Guide to
SSC CPO
Sub-Inspector SI
(CAPF/ Delhi Police/ CISF/ BSF/ ITBP)
Paper 1 & 2 Recruitment Exam
with Previous Year Questions

8th Edition

Covers:
- General Intelligence & Reasoning
- Quantitative Aptitude
- Data Interpretation
- English Comprehension
- General Awareness

DISHA™
Publication Inc

Guide to

SSC CPO

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SYLLABUS

SSC CPO Selection Process

exam has four different phases that candidates need to clear in order to get selected for various posts in Delhi Police, CAPFs, CISFs etc. SSC CPO Paper 1 is an Objective Multiple Choice Question paper. The paper-II exam is the English Comprehension Test, while PET/PST Test is conducted to check the endurance (medical and physical strength) of the candidate.

SSC CPO Exam Pattern		
Tier/Stages	**Type of Examination**	**Mode of examination**
Tier-I	Objective Multiple Choice	CBT (Online)
PET/PST	Running, Long Jump, High Jump and Short Put	Physical exam
Tier-II	Objective Multiple Choice	CBT (Online)
DME	Detailed Medical Examination	Offline

SSC CPO Exam Pattern

Candidates SSC CPO Exam Pattern for Paper 1, Paper 2 and parameters for PST & PET have been discussed here. Let's start with understanding the exam pattern of SSC CPO

SSC CPO Paper-1 Exam Pattern
1. There would be 200 Multiple Choice Questions in SSC CPO Paper 1
2. Each correct answer will score you 1 mark and for each incorrect answer, there would be a negative marking of 0.25 mark.
3. The duration of SSC CPO Paper 1 will be 2 hours (120 minutes).

SSC CPO Paper-1 Exam Pattern			
Subject	**No. of Questions**	**Maximum Marks**	**Duration**
General Intelligence & Reasoning	50	50	
General Knowledge	50	50	
Quantitative Aptitude	50	50	2 hours
English Comprehension	50	50	
Total	**200**	**200**	

SSC CPO Physical Standard Test (PST)

The candidates after qualifying in the SSC CPO Paper 1, have to appear for Physical Standard Test and Physical Efficiency Test. The details for SSC CPO PST and PET have been tabulated below.

SSC CPO PET/PST Test			
Category	**Height**	**Chest**	
		Unexpanded	**Expanded**
Male (Gen)	170	80	85
Belonging to Hilly regions & areas of J&K, North East & Sikkim	165	80	85
Scheduled Tribes	162.5	77	82
Female (Gen)	157	-	-
Belonging to Hilly regions & areas of J&K, North East & Sikkim	155	-	-
Scheduled Tribes	154	-	-

SSC CPO Physical Efficiency Test (PET)

Male Candidates

1. **100 metre race** in 16 seconds
2. **1.6 Km Race** in 6.5 minutes
3. **Long Jump:** 3.65 metres in 5 chances
4. **High Jump:** 1.2 metres in 3 chances
5. **Short put 16 LBS:** 4.5 metres in 3 chances

Female Candidates

1. **100 metre race in 18 second**
2. **800 metre race in 4 minutes**
3. **Long Jump: 2.7 metres or 9 feet in 3 chances**
4. **High Jump: 0.9 metres or 3 feet in 3 chances**

SSC CPO Paper 2 Exam Pattern

SSC CPO Paper-2 will be conducted after PET/PST Test for SSC CPO is conducted.

• The total time duration of the exam is of 120 minutes i.e. 2 hours.

• The total number of questions asked will be 200 MCQ and the maximum marks for Paper-2 will be 200

• The test will be of English Language and Comprehension conducted online.

• There will be a negative marking of 0.25 mark for each wrong answer.

SSC CPO Paper 2 Exam Pattern			
Subjects	**No. of Questions**	**Marks**	**Duration**
English Language and Comprehension	200	200	2 hours
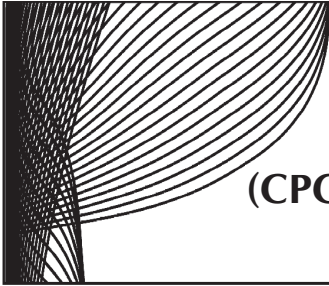
SSC Sub-Inspector

(CPO/CAPFs/Delhi Police) Solved Paper-2023 (Paper-1)

Held on 03-10-2023

Time : 2 Hours   **Max. Marks : 200**

GENERAL INTELLIGENCE AND REASONING

1. Select the option in which the given figure is embedded (rotation is NOT allowed)

   (a)   (b)

   (c)   (d)
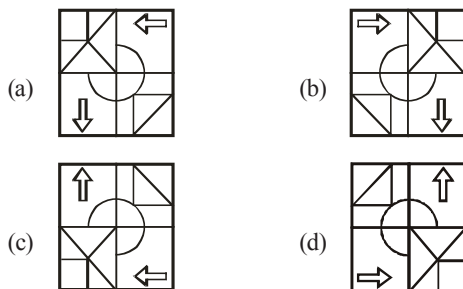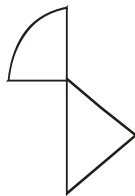
2. Which letter cluster will replace the question mark (?) to complete the given series?
   ELSV, FJVR, GHYN, ?, IDEF
   (a) HFJB   (b) HBJF
   (c) HFBJ   (d) GHFJ

3. Three of the following four letter - clusters are alike in a certain way and one is different. Pick the odd one out.
   (a) WVTD   (b) JIGQ
   (c) SRPH   (d) KLNP

4. Seven people, A, B, C, D, E, F and G are sitting in a straight row, facing north (not necessarily in the same order). Only 1 person sits to the left of D. A is an immediate neighbour of D. Only 2 people sit between F and D. Only 3 people sit between C and G. B is not an immediate neighbour of G. Only 2 people sit between E and A.
   Who sits at the extreme right end of the row?
   (a) A   (b) G
   (c) C   (d) B

5. In a certain code language, 'GAME' is coded as '8426' and 'MUST' is coded as '7853'. What is the code for 'M' in the given code language?
   (a) 8   (b) 2
   (c) 3   (d) 7

6. Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow (s) from the statements.
   Statements:
   All flowers are trees.
   All leaves are flowers.
   Conclusion:
   I) All trees are flowers.
   II) All leaves are trees.
   (a) Only Conclusion I follow
   (b) Neither Conclusion I nor II follows.
   (c) Only Conclusion II follows
   (d) Both Conclusions I and II follow.

7. Three different positions of the same dice are shown. Find the number on the face opposite the face showing '1'.
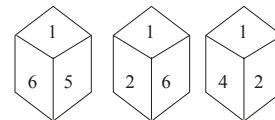
   (a) 3   (b) 2
   (c) 6   (d) 4

8. Select the correct mirror image of the given figure, when the mirror is placed at line MN as shown.

   (a)   (b)

   (c)   (d)
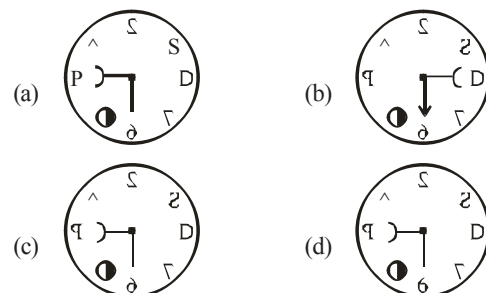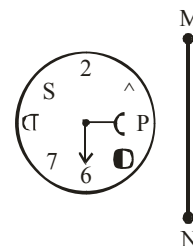
9. If '+' means '–', '–' means '×', '×' means '÷', '÷' means '+', then what will come in place of the questions mark (?) in the following equation?
    $137 \div 56 \times 7 - 6 + 31 = ?$
    (a) 149   (b) 163
    (c) 145   (d) 154

10. Select the option that represents the correct order of the given words as they would appear in an English dictionary?
    1. Lollipop   2. Loincloth
    3. Longways   4. Logician
    5. Lonely
    (a) 3, 2, 1, 5, 4   (b) 4, 3, 1, 5, 2
    (c) 4, 2, 1, 5, 3   (d) 3, 4, 1, 5, 2

11. Which of the following terms will replace the question mark (?) in the given series?
    ABEG FFHI KJKK PNNM ?
    (a) URQO   (b) VRQO
    (c) RUQO   (d) UROQ

12. Select the Venn diagram that best illustrates the relationship between the following classes.
    Electrical Appliance, Refrigerator, Freezer

    (a)   (b)

    (c)   (d)
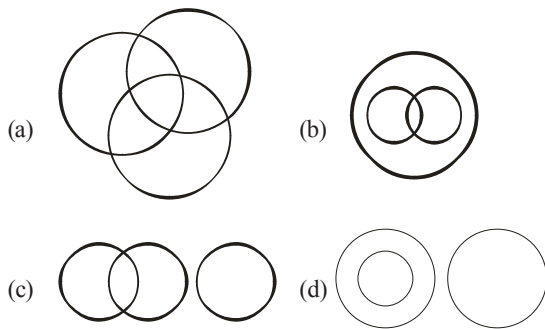
13. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
    $(7, 35, 42), (4, 20, 24)$
    (a) $(8, 56, 72)$
    (b) $(6, 36, 48)$
    (c) $(9, 45, 54)$
    (d) $(12, 60, 48)$

14. A person starts from point Z and moves 7 km towards the South. He turns right and moves 5 km, turns right, and moves 3km, then turns right and moves 1 km. He takes a left turn and moves 4 km to reach a point X. How much and in which direction does he need to move now to reach point Z?
    (a) 4 km South
    (b) 4 km East
    (c) 4 km West
    (d) 6 km East

15. Select the figure that will replace the question mark(?) in the following figure series.
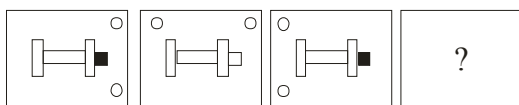
16. Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the one showing '1'.
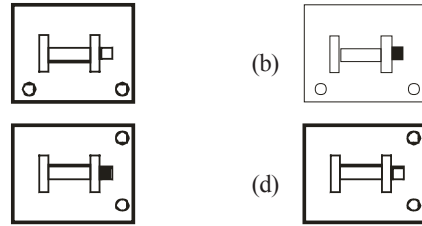
    (a) 6   (b) 4   (c) 5   (d) 3

17. Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow (s) from the statements.
    Statements:
   All plants are vegetables.
    Some plants are poisonous.
    Conclusions
    I.   All vegetables are poisonous.
    II. Some vegetables are plants.
    (a) Neither conclusion I nor II follows
    (b) Only conclusion I follows
    (c) Both conclusions I and II follow
    (d) Only conclusion II follows

18. Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.
    1. Desire   2. Destination
    3. Descend   4. Destructive
    5. Desolate   6. Desperate
    (a) 3, 1, 2, 6, 5, 4   (b) 3, 1, 6, 5, 2, 4
    (c) 3, 1, 5, 6, 2, 4   (d) 3, 1, 5, 6, 4, 2

19. Select the figure that will come next in the following figure series.
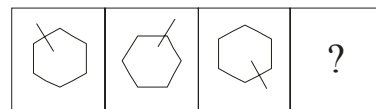
20. Three different positions of the same dice are shown. Find the number on the face opposite the face showing '4'.
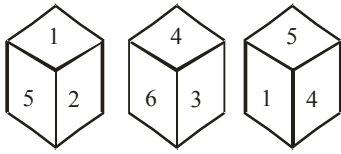
(a) 6   (b) 2   (c) 3   (d) 1

21. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
    (264, 462), (132, 330)
    (a) (211, 340)   (b) (188, 378)
    (c) (386, 584)   (d) (282, 496)

22. If A denotes '+', B denotes '×', C denotes '–', and D denotes '÷' then what will come in place of '?' in the following equation?
   2B ?D2 = 4B 32 D8
    (a) 12   (b) 30
    (c) 16   (d) 8

23. If '+' means '×','×' means '–' '–' means '÷' and '÷' means '+', then what will come in place of the (?) in the following equation?
    $250 – 10 + 10 \times 5 \div 2 = ?$
    (a) 247   (b) 167   (c) 320   (d) 234

24. Four letter - clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter - cluster.
    (a) WYRS   (b) PSJK
    (c) PRKL   (d) FHAB

25. In a certain code language, 'VATT' is coded as '65' and 'STOLK' is coded as '79'. How will 'GENEROUS' be coded in that language?
    (a) 116   (b) 216   (c) 204   (d) 106

26. Select the option that is embedded in the given figure as its part (rotation is NOT allowed).
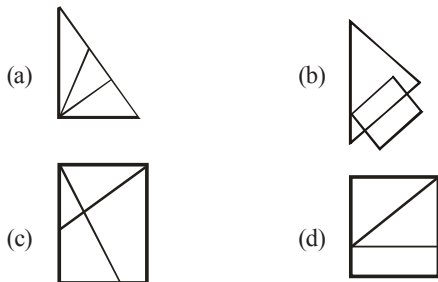
27. If '+' means '÷', '–' means '+', '×' means '–' and '÷' means '×', what will be the value of the following expression?
    $[\{(14 \times 6) - (4 \div 3)\} + (6 - 4)] \div 3$
    (a) 3   (b) 6
    (c) 1   (d) 9

28. Select the option that is related to the fifth letter - cluster in the same way as the second letter - cluster is related to the first letter - cluster and the fourth letter - cluster is related to the third letter - cluster.
    TEMPLE : SCJLGY :: CHURCH : BFRNXB : : MOSQUE : ?
    (a) LMPYPM   (b) LMPYMP
    (c) LPYMPM   (d) LMPMPY

29. In a certain code language, 'COURT' is coded as OCRTR and 'JUDGE' is coded as UJAEG. How will 'ORDER' be coded in the same langauge?
    (a) LDRRE   (b) ROARE
    (c) REARO   (d) ROBRE

30. Which of the following numbers will replace the question mark (?) in the given series?
    115, 130, 122, 137, 129, ?
    (a) 144   (b) 142
    (c) 148   (d) 150

31. Select the correct mirror image of the given figure when the mirror is placed at line MN as shown.
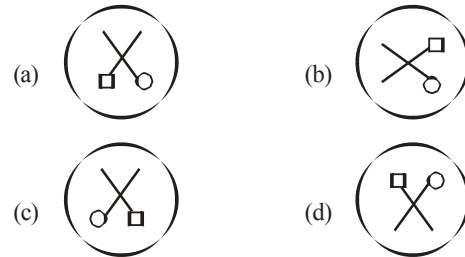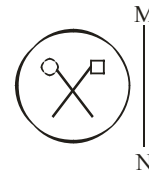
32. In a certain code language, 'FLORA' is written as 'WQOLC' and 'MONEY' is written as 'PNPYE'. How will 'GOING' be written in that language?
    (a) VNUPW   (b) RMWEH
    (c) VBUDP   (d) RHKSR

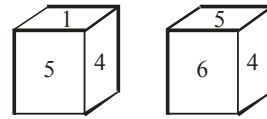33. Select the set in which the numbers are related in the same way as are the numbers of the following set.
    (6, 2, 96)
    (5, 6, 240)
    (a) (4, 1, 6)
    (b) (12, 3, 45)
    (c) (1, 2, 16)
    (d) (8, 3, 28)

34. Study the given pattern carefully and select the number that can replace the question mark (?) in it.
    First row: 19, 6, 37
    Second row : 21, 8, 45
    Third row: 72, 14, ?
    (a) 124   (b) 134
    (c) 114   (d) 144

35. If A denotes '+', B denotes '×', C denotes '–', and D denotes '÷' then what will be the value of the following expression?

    39 D 13 B 2 C 6 A 8

    (a) 10
    (b) 8
    (c) 12
    (d) 9

36. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

    (7, 91, 98)
    (4, 52, 56)

    (a) (12, 156, 168)
    (b) (3, 36, 42)
    (c) (8, 80, 96)
    (d) (5, 25, 60)

37. If A denotes '+', B denotes '×', C denotes '–', and D denotes '÷' then what will be the value of the following equation?

    96 D 3 B 8 C 25 A 14 = ?

    (a) 217
    (b) 234
    (c) 254
    (d) 245

38. If A denotes '+', B denotes '×', C denotes '–', and D denotes '÷', then what will come in place of '?' in the following equation?

    7 A 3 B 24 D 2 = 20 B ? A 3

    (a) 2
    (b) 20
    (c) 14
    (d) 7

39. Which of the following numbers will replace the question mark (?) in the given series?

    35, ?, 40, 47, 45, 53

    (a) 37
    (b) 43
    (c) 42
    (d) 41

40. If the given sheet is folded to form to a cube, which of the given figures is /are possible?
    (The elements are shown to indicate the sides only.)
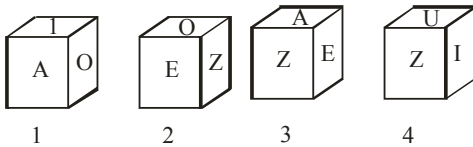
    (a) Only 1 and 2
    (b) Only 1, 2 and 4
    (c) Only 2 and 3
    (d) Only 3

41. Which figure from the given options would replace the question mark (?) if the following figure series were to be continued?
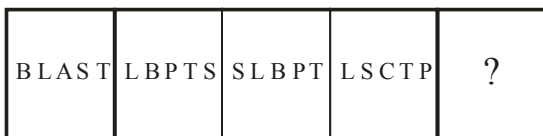
42. Which of the following numbers will replace the question mark (?) in the given series?

    –1 /729, –1/81, –1/9, ?

    (a) 1
    (b) – 1
    (c) – 1/3
    (d) 1/3

43. Which letter - cluster will replace the question mark (?) to complete the given series?

    MKPN, LMOP, ?, JQMT, ISLV

    (a) KOLT
    (b) KNNQ
    (c) KNMR
    (d) KONR

44. Select the options that is related to the third word in the same way as the second word is related to the first word.

    Butterfly : Caterpillar : : Insect : ?

    (a) Cygnet
    (b) Nymph
    (c) Larva
    (d) Microbes

45. Six friends are sitting in a circle. All of them are facing the centre. Kanak sits third to the right of Sona. Kapil is an immediate neighbour of Mani. Goldy sits second to the right of Mani. Sona is an immediate neighbour of Kapil and Suresh.
    Who sits to the immediate right of Goldy?

    (a) Sona
    (b) Kapil
    (c) Kanak
    (d) Suresh

46. L is the wife of Q. P is the mother of M. J is the father of L. M is the sister of H. J is the husband of H. How is P related to L?

    (a) Mother's mother
    (b) Sister's son
    (c) Mother's sister
    (d) Sister's husband

47. 'A = B' means 'A is the father of B'.
    'A $ B' means 'A is the sister of B'.
    'A * B' means 'A is the mother of B'.
    'A ? B' means 'A is the son of B'.
    If M ? C $ J * Z, then how is J related to M?

    (a) Sister
    (b) Mother's sister
    (c) Mother's mother
    (d) Brother

48. Rohit drives 3 km towards north from point A. He takes a left turn and drives 4 km. Again he takes a left turn and drives 6 km. Finally, he takes a left turn and drives 4 km to reach point B. How far and towards which direction should he drive in order to reach point A again?

    (a) 4 km towards south
    (b) 3 km towards east
    (c) 3 km towards north
    (d) 2 km towards west

49. In a certain code language, 'FRIEND' is written as 'IIFDME' and 'DEMAND' is written as 'MVDDMA'. How will 'GROUND' be written in that language?

    (a) DOTENC
    (b) PXKRYS
    (c) OIGDMU
    (d) OFTSBU

50. Select the Venn diagram that best illustrates the relationship between the following classes.
    Pencil, Eraser, Sharpener
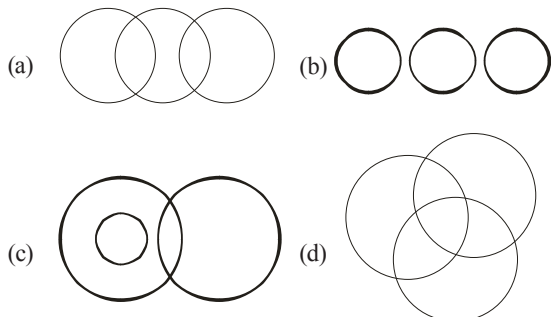
GENERAL AWARENESS

51. Which of the following does NOT belong to the family of organic compounds?
    (a) Ammonia (b) Nonane
    (c) Furan (d) Decane

52. In November 2020, _____ has set a record of becoming the world's fastest piano player ever.
    (a) Lydian Nadhaswaram (b) Anisrinivasan
    (c) Gauri Mishra (d) Shikha Chaurasia

53. For Kharif crops, the temperature required for farming is above 25 degrees Celsius with high humidity and annual rainfall above _____ cm.
    (a) 16 (b) 100
    (c) 35 (d) 50

54. Bhutia dance is performed in which of the following states?
    (a) West Bengal (b) Odisha
    (c) Sikkim (d) Nagaland

55. With which neighbouring country did India sign the Farakka Treaty in 1996 for sharing of the Ganga Waters and on augmenting its flows?
    (a) Bhutan (b) Bangladesh
    (c) Nepal (d) Afghanistan

56. Which ruler of the Chahamana dynasty made Ajmer his capital?
    (a) Ajayaraja (b) Prithviraj II
    (c) Arnoraj (d) Prithviraj III

57. How many Members of Parliament were elected from Punjab to the 17th Lok Sabha?
    (a) 14 (b) 15
    (c) 13 (d) 17

58. In India, which of the following regulatory mechanism was NOT in existence to enforce regulation of the industrial sector?
    (a) Industrial licensing under which every entrepreneur had to get permission from government officials to start a firm, close a firm or decide the amount of goods that could be produced.
    (b) Controls on price fixation and distribution of selected industrial products.
    (c) Private sector was allowed in all industries.
    (d) Some goods could be produced only in small - scale industries.

59. Who among the following Indian authors has written the autobiography titled 'My Story'?
    (a) Arundhati Roy (b) Shobha Dey
    (c) Kiran Desai (d) Kamala Das

60. Methyl ethyl ketone is also known as:
    (a) 2 - butanone (b) propanone
    (c) methyl pentanone (d) 2 - butanol

61. Which of the following statements is NOT correct about fundamental duties in the Indian Constitution?
    (a) They are made to value and preserve the rich heritage of our composite culture.
    (b) They are made to cherish and follow the noble ideals which inspired our national struggle for freedom.
    (c) They are made to develop the scientific temper, humanism and the spirit of inquiry are reform.
    (d) They are made justiciable in nature.

62. Who was the first chairman of Finance Commission of India?
    (a) Ashok Kumar Chanda (b) KC Neogy
    (c) K Santhanam (d) PV Rajamannar

63. The first Common wealth Games were organised in which of the following years?
    (a) 1920 (b) 1930
    (c) 1922 (d) 1926

64. Continental Shelf which is the shallowest part of the ocean has an average gradient of:
    (a) 8° or even less (b) 1° or even less
    (c) 5° or even less (d) 2° or even less

65. Dhruvasena II is related to which of the following ruling dynasties?
    (a) Vakataka (b) Pushyabhuti
    (c) Maitraka (d) Maukhari

66. Under which of the following Acts was the National Commission for Women established?
    (a) The National Commission for Women Act, 1989
    (b) The National Commission for Women Act, 1987
    (c) The National Commission for Women Act, 1990
    (d) The National Commission for Women Act, 1988

67. Identify the position of stomata in plants.
    (a) Tip of stem (b) Inside the roots
    (c) Inside the flower (d) Surface of leaves

68. Who among the following has given extraordinary powers during an emergency?
    (a) Prime Minister (b) The Chief Justice
    (c) The President (d) The Governor

69. In India all loans that are below _____ are considered as micro loans.
    (a) one lakh rupees (b) two lakh rupees
    (c) four lakh rupees (d) three lakh rupees

70. Identify whether the given statements about p - block elements are correct or incorrect.
    Statement A : In p - block elements, the last electron enters the outermost p orbital.
    Statement B : The non - metals and metalloids exist only in the p - block of the periodic table.
    (a) Both Statements A and B are correct
    (b) Only Statement A is correct
    (c) Both Statement A and B are incorrect
    (d) Only Statement B is correct.

71. Vallabhbhai Patel and _____ helped Gandhi in Kheda by organising his tour of the villages and urging the peasants to stand firm against the government.
    (a) Jamunalal Bajaj   (b) Mohammad Ali Jinnah
    (c) Motilal Nehru   (d) Indulal Yajnik

72. The deliberations of the representatives at the Third Round Table Conference was held during the later months of which year?
    (a) 1932   (b) 1929
    (c) 1930   (d) 1931

73. Which part of the Indian Constitution deals with fundamental rights?
    (a) Part III   (b) Part II
    (c) Part V   (d) Part IV

74. At normal temperature and atmospheric pressure, _____ has a density of 1.87 kg/m^3 which is 1.5 times heavier than air and exists as a liquid below the critical temperature of 31°C.
    (a) carbon dioxide   (b) nitrogen
    (c) hydrogen   (d) lithium

75. Sao Joao festival is celebrated primarily by the Catholic Christians in which of the following Indian states?
    (a) Assam   (b) Goa
    (c) Manipur   (d) Nagaland

76. According to the Global Hunger Index 2022, which neighbouring country is only behind India with a rank of 109 out of 121 countries?
    (a) Bangladesh   (b) Afghanistan
    (c) Nepal   (d) Pakistan

77. Which of the following was established by Jyotirao Govindrao Phule in 1873 to fight against idolatry and casts system?
    (a) Shree Narayan Guru Dharma Paripalana (SNDP) Movement
    (b) Satyashodhak Samaj
    (c) Young Bengal Movement
    (d) Arya Samaj

78. Who is the first Indian to participate in a Super Heavyweight Boxing event in the 2020 Olympic Games?
    (a) Satish Kumar   (b) Manish Harshit
    (c) Sakshi Chaudhary   (d) Amit Panghal

79. Prithviraj Raso, an epic poem about the life of the 12th century Indian king, Prithviraj Chauhan, was written by:
    (a) Banabhatta
    (b) Ashvaghosa
    (c) Bharavi
    (d) Chand Bardai

80. Which is the most widely accepted model to explain the formation and evaluation of the solar system?
    (a) Nebular hypothesis   (b) Gas hypothesis
    (c) Solar hypothesis   (d) Cloud hypothesis

81. How many controls are there globally that influence of the climate of a particular zone?
    (a) 8   (b) 6
    (c) 3   (d) 5

82. Moatsu festival of Nagaland is celebrated by which of the following tribes?
    (a) Bhil tribe   (b) Ao tribe
    (c) Munda tribe   (d) Bodo tribe

83. Which of the following is considered as a good indicator of economic growth?
    (a) Steady increase in loan
    (b) Steady increase in international trade
    (c) Steady increases in population
    (d) Steady increase in the GDP

84. What is the full form of PPLO with respect to bacteria?
    (a) Pleuro Pneumonia Like Organisms
    (b) Pleuro Platelet Like Organisms
    (c) Platelet Prone Like Organisms
    (d) Pneumonia Platelet Like Organisms

85. Which of the following algae is also called kelp and found in the deep sea?
    (a) Chlamydomona   (b) Fucus
    (c) Laminaria   (d) Nostoc

86. Atal Tunnel connects which two places?
    (a) Manali and Lahaul - Spiti valley
    (b) Shimla and Nainital
    (c) Shimla and Mansoori
    (d) Manali and Nainital

87. Priorities of the government in the fiscal area and its related policies and deviations are mentioned in which part of the budget document?
    (a) Fiscal Policy Strategy Statement
    (b) Appropriation Bill
    (c) Macroeconomic Framework Statement
    (d) Medium - term Fiscal Policy Statement

88. The structural that produces and holds sperm cells in bryophytes (non - vascular plants) and ferns is called:
    (a) megasporangia   (b) archegonium
    (c) antheridium   (d) protonema

89. Shore temple of Mamallapuram was built by:
    (a) Pallavas   (b) Chalukayas
    (c) Nagas   (d) Cholas

90. Dr. Teejan Bai, a Padma Bhushan and Padma Vibhushan awardee is globally recognised for her contribution to which of the following art forms?
    (a) Gendi
    (b) Pandavani
    (c) Raut Nacha
    (d) Jhirliti

91. In how many phases did the Indian Economy experience the success of the Green Revolution?
    (a) Two   (b) Three
    (c) Five   (d) Four

92. Which of the following statement is correct regarding climate of Indian subcontinent?
    A. The climate of North India remains similar throughout the year
    B. The Himalayas protect the subcontinent from extremely cold winds from central Asia.
    (a) Only statements B is correct
    (b) Both statements A and B incorrect.
    (c) Only statement A is correct
    (d) Both statements A and B correct

93. In a volleyball game, each team comprise of how many players?
    (a) 5   (b) 6
    (c) 8   (d) 7

94. What is Kalbaisakhi?
    (a) Pre monsoon showers and thunderstorms
    (b) Cold waves and rains
    (c) Snowfall and hail
    (d) Heatwaves and loo
95. Which of the following books is an autobiography of the former American president Bill Clinton?
    (a) Becoming
    (b) My Life
    (c) Long Walk to Freedom
    (d) My Country My Life
96. Tansen, the famous musician, often sang in the court of which ruler?
    (a) Sher Shah Suri
    (b) Akbar
    (c) Feroz Shah Tughlaq
    (d) Allaudin Khilji
97. Who among the following founded the Kalakshetra Foundation in Chennai that is an important centre for the study and performance of fine arts?
    (a) Rukmini Devi Arundale
    (b) Yamini Krishanmurthy
    (c) Mrinalini Sarabhai
    (d) Alarmel Valli
98. Which German chemist was the first to show a graphical representation of the periodicity of an atomic volume plotted against atomic weight?
    (a) Lothar Meyer
    (b) John Newlands
    (c) William Ramsay
    (d) Glenn T Seaborg
99. Which of the following is NOT an Equestrian discipline?
    (a) Dressage
    (b) Sprint
    (c) Show jumping
    (d) Vaulting
100. The Guru Kelucharan Mohapatra Yuva Pratibha Samman 2021 was presented to Arushi Mudgal for _____ dance.
    (a) Mohiniyattam
    (b) Odissi
    (c) Kuchipudi
    (d) Kathak

QUANTITATIVE APTITUDE

101. The radii of two cylinders are in the ratio of 4 : 5 and their heights are in the ratio of 5:2. The ratio of their volume is:
    (a) 9 : 4
    (b) 2 : 1
    (c) 9 : 7
    (d) 8 : 5
102. A person crosses a 900 - metre long street in 6 minutes. The speed of the person, in km / h, is:
    (a) 10
    (b) 9
    (c) 5
    (d) 8
103. If 3 goats or 5 sheep can graze a field in 54 days, then in how many days can 6 goats and 8 sheep graze the same field?
    (a) 15
    (b) 12
    (c) 10
    (d) 8
104. An item with a marked price of ₹ 3,800 was sold for ₹3,496, after a discount of y% was offered. What was the value of y?
    (a) 7.5%
    (b) 8.5%
    (c) 8%
    (d) 7%
105. A dishonest dealer announces selling his articles with 22% loss, but uses 35% lighter weights. What is the percentage of his profit or loss?
    (a) 20% loss
    (b) 13% profit
    (c) 13% loss
    (d) 20% profit

106. The following table represents the population of four different areas and the percentage of males, females and children among them.

Area	Population	Males	Females	Children
P	10,000	40%	40%	20%
Q	20,000	30%	40%	30%
R	16,000	50%	30%	20%
S	18,000	45%	35%	20%

What is the total number of children in areas P and Q together?
    (a) 7000
    (b) 9000
    (c) 6000
    (d) 8000
107. If θ is an acute angle and $\sin\theta + \csc\theta = 2$, then the value of $\sin^5\theta + \csc^5\theta$ is:
    (a) 10
    (b) 2
    (c) 4
    (d) 5
108. What is the central angle corresponding to the expenditure spent on Education in the given figure?

Amount spent on different expenditures

5425 5250 4206 6125 6485 7525

Health
Clothing
Traveling
Food
Rent
Education
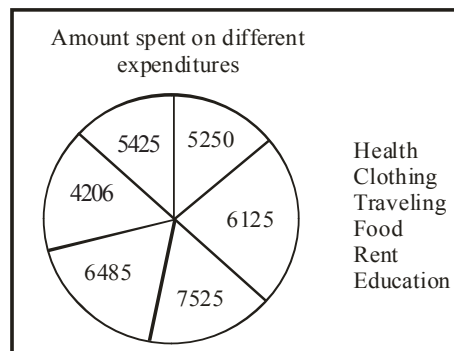
    (a) 55.8°
    (b) 55.2°
    (c) 52°
    (d) 42°

109. Evaluate $\dfrac{0.04}{0.05}$ of $\dfrac{\left(3\frac{1}{3} - 2\frac{1}{2}\right) \div \frac{1}{2} \text{ of } 1\frac{1}{4}}{\frac{1}{3} + \frac{1}{5} \text{ of } \frac{1}{9}}$
    (a) 0.3
    (b) 5
    (c) 3
    (d) 0.03
110. If $\tan A = \dfrac{4}{3}$, $0 \le A \le 90°$, then find the value of $\sin A$.
    (a) $\dfrac{3}{5}$
    (b) 1
    (c) $\dfrac{3}{4}$
    (d) $\dfrac{4}{5}$
111. Find the LCM of 15, 24, 35 and 54.
    (a) 5670
    (b) 7560
    (c) 7650
    (d) 6570
112. Study the given data and answer the question that follows. The data shows the number of candidates (in thousand) appearing for Civil Service (CS) and Engineering Service (ES) Examinations in the year 2020, 2021, 2022 in USA

Year	Civil Service		Engineering Service	
	Total No. of Candidates Appeared	Graduates out of the total candidates appeared (in %)	Total No. of Candidates Appeared	Graduates out of the total candidates appeared (in %)
2020	75	60	89	57
2021	110	64	118	65
2022	120	80	135	78

What is total number of graduates who appeared for both CS and ES together in the year 2022?
- (a) 2,01,000
- (b) 2,01,100
- (c) 2,01,300
- (d) 2,01,200

113. Let the speed of the boat in still water be 17 km/h and let the speed of the stream be 5 k/h. What is the time taken by the boat to go 110 km downstream?
- (a) 4.5 hours
- (b) 6 hours
- (c) 5.5 hours
- (d) 5 hours

114. A number is first increased by 10% and then increased by 20%. The number, so obtained, is now decreased by 12%. What is the net increase or decrease per cent in the original number?
- (a) 16.16% increase
- (b) 14.14% decrease
- (c) 11.11% decrease
- (d) 12.12% increase

115. Study the given carefully and answer the question that follows.
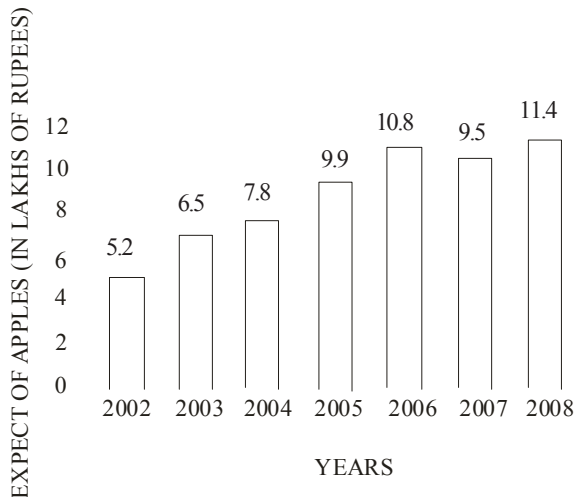
In which year was there maximum percentage increase in the export of apples to that of the previous years?
- (a) 2003
- (b) 2005
- (c) 2006
- (d) 2008

116. The following data gives a year - wise outlay (in lakhs of rupees) in a certain 4- years plan (2018 - 2022) of a state.

Year	Health	Housing	Transport	Education
2018-2019	6200	6500	7100	8000
2019-2020	7000	6600	7200	8100
2020-2021	7300	6800	7400	8200
2021-2022	7400	7000	7500	8400

What was the percentage increase during 2020-2021 over 2018-2019 in Education outlay?
- (a) 2.8%
- (b) 3.2%
- (c) 2.0%
- (d) 2.5%

117. The first shirt is sold at twice the selling price of the second shirt. The first shirt is sold at 8% profit and the second shirt is sold at a 3% loss. What is the overall percentage profit on the shirts (Rounded off to two decimal place)?
- (a) 4.86%
- (b) 4.07%
- (c) 4.60%
- (d) 3.86%

118. The areas of the two triangles are in the ratio 4 : 3 and their height are in the ratio 6 : 5. Find the ratio of their bases.
- (a) 5 : 6
- (b) 10 : 9
- (c) 6 : 5
- (d) 9 : 10

119. The largest number of four digits that is exactly divisible by 17 and 36 is:
- (a) 7956
- (b) 9180
- (c) 9792
- (d) 8568

120. PQR is an equilateral triangle inscribed in a cycle. S in any point on the arc QR. Measure of $\frac{1}{2} \angle PSQ$ is:
- (a) 20°
- (b) 15°
- (c) 30°
- (d) 60°

121. If $\frac{x}{y} + \frac{y}{x} = 1$ and $x + y = 2$, then the value of $x^3 + y^3$ is:
- (a) 1
- (b) 3
- (c) 0
- (d) 2

122. If the height of a cone is 7 cm and the diameter of the circular base is 12 cm, then its volume is (nearest to integer):
- (a) 254 cm^3
- (b) 284 cm^3
- (c) 264 cm^3
- (d) 274 cm^3

123. A, B and C can do a piece of work in 20 days, 30 days and 60 days respectively. If A works daily and on every third day B and C also work with A, then in how many days, will the work be completed?
- (a) 21
- (b) 18
- (c) 12
- (d) 15

124. Darjeeling gets tourists from two countries A and B. Percentage wise distribution of the influx of tourists is given below for the first six months of the year.

Total number of tourists = 60000	
Month	**Ratio (A : B)**
Jan	5 : 7
Feb	6 : 7
Mar	3 : 2
April	8 : 7
May	4 : 5
June	3 : 4
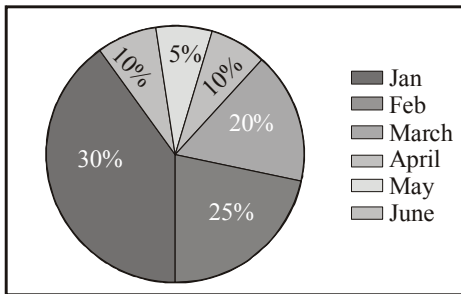
Find the ratio of tourists from country A coming in during March and April.
- (a) 4 : 7
- (b) 3 : 7
- (c) 7 : 10
- (d) 9 : 10

125. The value of $11 \times 11 + 11 \div 11 - 11 \times 11 + 11 + 11 \times 11 - 11 - 11 \times 11$ is:
- (a) 1
- (b) 11
- (c) 121
- (d) 0

126. A man spends 72% of his salary and saves ₹ 5,740 per month. What is 10% of his annual salary (in ₹)?
- (a) ₹ 21600
- (b) ₹ 24600
- (c) ₹ 20500
- (d) ₹ 28400

127. The population of a city is 3, 52,314. It increases annually at the rate of 15% per annum. What was its population 2 years ago?
- (a) 3,02,400
- (b) 3,06,360
- (c) 2,66,400
- (d) 2,56,400

128. A tourist van travels the distance of 35 km from Dehradun to Mussoorie at an average speed of 36 km/h and returns at 60 km/h. What is the approximate average speed (in km/h) of the tourist van for the entire journey?
- (a) 48
- (b) 42
- (c) 45
- (d) 50

129. The HCF and the LCM of two numbers are 5 and 175, respectively. If the ratio of the two numbers is 5 : 7, the larger of the two numbers is _____.
- (a) 35
- (b) 25
- (c) 45
- (d) 75

130. The product of two numbers is 726 and their HCF is 11, then their LCM is:
- (a) 58
- (b) 68
- (c) 66
- (d) 76

131. If a truck moves at a constant speed of 30 km/h for 1 kilometre and 45 km/h for the next 1 kilometre. What is the average speed of the truck?
- (a) 32 km/h
- (b) 36 km/h
- (c) 38 km/h
- (d) 34 km/h

132. P, Q and R, when working individually, can complete a job in, respectively, 36 days, 48 days and 144 days. P, Q and R start working together. P leaves the job 12 days before completion and Q leaves the job 8 days before completion. R works from the beginning till the end of the job. Determine the total number of days taken to complete the job.
- (a) 24
- (b) 27
- (c) 30
- (d) 25

133. If $a + b = 10$ and $ab = 6$, then the value of $a^3 + b^3$ is:
- (a) 800
- (b) 820
- (c) 860
- (d) 840

134. If $\cos \theta - \sin\theta = \sqrt{2} \sin\theta$, then $(\cos \theta + \sin \theta)$ is:
- (a) $-\sqrt{2} \cos\theta$
- (b) $\sqrt{2} \cos\theta$
- (c) $\sqrt{2} \tan\theta$
- (d) $-\sqrt{2} \sin\theta$

135. The sides of a triangle are in the ratio 5 : 12 : 13 and its perimeter is 90 cm. Find its area (in cm^2).
- (a) 150
- (b) 270
- (c) 30
- (d) 60

136. The given pie - chart shows the distribution of the marks scored by Ram in five different subjects (in percentage).
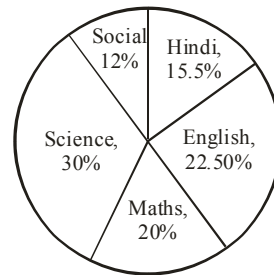
What is the ratio of the central angle of Maths to the central angle of Science?
- (a) 5 : 2
- (b) 2 : 3
- (c) 4 : 3
- (d) 3 : 5

137. Study the given data and answer the question that follows. The table shows the number of candidate (in lakh) appearing in a entrance exam from four different cities and the ratio of candidates passing and failing in the same.

City	A	B	C	D
Number of candidates	2.15	1.14	1.56	2.34

Ratio of candidates passing and failing within the city.

City	Passing	Failing
A	4	2
B	5	3
C	6	4
D	4	6

What is the number of failed candidates (in lakh) in city D?
(a) 1.70
(b) 1.25
(c) 1.85
(d) 1.41

138. Two circles of radius 13 cm and 15 cm intersect each other at point A and B. If the length of the common chord is 12 cm, then What is the distance between their centres?

(a) $\sqrt{145} + \sqrt{184}$
(b) $\sqrt{131} + \sqrt{181}$
(c) $\sqrt{145} + \sqrt{169}$
(d) $\sqrt{133} + \sqrt{189}$

139. Study the given bar - graph and answer the question that follows.

The bar - graph shows the higher secondary students of a school for the years 2008, 2009 and 2010.

	1st division	2nd division	3rd division	Fail
■ 2008	20	60	60	30
▨ 2009	30	60	50	50
☐ 2010	40	60	70	30
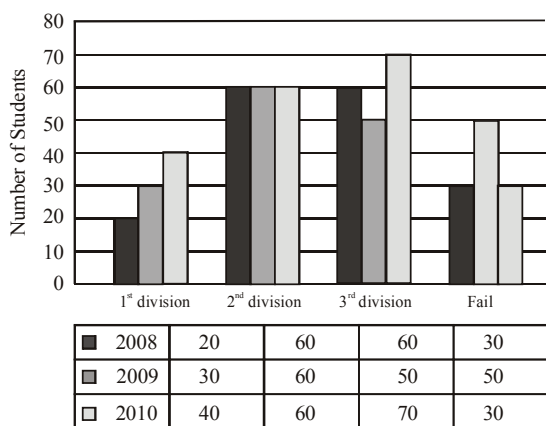
The percentage of students who passed in the second division in the year 2010 was:
(a) 25%
(b) 28%
(c) 30%
(d) 32%

140. Two numbers are in the ratio 5 : 3 and the difference between these two numbers is 34. Find the smaller of the two numbers.
(a) 51
(b) 85
(c) 68
(d) 34

141. The radii of the ends of a frustum of a solid right - circular cone 45 cm hight are 28 cm and 7 cm. If this frustum is melted and reconstructed into a solid right circular cylinder whose radius of base and height are in the ratio 3 : 5, find the curved surface area (in cm^2) of this cylinder.

[Use $\pi = \dfrac{22}{7}$.]

(a) 4580
(b) 4610
(c) 4640
(d) 4620

142. A man runs for 40 km. The time taken by him in the first 10 km is twice the time taken by him in the second 10 km. The time taken in the third 10 km is half of the time taken in the fourth 10 km, and the time taken in the fourth 10 km is equal to the time taken in the first 10 km. If his speed in the first 10 km is 40 km/h, then what is the average speed for 40 km?

(a) 50km/h
(b) $\dfrac{70}{3}$ km / h
(c) $\dfrac{160}{3}$ km / h
(d) 40 km/h

143. Find the value of $(\tan^2 \theta + \tan^4\theta)$.
(a) $\cot^2 \theta - \tan^2 \theta$
(b) $\sec^4 \theta - \sec^2\theta$
(c) $\sec^2\theta - \sec^4 \theta$
(d) $\sec^4\theta + \sec^2\theta$

144. If the hypotenuse of a right - angled triangle is 29 cm and the sum of the other two sides is 41 cm, then the difference between the other two sides is:
(a) 5 cm
(b) 1 cm
(c) 2 cm
(d) 10 cm

145. Two numbers are in the ratio 3 : 4. The product of their HCF and LCM is 2700. The sum of the numbers is :
(a) 60
(b) 105
(c) 15
(d) 45

146. Rajesh invested ₹ 10,000 by dividing it into two different investment schemes, A and B, at simple interest rates of 8% and 10%, respectively. If the total interest earned in 2 years is ₹ 1, 680 the amount invested in scheme A is:
(a) ₹ 8,000
(b) ₹ 2,000
(c) ₹ ,000
(d) ₹ 4,000

147. If 42, 36 and 35 are the first three terms of a proportion, then the fourth term is:
(a) 27
(b) 28
(c) 30
(d) 32

148. If the price item is increased by 70% and then allows a scheme discount of 5% and 20% on this marked price. If price is paid in cash and additional discount of 20% is allowed then what is his gain percentage?
(a) 2.25%
(b) 4.36%
(c) 3.25%
(d) 3.36%

149. Jonathan had borrowed a sum of money 3 years ago at 10% interest per annum compounded annually for a 5 - year period, with the amount to be paid at the end of the period being ₹ 1,61,051. However, there is no pre - payment penalty and Jonathan has received some bonus payment now, with which he has decided to clear his debt. How much does Jonathan have to pay now to clear his debt?

(a) ₹ 1,33,000
(b) ₹ 1,32,900
(c) ₹ 1,33,100
(d) ₹ 1,33,200

150. What is the area of a triangle whose sides are of lengths 12cm, 13 cm and 5 cm?
(a) 30cm²
(b) 15 cm²
(c) 40 cm²
(d) 70cm²2

ENGLISH COMPREHENSION

151. Select the INCORRECTLY spelt word.
(a) Interrogate
(b) Alienate
(c) Deserve
(d) Assasinate

152. Select the most appropriate meaning of the given idiom.
Bend over backwards
(a) Working hard to try to impress.
(b) Working slowly and lazily
(c) Going backward
(d) Using wrongful means

153. Select the INCORRECTLY spelt word from the underlined words in the following sentence.

This was a <u>blatent</u> <u>disregard</u> to the <u>advisory.</u> by the host against it and in <u>violation</u> of norms of the meeting.

(a) advisory   (b) blatent

(c) disregard   (d) violation

154. Parts of the following sentence have been given as options. Select the option that contains an error.

The dancers swayed dainty on the stage last night.

(a) last night   (b) on the stage

(c) The dancers   (d) swayed dainty

155. Select the most appropriate one - word substitution of the given group of words.

A notice of the death of a person, often with a biographical sketch, as in a newspaper.

(a) Obituary   (b) Oblivion

(c) Elegy   (d) Advertisement

156. Select the INCORRECTLY spelt word.

(a) Adjacent   (b) Accomplish

(c) Agregate   (d) Allure

157. Select the most appropriate idiomatic expression that can substitute the underlined segment in the given sentence.

Both Nitin and Uday are <u>of the same interests.</u>

(a) under the weather

(b) birds of the same feather

(c) blowing smoke without fire

(d) different kettles of fish

158. Select the most appropriate ANTONYM of the word 'moving' in the given sentence and choose the correct option.

The old grandfather clock chimed loudly, marking the passage of time with its steady tick - tock.

(a) Steady   (b) Marking

(c) Chimed   (d) Passage

159. Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. Her paintings are way better <u>then</u> her sketches.

(a) off

(b) than

(c) more

(d) No substitution required

160. Select the most appropriate meaning of the underlined idiom in the given sentence.

I hate to <u>get off on the wrong foot.</u>

(a) To start something with positive factors

(b) To start something with neutral factors

(c) To start a relationship or activity badly

(d) To start something with an injury on the wrong foot

161. Select the most appropriate phrasal verb to fill in the blank.

Arunima _____ a lot during her vacation time.

(a) gets on   (b) gets after

(c) gets about   (d) gets along

162. Select the most appropriate meaning of the given idiom.

The best of both worlds

(a) Good things come after bad things

(b) An ideal situation

(c) Better to show than tell

(d) Make people comfortable

163. Select the option that can be used as a one - word substitute for the underlined group of words.

How did you become interest in learning <u>the art of producing beautiful handwriting?</u>

(a) Lexicography   (b) Demography

(c) Calligraphy   (d) Graphology

164. Select the most appropriate synonyms of the given word.

Haphazard

(a) Random   (b) Sociable

(c) Aggressive   (d) Confident

165. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

We feed the horse oats for a week because it had eaten all the hay.

(a) No error   (b) it had eaten all the hay

(c) We feed the horse oats   (d) for a week because

166. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

They will not attend / the event/ as they're going / away at end of April.

(a) away at end of April   (b) as they're going

(c) the event   (d) They will not attend

167. Select the option that can be used as a one - word substitute for the underlined group of words.

Ms. Scarlet was <u>indifferent to pain and pleasure,</u> she never complained.

(a) Hypocrite   (b) Stoic

(c) Versatile   (d) Amateur

168. You are preparing a speech for the upcoming function, Select a synonym for the highlighted word to make it better.

Despite the advancement in technology many rural areas in developing countries still lack access to basic necessities.

(a) Desist   (b) Disguise

(c) Avenue   (d) Apathy

169. Select the most appropriate meaning of the underlined idiom.

Students often <u>burn the midnight oil</u> to qualify for competitive examinations.

(a) put the things on fire at night.

(b) want to be at a place full of light

(c) work until late at night

(d) sleep well

170. Select the most appropriate meaning of the underlined idiom.

More people in Turkey are <u>on the breadline</u> now than thirty years ago.

(a) Be very poor   (b) Are well expensive

(c) Be very expensive   (d) Earn a lot of money

171. Select the most appropriate synonym of the given word.
     Justifiable
     (a) Indefensible   (b) Neutral
     (c) Maintainable   (c) Reasonable

172. Select the most appropriate meaning of the given idiom.
     Left out in the cold
     (a) To serve stale and cold food
     (b) To leave in hurry
     (c) To bear extreme weather condition
     (d) To be ignored

173. Select the option that can be used as a one-word substitute
     for the given group of words.
     Fear of water
     (a) Hydrophobia   (b) Bibliophobia
     (c) Microphobia   (d) Botanophobia

174. Select the option that can substitute the bracketed word
     segment correctly and complete the following sentence
     meaningfully.
     Lots of kids (was visualised) crossing the road when the
     bus arrived.
     (a) were seen   (b) have been seen
     (c) are seen   (d) was seen

175. Select the most appropriate synonym of the given word.
     Dreadful
     (a) Feeble   (b) Terrible
     (c) Auspicious   (d) Propitious

176. Select the most appropriate meaning of the underlined idiom.
     We dodged a bullet when we didn't fall for the agents'
     words.
     (a) To give something a try
     (b) To narrowly avoid situation
     (c) To be out of your comfort zone
     (d) To start performing better

177. Select the word which means the same as the group of
     words underlined in the given sentence.
     The pandemic deeply affected small business owners, as
     they have no means of livelihood left.
     (a) Pauper   (b) Worker
     (c) Unemployed   (d) Mason

178. Select the option that will improve the underlined part of
     the given sentence.
     The use of chemicals, insecticides and pesticides began
     after the Green Revolution.
     (a) A practice of chemicals, insecticides and pesticides
     (b) The custom of chemicals, insecticides and pesticides
     (c) Consumption of chemicals, insecticides and pesticides
     (d) The usage of chemicals, insecticides and pesticides

179. Select the most appropriate ANTONYM of the given word.
     Catastrophic

(a) Calamity   (b) Fortuitous

(c) Fiasco   (d) Sabotage

180. Select the most appropriate meaning of the given idiom.
     An arm and a leg
     (a) To ask for too much
     (b) A large amount of money
     (c) Everything is ready
     (d) To be lost and bewildered

181. The following sentence has been split into four segments.
     Identify the segment that contains a spelling error.
     He wrote his dairy/ in code / so that nobody / could
     understand it.
     (a) so that nobody   (b) could understand it
     (c) in code   (d) He wrote his dairy

182. Select the most appropriate ANTONYM for the highlighted
     word.
     The negligent attitude of the cops was criticised.
     (a) attentive   (b) reluctant
     (c) amplify   (d) bored

183. Select the most appropriate one - word substitution of the
     given group of words.
     A person engaged in or trained for spaceflight.
     (a) Astute   (b) Astronomer
     (c) Astronaut   (d) Atrocious

184. Select the most appropriate synonym of the given word.
     Site
     (a) Lap   (b) Location
     (c) Globe   (d) Pull

185. Select the INCORRECTLY spelt word.
     (a) Serene   (b) Triumph
     (c) Comparsion   (d) Unveil

186. The following sentence has been split into four segments.
     Identify the segment that contains a grammatical error.
     She will have participate / in the dance competition / by the
     time her father / returns from the tour.
     (a) In the dance competition
     (b) She will have participate
     (c) by the time her father
     (d) returns from the tour

187. Select the option that can be used as a one - word substitute
     for the given group of words.
     Working or operating quickly and effectively in an organised
     way
     (a) Efficient   (b) Extensive
     (c) Excellent   (d) Effusive

188. Select the most appropriate synonym of the given word.
     Abandon
     (a) Perish   (b) Desert
     (c) Prolong   (d) Retain

189. Select the most appropriate ANTONYM of the given word.
     Damp

(a) Misty   (b) Arid

(c) Tropical   (d) Soaked

190. Select the most appropriate meaning of the given idiom.

A leopard can't change his spots

(a) Someone who is cherished above all others.

(b) A visual presentation is far more descriptive than words

(c) Something good that isn't recognised at first

(d) You cannot change who you are

Direction (Question no. 191 - 195): *In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option for each blank.*

The Amazon rainforest is an awe-inspiring natural wonder that (1) _____ across several South American countries, including Brazil, Peru, Colombia, and Ecuador. Covering an (2) _____ area of 5.5 million square kilometers, it is the largest tropical rainforest on Earth. The Amazon jungle is (3) _____ for its remarkable biodiversity, harbouring an astonishing array of plant and animal species that are still being discovered and studied. The dense vegetation of the jungle creates a (4) _____ and complex ecosystem, supporting countless species and providing crucial ecosystem services such as carbon sequestration and climate regulation. It is also home to (5) _____ communities that have thrived within its rich confines for centuries, preserving their traditions and deep connection to the land.

191. Select the most appropriate option to fill in blank number 1.

(a) reaches   (b) lenghts

(c) amounts   (d) spans

192. Select the most appropriate option to fill in blank number 2.

(a) gauged   (b) rated

(c) estimated   (d) evaluated

193. Select the most appropriate option to fill in blank number 3.

(a) great   (b) acclaimed

(c) renowned   (d) pre - eminent

194. Select the most appropriate option to fill in blank number 4.

(a) vigour   (b) spirited

(c) vibrant   (d) lavish

195. Select the most appropriate option to fill in blank number 5.
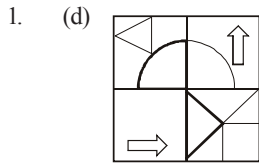
(a) late   (b) ancient

(c) indigenous   (d) organic

DIRECTION (Qs. 196-200): *Read the given passage and answer the question that follows.*
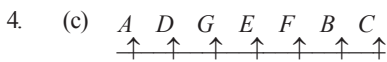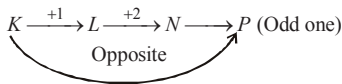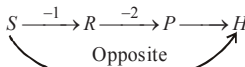
We started our research into organisational and personal excellence by studying a slightly different topic. We figured that if we could learn why certain people were more effective than others, then we could learn exactly what they did, clone it and pass it on to others. We asked people to identify who they thought were their most effective colleagues. In fact, over the past twenty - five years, we have asked over twenty thousand people to identify the individuals in their organisations who could really get things done. We wanted to find those who were not just influential but who were far more influential than the rest.

196. Which real life situation can be the most appropriate to be inferred from the passage?

(a) Inflation has direct influence on the morals and ethics of an individual.

(b) If we do something wrong to decent people, the same comes to haunt us even after many years.

(c) People nowadays do not have patience and want quick success and does not matter what path they choose to obtain their targets.

(d) Jassie is an efficient employee whose work ethics can be a case study to learn more about organisational and personal excellence.

197. Select the most suitable structure for the above passage.

(a) Chronological   (b) Cause and Effect.

(c) Pragmatic   (d) Compare and Contrast

198. Select the most appropriate ANTONYM of the given word.

Effective

(a) Deniable   (b) Harmonious

(c) Fruitless   (d) Courteous

199. Select the most appropriate title to the given passage.

(a) Research Grants in Organisaitions

(b) Learn, Clone and Pass

(c) Most Effective Colleagues

(d) Different Topics

200. Select the statement that most appropriately sums up the passage given.

(a) Some people cannot be identified due to their most effective ways in 25 years.

(b) Research grants in an organisation should be increased for personal excellence.

(c) It takes 25 year for research to make people more effective and influential.

(d) Some people are more effective and more influential than others to get things done.

Hints & Explanations

1. (d)

2. (c) Pattern of the series –

$$E \xrightarrow{+1} F \xrightarrow{+1} G \xrightarrow{+1} H \xrightarrow{+1} I$$
$$L \xrightarrow{-2} J \xrightarrow{-2} H \xrightarrow{-2} F \xrightarrow{-2} D$$
$$S \xrightarrow{+3} V \xrightarrow{+3} Y \xrightarrow{+3} B \xrightarrow{+3} E$$
$$V \xrightarrow{-4} R \xrightarrow{-4} N \xrightarrow{-4} J \xrightarrow{-4} F$$

3. (d) $W \xrightarrow{-1} V \xrightarrow{-2} T \longrightarrow D$
     Opposite

    $J \xrightarrow{-1} I \xrightarrow{-2} G \longrightarrow Q$
     Opposite

    $S \xrightarrow{-1} R \xrightarrow{-2} P \longrightarrow H$
     Opposite

    $K \xrightarrow{+1} L \xrightarrow{+2} N \longrightarrow P$ (Odd one)
     Opposite

4. (c) $A \quad D \quad G \quad E \quad F \quad B \quad C$
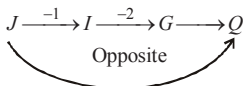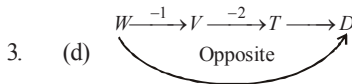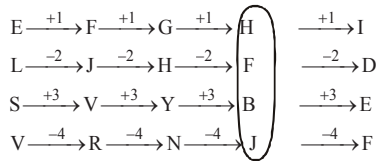
    Hence, C sits at the extreme right end of the row.

5. (a) In word GAME and MUST only letter M is common and coded number 8 is common in 60th Code.
    Hence, code for M is '8'.

6. (c)
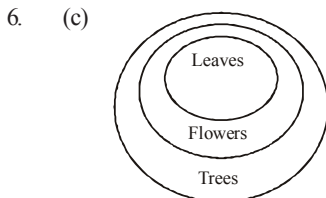
    Hence, only conclusion II follow

7. (a) From dice 1 and 2-
    Number '5' opposite to Number '2'
    From dice 2 and 3
    Number '6' opposite to Number '4'.
    Hence, number '3' on the face opposite the face showing '1'.

8. (c)
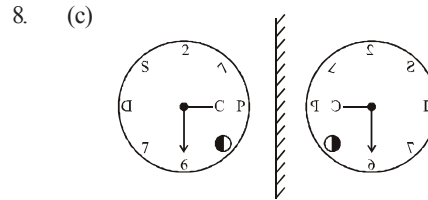
9. (d) $137 \div 56 \times 7 - 6 + 31 = ?$
    After change signs–
    $137 + 56 \div 7 \times 6 - 31 = ?$
    $\Rightarrow ? = 137 + 8 \times 6 - 31$
    $\Rightarrow ? = 106 + 48 = 154$

10. (c) 4. Logician
    2. Loincloth
    1. Lollipop
    5. Lonely
    3. Longways

11. (a) Pattern of the series-

$$A \xrightarrow{+5} F \xrightarrow{+5} K \xrightarrow{+5} P \xrightarrow{+5} U$$
$$B \xrightarrow{+4} F \xrightarrow{+4} J \xrightarrow{+4} N \xrightarrow{+4} R$$
$$E \xrightarrow{+3} H \xrightarrow{+3} K \xrightarrow{+3} N \xrightarrow{+3} Q$$
$$G \xrightarrow{+2} I \xrightarrow{+2} K \xrightarrow{+2} M \xrightarrow{+2} O$$

12. (b)
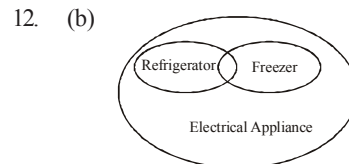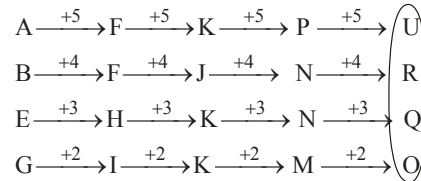
13. (c) Patter is that
    $7 \times 5 = 35 \ \& \ 7 \times 6 = 42$
    $4 \times 5 = 20 \ \& \ 4 \times 6 = 24$
    Similarly
    $9 \times 5 = 45 \ \& \ 9 \times 6 = 54$

14. (b)
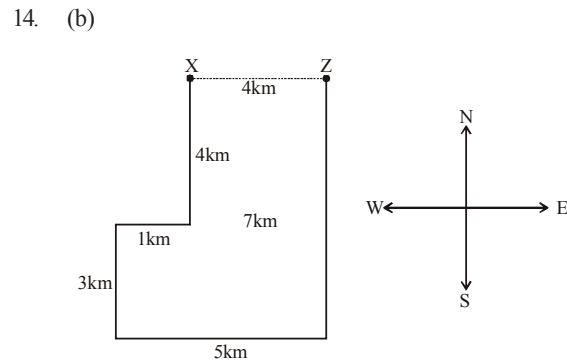
    Hence, He needs to move 4 km in East direction to reach point Z.

15. (a) Pattern of figure series is that two small circles move one step in anticlockwise direction and black spot appear alternative figure in the series.

16. (a) In both dices number 5 and 4 are common, so number '6' will be on the face opposite to the face showing number '1'.

17. (d)
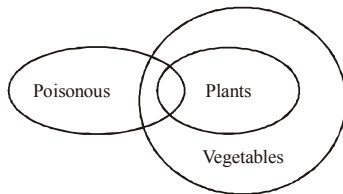
Hence, only conclusion II follows.

18. (c) 3. Descend
1. Desire
5. Desolate
6. Desperate
2. Destination
4. Destructive

19. (c) Pattern is that the figure is rotating 90º in clockwise direction.

Hence, next figure is-
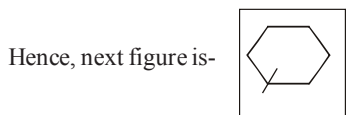
20. (b) From dice '2' and '3' it is clear that numbers 3,6,1 and 5 are not opposite to the face showing number 4. Hence, number '2' on the face opposite to the face showing number '4'.

21. (c) Pattern is that
264 + 198 = 462
132 + 198 = 330
Similarly,
386 + 198 = 584

22. (c) 2B?D2 = 4B32D8
After change letter with signs
$2 \times ? \div 2 = 4 \times 32 \div 8$
$\Rightarrow \dfrac{2 \times ?}{2} = \dfrac{4 \times 32}{8}$
$\Rightarrow \boxed{? = 4 \times 4 = 16}$

23. (a) $250 - 10 + 10 \times 5 \div 2 = ?$
After change signs
$250 \div 10 \times 10 - 5 + 2 = ?$
$\Rightarrow ? = 25 \times 10 - 3$
$\Rightarrow ? = 250 - 3 = 247$

24. (b) $W \xrightarrow{+2} Y \xrightarrow{-7} R \xrightarrow{+1} S$ (Odd one)
$P \xrightarrow{+3} S \xrightarrow{-9} J \xrightarrow{+1} K$
$P \xrightarrow{+2} R \xrightarrow{-7} K \xrightarrow{+1} L$
$F \xrightarrow{+2} H \xrightarrow{-7} A \xrightarrow{+1} B$

25. (d) As, V   A   T   T
↓   ↓   ↓   ↓
22 + 1 + 20 + 20 = 63 + 2 = 65
And,
S   T   O   L   K
↓   ↓   ↓   ↓   ↓
19 + 20 + 15 + 12 + 11 = 77 + 2 = 79
Similarly,
G   E   N   E   R   O   U   S
↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓
7 + 5 + 14 + 5 + 18 + 15 + 21 + 19 = 104 + 2 = 106

26. (a)
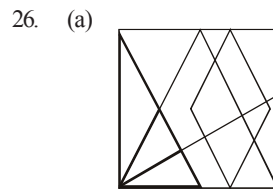
27. (b) $[\{(14 \times 6) - (4 \div 3)\} + (6 - 4)] \div 3$
After change signs
$[\{(14 - 6) + (4 \times 3)\} \div (6 + 4)] \times 3$
$= [(8 + 12) \div 10] \times 3$
$= \dfrac{20}{10} \times 3$
$= 2 \times 3 = 6$

28. (d) Pattern is that
T   E   M   P   L   E
−1↓ −2↓ −3↓ −4↓ −5↓ −6↓
S   C   J   L   G   Y   ;
C   H   U   R   C   H
−1↓ −2↓ −3↓ −4↓ −5↓ −6↓
B   F   R   N   X   B
Similarly,
M   O   S   Q   U   E
−1↓ −2↓ −3↓ −4↓ −5↓ −6↓
L   M   P   M   P   Y

29. (b) As,

And, J

Similarly,

30. (a) Pattern of the series-
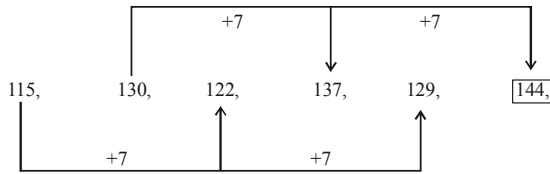
31. (d)
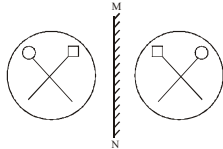
32. (a) Pattern is that-

$$\overset{6}{F} + \overset{23}{W} = 29 \quad \text{And,} \quad \overset{13}{M} + \overset{16}{P} = 29$$

$$\overset{12}{L} + \overset{17}{Q} = 29 \qquad\qquad \overset{15}{O} + \overset{14}{N} = 29$$

$$\overset{15}{O} + \overset{15}{O} = 30 \qquad\qquad \overset{14}{N} + \overset{16}{P} = 30$$

$$\overset{18}{R} + \overset{12}{L} = 30 \qquad\qquad \overset{5}{E} + \overset{25}{Y} = 30$$

$$\overset{27}{A} + \overset{3}{C} = 30 \qquad\qquad \overset{25}{Y} + \overset{5}{E} = 30$$

Similarly;

$$29 - \overset{7}{G} = \overset{22}{V}$$

$$29 - \overset{15}{G} = \overset{14}{N}$$

$$30 - \overset{9}{I} = \overset{21}{U}$$

$$30 - \overset{14}{N} = \overset{16}{P}$$

$$30 - \overset{7}{G} = \overset{23}{W}$$

33. (c) Pattern is that

$$(6 \times 2) \times 8 = 96$$

$$(5 \times 6) \times 8 = 240$$

Similarly,

$$(1 \times 2) \times 8 = 16$$

34. (c) Pattern is that

$$\frac{37 - 19}{6} = \frac{18}{6} = 3$$

$$\frac{45 - 21}{8} = \frac{24}{8} = 3$$

Similarly,

$$\frac{? - 72}{14} = 3$$

$$\Rightarrow \boxed{? = 72 + 42 = 114}$$

35. (b) 39 D 13 B 2 C 6 A 8
After change letter with signs
$$39 \div 13 \times 2 - 6 + 8$$
$$\Rightarrow 3 \times 2 + 2 \Rightarrow 8$$

36. (a) Pattern is that
$$7 \times 13 = 91$$
$$7 \times 14 = 98$$
$$4 \times 13 = 52$$
$$4 \times 14 = 56$$
Similarly,
$$12 \times 13 = 156$$
$$12 \times 14 = 168$$

37. (d) 96 D 3 B 8 C 25 A 14 = ?
After change letter with signs
$$96 \div 3 \times 8 - 25 + 14 = ?$$
$$\Rightarrow ? = 32 \times 8 - 11$$
$$\Rightarrow ? = 256 - 11 = 245$$

38. (a) 7 A 3 B 24 D 2 = 20 B ? A 3
After change letter with signs
$$7 + 3 \times 24 \div 2 = 20 \times ? + 3$$
$$\Rightarrow 7 + 3 \times 12 = 20 \times ? + 3$$
$$\Rightarrow 20 \times ? = 43 - 3$$
$$\Rightarrow ? = \frac{40}{20} = 2$$

39. (d) Pattern of the series
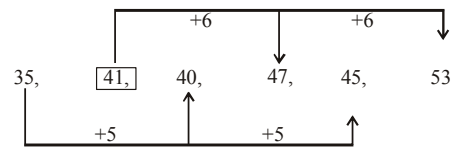
40. (d) 'A' opposite to 'I'
'E' opposite to 'O'
'Z' opposite to 'U'
Hence, only cube '3' figure is possible.

41. (d) There are two patterns followed.
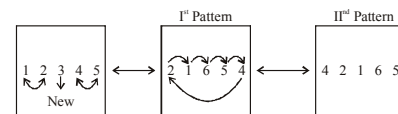
42. (b) Pattern of the series-

$$\frac{-1}{729}, \quad \frac{-1}{81}, \quad \frac{-1}{9}, \boxed{\frac{-1}{1} = -1}$$
$$\downarrow \qquad\quad \downarrow \qquad\quad \downarrow \qquad\quad \downarrow$$
$$\frac{-1}{(9)^3} \qquad \frac{-1}{(9)^2} \qquad \frac{-1}{(9)^1} \qquad \frac{-1}{(9)^0}$$

43. (d) Pattern of the series

$$M \xrightarrow{-1} L \xrightarrow{-1} K \xrightarrow{-1} J \xrightarrow{-1} I$$
$$K \xrightarrow{+2} M \xrightarrow{+2} O \xrightarrow{+2} Q \xrightarrow{+2} S$$
$$P \xrightarrow{-1} O \xrightarrow{-1} N \xrightarrow{-1} M \xrightarrow{-1} L$$
$$N \xrightarrow{+2} P \xrightarrow{+2} R \xrightarrow{+2} T \xrightarrow{+2} V$$
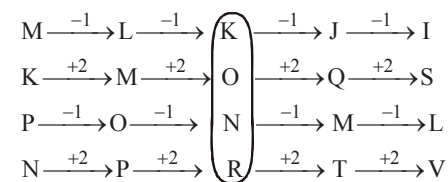
44. (c) As, Caterpillar represents the earlier stage of the life cycle of Butter fly.

Similarly, 'Larva' represents the earlier stage of the life cycle of Insect.

45. (d)
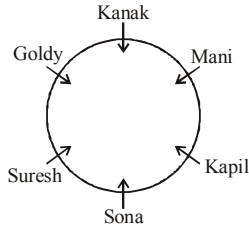
Hence, Suresh sits to the immediate right of Goldy.

46. (a)
$$P(-)$$
$$|$$
$$M(-) = H(-) = J(+)$$
$$|$$
$$L(-) = Q(+)$$

Hence, P is the grand mother (Mother's mother) of L.

47. (b)
$$C(-) — J(-)$$
$$| \qquad |$$
$$M(+) \quad Z(-/+)$$

Hence, J is the Aunt (Mother's sister) of M.

48. (c)
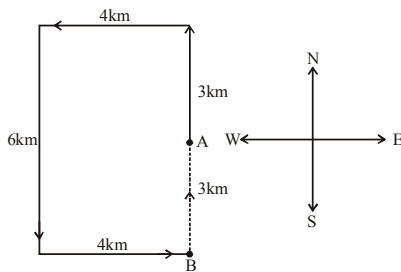
Hence, Rohit should drive 3km towards North direction to reach point A again.

49. (c)

50. (b)

Pencil   Eraser   Sharpener
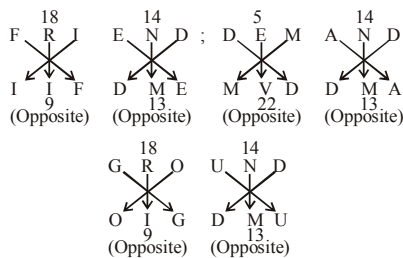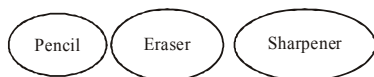
51. (a) Among the following given options, Ammonia with the chemical formula NH_3 does not belong to the family of organic compounds.

52. (a) Lydian Nadhaswaram (born 5 September 2005) is an Indian musician from Chennai, Tamil Nadu. In 2019, he appeared on *The World's Best* on CBS and won, earning prize money of $1 million. He set the record becoming the fastest piano player ever.

53. (b) For Kharif crops, high temperatures (over 25°C) and high humidity are necessary. It needs annual precipitation of at least 100 cm. It flourishes with irrigation in places with little rainfall. India's northern and northern-eastern plains, coastal regions, and deltaic areas are all where rice is farmed.

54. (c) Bhutia dance is performed in the state of Sikkim. Bhutia folk dance"Tashi Sabdo"-This age old group dance beautifully and gracefully shows the customs of offering khadas (Scarfs) 0n auspicious occasion. The dancers dance to the melodious tunes dully supported by musical instrument such as Yarkha, Drum, Flute and Yangjey.

55. (b) The Farakka treaty was signed between India and Bangladesh in 1977 with the intention to end the differences between Bangladesh and India. In 1996, Awami League and the new government concluded a fresh treaty over the river Ganga with India. Ganga Water Treaty 1996 is an agreement to share surface waters at the Farakka Barrage near their mutual border. Issue is now resolved.

56. (a) Ajayaraja was the great ruler of Chauhan dynasty. He established the city of Ajmer which was originally known as Ajyameru in 1113 (According to Prithviraj Vijay written by Jayanak). He made it the capital of his kingdom.

57. (c) There are 13 Parliamentary Constituencies (each comprised 9 Assemblies) in the State of Punjab out of which 4 constituencies are reserved for SC.

58. (c) In the industrial sector, Private sector was not allowed in all sectors. The players were restricted to enter certain industries and they were state owned. Some sectors which are restricted are railways, atomic energy, defence, mining etc.

59. (d) *My Story* is an autobiographical book written by Indian author and poet Kamala Das (also known as Kamala Surayya or Madhavikutty). The book was originally published in Malayalam, titled *Ente Katha*. The book evoked violent reactions of admiration and criticism among the readers and critics. It remains to date the best-selling woman's autobiography in India.

60. (a) Methyl ethyl ketone is an organic compound which is also known as butanone or methylacetone. The formula is C_4H_8O. Butanone is a colourless, volatile liquid and has a pleasant pungent smell. The flashpoint of Methyl ethyl ketone is 20°F. The vapours formed are heavier than air. It dissolves in water.

61. (d) The Fundamental Duties are dealt with in Article 51A under Part-IV A of the Indian Constitution. The

fundamental duties which were added by the 42nd Amendment Act of the Constitution in 1976, in addition to creating and promoting culture, also strengthen the hands of the legislature in enforcing these duties vis-a-vis the fundamental rights. However, they are not justifiable in nature.

62. (b) The **First Finance Commission** was constituted vice Presidential Order dated 22.11.1951 under the chairmanship of Shri **K.C. Neogy** on 6th April 1952. It can be understood that The **Finance Commission is constituted** by the **President under article 280** of the Constitution, mainly to give its recommendations on the distribution of tax revenues between the Union and the States and amongst the States themselves. Fifteen Finance Commissions have been constituted so far at the intervals of every five year.

63. (b) The 1st Commonwealth Games were held in 1930 at Hamilton, Canada. After Olympics, Commonwealth Games is the second-largest sports festival in the world. The Games are held once in four years but only in between the Olympic years.

64. (b) A continental shelf is a portion of a continent that is submerged under an area of relatively shallow water, known as a shelf sea. So, the continental shelf is the extended margin of each continent. It is the shallowest part of the ocean showing an average gradient of 1° or even less. Its depth varies from 30m to 600m.

65. (c) Dhuruvasena II was a ruler of the Maitraka dynasty which ruled in western India. The Maitraka dynasty was founded by Bhatarka. The capital of the dynasty was in Vallabhi. Dhuruvasena II ruled the dynasty from 627-641 CE and became a vassal after his defeat to Harshavardhana.

66. (c) The National Commission for Women was set up as statutory body in January 1992 under the National Commission for Women Act, 1990 (Act No. 20 of 1990 of Govt. The commission's main objective is to review the Constitutional and legal safeguards for women; recommend remedial legislative measures, facilitate redressal of grievances and advise the Government on all policy matters affecting women.

67. (d) The stomata, which help in the gaseous exchange in the plants are present on the surface of the leaves. It helps in transpiration and removal of excess water in the form of water vapour. Stomatal closure at night prevents water from escaping through pores.

68. (c) The President of the country is given extraordinary powers in the state of an emergency. The powers which the President holds at the time are dynamic nature dealing with the defence of the country. Under Article 352, the president can declare a national emergency when the security of India or a part of it is threatened by war or external aggression or armed rebellion. The President can declare a national emergency even before the actual occurrence of war or armed rebellion or external aggression

69. (a) The Micro finance Institutions in India provides micro loans in India to small business. However, the definition of "small loans" varies between countries. In India, all loans that are below Rs. 1 lakh can be considered as microloans

70. (a) In the given question, both the statements are true. The configuration of electrons of p block is n s 2 n p 1 - 6 . P block elements are shiny and usually a good conductor of electricity and heat as they have a tendency to lose an electron. The second statement holds true that is the non-metals and metalloids exist only in the p-block of the periodic table.

71. (d) In the Kheda Satyagraha of 1918, Mahatma Gandhi was chiefly the spiritual head of the struggle. He was assisted by the newly joined Satyagrahi Sardar Vallabhbhai Patel and other local lawyers and advocates namely Indulal Yagnik, Shankarlal Banker, Mahadev Desai, Narhari Parikh, Mohanlal Pandya and Ravi Shankar Vyas.

72. (a) The three **Round Table Conferences** of 1930–1932 were a series of peace conferences organized by the British Government and Indian political personalities to discuss constitutional reforms in India. The third and last session assembled on November 17, 1932. Only forty-six delegates attended since most of the main political figures of India were not present. The Labour Party from Britain and the Indian National Congress refused to attend.

73. (a) The Part III of the Indian constitution deals with the fundamental rights. Currently, the constitution of India consists of 25 parts and 12 schedules. This expansion of the rulebook is because of the 106 amendment acts.

74. (a) Physical Properties Gaseous stateof CO_2 at normal temperature (+15 °C) and atmospheric pressure, CO_2 has a density of 1.87 kg/m3, is 1.5 times heavier than air and spreads along the ground collecting in low-lying areas such as pits and cellars.

75. (b) The Sao Joao festival is celebrated in Goa to pay tribute to St. John the Baptist. During the Sao Joao festivities, the residents of Goa present fruits to each other. The festival takes place in the starting of monsoon.

76. (b) The Global Hunger Index (GHI) is a tool for comprehensively measuring and tracking hunger at global, regional, and national levels. With a score of 29.1, the level of hunger in India has been labelled "serious". In Asia, Afghanistan with a rank of 109 is the only country behind India.

77. (b) Satyashodhak Samaj (Truth-seekers' Society) was a social reform society founded by Jyotirao Phule in Pune, Maharashtra, on 24 September 1873. It espoused a mission of education and increased social rights and political access for underprivileged groups, focusing especially on women, Shudras, and Dalits, in Maharashtra.

78. (a) Veteran Indian boxer Satish Kumar recently became the first super heavyweight (+91kg) Indian boxer to qualify for the Olympic Games. Satish Kumar is a bronze-medallist in 2014 Asian Games, silver medallist

in 2018 Commonwealth Games and a two-time bronze-winner at the Asian Championships -2015 and 2019.

79. (d) The famous work "Prithviraj Raso" was written by Chand Bardai, in hindi. It was written in Braj Bhasha. An epic poem, it demonstrates the life and contributions of the 12th century king, Prithviraj Chauhan

80. (a) The most widely accepted model of planetary formation is known as the nebular hypothesis. This model posits that, 4.6 billion years ago, the Solar System was formed by the gravitational collapse of a giant molecular cloud spanning several light-years.

81. (b) There are six major controls of the climate of any place. They are: latitude, altitude, pressure and wind system, distance from the sea (continentality), ocean currents and relief features. Due to the curvature of the earth, the amount of solar energy received varies according to latitude.

82. (b) The Ao tribe of Nagaland has one such special festival, known as the Moatsu festival. This festival is celebrated after seeds have been sown in the fields. Men and women of the tribe gather around large outdoor fires and performing traditional dances.

83. (d) There are many measures to estimate the economic growth of a country like Gross National Product, net national product and Gross Domestic Product etc. However, GDP remains one of the best indicators of Economic growth of a country.

84. (a) The full form of PPLO is "Pleuro Pneumonia Like Organisms". It belongs to the genus Bacteria. The PPLO are also termed Mycoplasma. The reason behind naming mycoplasmas as PPLO is because they are free-living organisms and simple prokaryotes.

85. (c) Nereocystis is a genus of subtidal kelp commonly called bull kelps. They grow in deep waters and rapid tideways and can attain length up to 40 metres.

86. (a) The Atal Tunnel is built in the Pir Panjal Range of the Himalayas at an altitude of 3000 Meters (10, 000 Feet) from the Mean Sea Level (MSL). World's Longest Highway Tunnel in Manali, Himachal Pradesh. The 9.02 Kilometre Long Tunnel has been constructed by Border Roads Organisation (BRO) at a cost of INR 3, 300 crores. It connects Manali and Lahaul-Spiti Valley.

87. (a) The Fiscal Policy Strategy Statement, presented to Parliament as per the FRBM Act. The Strategy Statement outlines the strategic priorities of Government in the fiscal area for the ensuing financial year relating to taxation, expenditure, lending and investments, administered pricing, borrowings and guarantees.

88. (c) The sperm are produced within tiny, typically stalked, club-shaped structures called antheridia and you can also see bryophyte sperm referred to as antherozoids. The stalk anchors the antheridium to the gametophyte. Each antheridium produces numerous sperm.

89. (a) Shore Temple, complex of elegant shrines (c. 700 ce), one among a number of Hindu monuments at Mamallapuram (Mahabalipuram), on the Coromandel Coast of Tamil Nadu state, India. It is considered the finest early example of medieval southern Indian temple architecture. It was built by the Pallava rulers.

90. (b) Teejan Bai is an exponent of Pandavani, a traditional performing art form, from Chhattisgarh, in which she enacts tales from the Mahabharata, with musical accompaniments. She has been awarded the Padma Shri in 1987, Padma Bhushan in 2003, and Padma Vibhushan in 2019 by Government of India, besides 1995 Sangeet Natak Akademi Award in 1995, given by Sangeet Natak Akademi, India's National Academy of Music, Dance & Drama

91. (a) In India Green revolution experienced success in two phases. The first round of green revolution: 1965-66 to 1980-81 (15 years) and the second round of green revolution: 1980-81 to 2000-01 (20 years). The growth rates after mid-sixties and before mid sixties (post and pre-green revolution periods) is a matter of controversy, especially the rates during the initial phase.

92. (a) In the given question, first statement is wrong since the Northern Part of India experience varying weather conditions throughout the year. Due to its location, the area experiences extreme summer, winters and good amount of monsoons as well. However, the second statement is correct as the Himalayas protect the subcontinent from extremely cold winds from central Asia

93. (b) In a game of Volleyball, each team has 6 members. Each member must shift one position clockwise each time their side gets back service from the opponent. Only the three players at the net positions have the power to jump, spike, or block close to the net.

94. (a) Kal Baisakhi is a special season known for the localized rainfall and thunderstorm events exceeding 100 km/h (62 mph) in the states of Bihar, Jharkhand, Odisha, Tripura, and West Bengal in India and Bangladesh.

95. (b) My Life is a 2004 autobiography written by former U.S. president Bill Clinton. It was released on June 22, 2004, around three years after Clinton left office. The book was published by the Knopf Publishing Group and became a bestseller; the book sold in excess of 2.3 million copies.

96. (b) Tansen was one of the prominent 'Ratan' of Akbar's court room. He is among the most influential personalities in the North Indian tradition of Indian classical music, called Hindustani. He was greatly esteemed for his dhrupad and raga compositions and for his vocal performances.

97. (a) Rukmini Devi Arundale founded the Kalashetra foundation in 1936. The Institution stands testimony to her dream of creating a space where the essence of Indian thought would find expression through artistic education.

98. (a) Lothar Meyer a German chemist plotted a graph between atomic weight and atomic volume. Elements

with similar properties occupied similar positions on the graph. Strong electropositive elements except for Lithium that is Sodium, Potassium, Rubidium, etc. occupied the top position on the graph. Elements like Beryllium, Magnesium, Calcium, etc. occupied the positions on the ascending part of the graph.

99. (b) Equestrianism commonly known as horse riding (Commonwealth English) or horseback riding includes the disciplines of riding, driving, and vaulting. This broad description includes the use of horses for practical working purposes, transportation, recreational activities, artistic or cultural exercises, and competitive sport. However, sprint is not one of the equestrian disciplines.

100. (b) The Guru Kelucharan Mohapatra Yuva Pratibha Samman will be presented to Arushi Mudgal for Odissi dance and Ramachandra Behera for Odissi music.

Guru Kelucharan Mohapatra is a master and a legend in his chosen field, with a name now synonymous with Odissi dance throughout the world. He was awarded the Sangeet Natak Akademi award in 1966, the title of Padma Shri in January 1974, an honorary doctorate in January 1982, the Padma Bhushan in 1988 and the Kalidas Samman in 1989

101. (d) Ratio of volume of two cylinders = $\dfrac{\pi r_1^2 h_1}{\pi r_2^2 h_2}$

$= \left(\dfrac{r_1}{r_2}\right)^2 \times \dfrac{h_1}{h_2} = \left(\dfrac{4}{5}\right)^2 \times \dfrac{5}{2}$

$= \dfrac{16}{25} \times \dfrac{5}{2} = \dfrac{8}{5} \Rightarrow 8 : 5$

102. (b) Speed of the person $= \dfrac{900}{6 \times 60} = \dfrac{10}{4} = \dfrac{5}{2}\,\text{m/s}$

$= \dfrac{5}{2} \times \dfrac{18}{5} = 9\,\text{km/hr}$

103. (a) $3\,G = 5\,S$

$\therefore \quad 6\,G = 10\,S$

So,

$5\,S \times 54 = (10\,S + 8\,S) \times D$

$\Rightarrow \quad 5\,S \times 54 = 18\,S \times D$

$\Rightarrow \quad D = \dfrac{54}{18} \times 5 = 15\,\text{days.}$

104. (c) According to question,

$3800 \times \dfrac{(100 - y\%)}{100} = 3496$

$\Rightarrow \quad 100 - y\% = \dfrac{3496}{38} = 92$

$\Rightarrow \quad y\% = 100 - 92 = 8\%$

Hence, value of y is 8%.

105. (d) Let cost price of 1000 gm article is ₹1000.

Selling price of article

$= 1000 \times \dfrac{78}{100} = ₹780$

Cost to dealer $= 1000 \times \dfrac{65}{100} = ₹650$

Hence, profit percentage $= \dfrac{(780 - 650)}{650} \times 100$

$= \dfrac{130}{65} \times 10 = 20\%$

106. (d) Total number of children in areas P and Q together

$= 10000 \times \dfrac{20}{100} + 20000 \times \dfrac{30}{100}$

$= 2000 + 6000$

$= 8000$

107. (b) $\sin\theta + \text{cosec}\,\theta = 2$

$\Rightarrow \quad \sin\theta + \dfrac{1}{\sin\theta} = 2$ ...(i) $\quad [\because \text{Cosec}\,\theta = \dfrac{1}{\sin\theta}]$

Squaring both side

$\left(\sin\theta + \dfrac{1}{\sin\theta}\right)^2 = (2)^2$

$\Rightarrow \quad \sin\theta + \dfrac{1}{\sin^2\theta} + 2 = 4$

$\Rightarrow \quad \sin^2\theta + \dfrac{1}{\sin^2\theta} = 4 - 2 = 2$ ...(ii)

Cubing both side of equ. (i)...

$\left(\sin\theta + \dfrac{1}{\sin\theta}\right)^3 = (2)^3$

$\Rightarrow \quad \sin^3\theta + \dfrac{1}{\sin^3\theta} + 3\left(\sin\theta + \dfrac{1}{\sin\theta}\right) = 8$

$\Rightarrow \quad \sin^3\theta + \dfrac{1}{\sin^3\theta} + 3 \times 2 = 8$

$\Rightarrow \quad \sin^3\theta + \dfrac{1}{\sin^3\theta} = 8 - 6 = 2$ ....(iii)

By multiplying equ. (ii) and (iii)

$\left(\sin^2\theta + \dfrac{1}{\sin^2\theta}\right)\left(\sin^3\theta + \dfrac{1}{\sin^3\theta}\right) = 2 \times 2$

$\Rightarrow \quad \sin^5\theta + \dfrac{1}{\sin\theta} + \sin\theta + \dfrac{1}{\sin^5\theta} = 4$

$\Rightarrow \quad \sin^5\theta + \dfrac{1}{\sin^5\theta} + \left(\sin\theta + \dfrac{1}{\sin\theta}\right) = 4$

$\Rightarrow \quad \sin^5\theta + \text{cosec}^5\theta + 2$

$= 4$ [from equ. (i)]

$\Rightarrow \quad \boxed{\sin^5\theta + \cos ec^5\theta = 4 - 2 = 2}$

108. (a) Total amount spent on different expenditures.

$= 5250 + 6125 + 7525 + 6475 + 4200 + 5425 = ₹35000.$

Hence, central angle corresponding to the expenditure spent

on education $= \dfrac{5425}{35000} \times 360°$

$= 55.8°$

109. (c) $\dfrac{0.04}{0.05} \times \dfrac{\left(3\frac{1}{3} - 2\frac{1}{2}\right) \div \left(\frac{1}{2} \times 1\frac{1}{4}\right)}{\frac{1}{3} + \frac{1}{5} \times \frac{1}{9}}$

$= \dfrac{4}{5} \times \dfrac{\left(\frac{10}{3} - \frac{5}{2}\right) \div \left(\frac{1}{2} \times \frac{5}{4}\right)}{\frac{1}{3} + \frac{1}{45}}$

$= \dfrac{4}{5} \times \dfrac{\frac{5}{6} \times \frac{8}{5}}{\frac{16}{45}}$

$= \dfrac{4}{5} \times \dfrac{8}{6} \times \dfrac{45}{16}$

$= \dfrac{4}{6} \times \dfrac{9}{2} = \dfrac{36}{12}$

$= 3$

110. (d) $\tan A = \dfrac{4}{3} = \dfrac{\text{Perpendicular}}{\text{Base}}$

$\therefore$ Hypotenuse $= \sqrt{(4)^2 + (3)^2} = \sqrt{25}$

$\Rightarrow$ Hypotenuse $= 5$

Hence, $\sin A = \dfrac{\text{Perpendicular}}{\text{Hypotenuse}} = \dfrac{4}{5}$

111. (b) $15 = 3 \times 5$
$24 = 2 \times 2 \times 2 \times 3$
$35 = 5 \times 7$
$54 = 2 \times 3 \times 3 \times 3$
Hence, LCM of 15, 24, 35 and 54 $= 2 \times 2 \times 2 \times 3 \times 3 \times 3 \times 5 \times 7 = 7560$.

112. (c) Total number of graduates who appeared for both Cs and Es together in the year 2022

$= \left(120 \times \dfrac{80}{100} + 135 \times \dfrac{78}{100}\right)$ thousands

$= (96 + 105.3)$ thousands

$= 201300$.

113. (d) Time taken by boat to go 110 km downstream =

$= \dfrac{110}{17 + 5} = \dfrac{110}{22} = 5$ hours

114. (a) Let the original number is 100.
According to question,

New number $= 100 \times \dfrac{110}{100} \times \dfrac{120}{100} \times \dfrac{88}{100}$

$= 11 \times 12 \times \dfrac{88}{100} = 116.16$

Hence, increase percentage in the original number.

$= \dfrac{(116.16 - 100)}{100} \times 100 = 16.16\%$

115. (b) In 2003 $= \dfrac{(6.5 - 5.2)}{5.2} \times 100 = 25\%$

In 2005 $= \dfrac{(9.9 - 7.8)}{7.8} \times 100 = 26.92\%$ (Maximum)

In 2006 $= \dfrac{(10.8 - 9.9)}{9.9} \times 100 = 9.09\%$

In 2008 $= \dfrac{(11.4 - 9.5)}{9.5} \times 100 = 20\%$

116. (d) Percentage increase during 2020-2021 over 2018-19 in education outlay $= \dfrac{(8200 - 8000)}{8000} \times 100$

$= \dfrac{200}{80} = 2.5\%$

117. (b) Let the selling price of second shirt is ₹100.
$\therefore$ Selling price of first shirt = ₹200

$\therefore$ Cost price of first shirt $= 200 \times \dfrac{100}{108} = ₹185.19$

Cost price of second shirt $= 100 \times \dfrac{100}{97} = ₹103.09$

Hence, overall profit percentage on the shirts

$= \dfrac{\left[300 - (185.19 + 103.09)\right]}{(185.19 + 103.09)} \times 100$

$= \dfrac{11.72}{288.28} \times 100 = 4.07\%$

118. (b) $\dfrac{\text{Area of } \Delta_1}{\text{Area of } \Delta_2} = \dfrac{\frac{1}{2} \times h_1 \times b_1}{\frac{1}{2} \times h_2 \times b_2}$

$\Rightarrow \dfrac{4}{3} = \dfrac{6}{5} \times \dfrac{b_1}{b_2}$

$\Rightarrow \dfrac{b_1}{b_2} = \dfrac{4}{3} \times \dfrac{5}{6} = \dfrac{10}{9}$

Hence, ratio of their bases = 10 : 9

119. (c) LCM of 17 and 36 = 612
Largest four digits number = 9999

Remainder $= \dfrac{9999}{612} = 207$

Hence, required largest four digits number = 9999 – 207 = 9792.

120. (c)
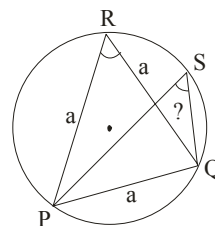
As ∠PRQ = ∠PSQ [∵ angle made by same chord at circumference on same side]

And ∠PRQ = ∠RPQ = ∠RQP = 60° [∵ Δ PQR is a equilateral triangle]

Hence, $\frac{1}{2}$ ∠PSQ = $\frac{1}{2}$ × 60° = 30°

121. (c) $\frac{x}{y} + \frac{y}{x} = 1$

⇒ $\frac{x^2 + y^2}{xy} = 1 \Rightarrow x^2 + y^2 = xy$ ...(i)

x + y = 2 ...(ii)

Hence, $x^3 + y^3 = (x + y)(x^2 + y^2 - xy)$
= 2(xy − xy) [from equ (i) and (ii)]
= 2 × 0 = 0

122. (c) Volume of cone = $\frac{1}{3}\pi r^2 h$

= $\frac{1}{3} \times \frac{22}{7} \times \left(\frac{12}{2}\right)^2 \times 7$

= $\frac{1}{3} \times 22 \times 36$

= 264 cm³

123. (d)

A ⟶ 20 ⟍ 3
B ⟶ 30 — 2 ⟩ 60 (Total work)
C ⟶ 60 ⟋ 1
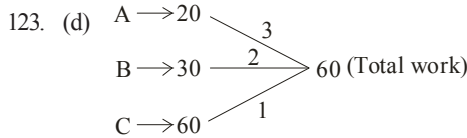
Work done in 3 days = (3 × 3 + 2 + 1) = 12
∴ Work done in 3 × 5 = 15 days = 12 × 5 = 60
Hence, work will be completed in 15 days.

124. (d) Tourists from country A coming in during

March = 60000 × $\frac{20}{100} \times \frac{3}{5}$ = 7200

Tourists from country A coming in during

April = 60000 × $\frac{25}{100} \times \frac{8}{15}$ = 8000

Hence, required ratio = 7200 : 8000 = 9 : 10

125. (a) 11 × 11 + 11 ÷ 11 − 11 × 11 + 11 + 11 × 11 − 11 − 11 × 11
= 121 + 1 − 121 + 11 + 121 − 11 − 121 = 1

126. (b) Monthly salary of the men = $\frac{5740}{28}$ × 100 = ₹20,500

∴ Annual salary = 12 × 20,500 = ₹246000

Hence, 10% of annual salary = 24,6000 × $\frac{10}{100}$

= ₹24,600.

127. (c) Population of city 2 years ago

= 352314 × $\frac{100}{115} \times \frac{100}{115}$ = 2,66,400.

128. (c) Average speed of the tourist van for the entire journey

= $\frac{2 \times 36 \times 60}{36 + 60} = \frac{72 \times 60}{96}$ = 45 km/hr.

129. (a) Product of two numbers = HCF × LCM
5x × 7x = 5 × 175

⇒ $x^2 = \frac{5 \times 175}{35} = 25$

⇒ x = $\sqrt{25}$ = 5
Hence, larger number is = 7 × 5 = 35

130. (c) Product of two number = HCF × LCM

⇒ 726 = 11 × LCM

⇒ LCM = $\frac{726}{11}$ = 66

131. (b) Average speed of the truck = $\frac{2 \times 30 \times 45}{30 + 45}$

= $\frac{60 \times 45}{75}$

= 36 km/hr.

132. (b)

P — 36 ⟍ 4
Q — 48 — 3 ⟩ 144
R — 144 ⟋ 1
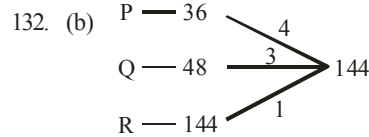
Work done in 12 days = 4 × (3 + 1) + 8 × 1
= 16 + 8 = 24
∴ Remaining work = 144 − 24 = 120

So, remaining work done in = $\frac{120}{4 + 3 + 1}$ = 15 days.

Hence, total number of days taken to complete the job = 12 + 15 = 27 days.

133. (b) a + b = 10
⇒ (a + b)² = 100
⇒ a² + b² + 2ab = 100
⇒ a² + b² = 100 − 2 × 6 = 88
Hence, a³ + b³ = (a + b)(a² + b² − ab)
= 10 × (88 − 6)
= 820

134. (b) cosθ − sinθ = $\sqrt{2}$ sinθ,
squaring both sides
(cosθ − sinθ)² = 2sin²θ
⇒ cos²θ + sin²θ − 2sinθ cosθ = 2sin²θ
⇒ 1 − 2sinθ cosθ = 2sin²θ
⇒ 2sinθ cosθ = 1 − 2 sin²θ ...(i)
So, (cosθ + sinθ)² = cos²θ + sin²θ + 2 sinθ cosθ
= 1 + 2 sinθ cosθ
⇒ (cosθ + sinθ)² = 1 + 1 − 2sin²θ [from equ. (i)]
⇒ (cosθ + sinθ)² = 2 − 2sin²θ
⇒ (cosθ + sinθ)² = 2(1 − sin²θ)
⇒ (cosθ + sinθ)² = 2cos²θ [∵ sin²θ + cos²θ = 1]

⇒ $\boxed{\cos\theta + \sin\theta = \sqrt{2}\cos\theta}$

135. (b) Let sides of triangle are 5x, 12x and 13x.
It is a right angle triangle because 5, 12 and 13 are triplet.
5x + 12x + 13x = 90
⇒ 30x = 90
⇒ x = 3
∴ Sides are = 15, 36 and 39
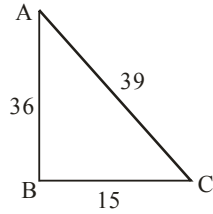
Hence, its area = $\frac{1}{2} \times 15 \times 36 = 270 \text{ cm}^2$

136. **(b)** Central angle of maths = $360 \times \frac{20}{100} = 72°$

Central angle of science = $360 \times \frac{30}{100} = 108°$

Hence, required ratio = $72° : 108° = 2 : 3$

137. **(d)** Number of failed candidates (in lakhs) in city D

$= 2.35 \times \frac{6}{4+6} = \frac{14.10}{10} = 1.41$

138. **(d)**
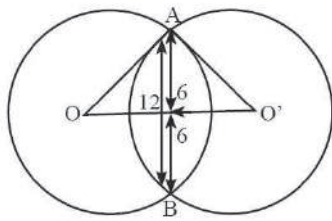
ΔOAC and ΔO'AC are right angle triangle.
Hence, distance between centres

$= \sqrt{(13)^2 - (6)^2} + \sqrt{(15)^2 - (6)^2}$

$= \sqrt{169 - 36} + \sqrt{225 - 36}$

$= \sqrt{133} + \sqrt{189}$

139. **(c)** The percentage of students who passed in the second

division in 2010 = $\frac{60}{(40 + 60 + 70 + 30)} \times 100$

$= \frac{6000}{200} = 30\%$

140. **(a)** Let two numbers are 5x and 3x.
∴ $5x - 3x = 34$
⇒ $2x = 34$
⇒ $x = 17$
Hence, smaller number = $3 \times 17 = 51$.

141. **(d)** Let radius and height of cylinder are 3x and 5x.
Volume of frustum = Volume of cylinder

⇒ $\frac{1}{3} \pi (R^2 + r^2 + Rr)h = \pi r_c^2 H$

⇒ $\frac{1}{3} [(28)^2 + (7)^2 + 28 \times 7] \times 45 = (3x)^2 \times 5x$

⇒ $45x^3 = \frac{1}{3} [784 + 49 + 196] \times 45$

⇒ $x^3 = \frac{1}{3} \times 1029 = 343$

⇒ $x = \sqrt[3]{343} = 7$
∴ Radius = $3 \times 7 = 21$
Height = $5 \times 7 = 35$
Hence, curved surface area of cylinder = $2\pi r_c H$

$= 2 \times \frac{22}{7} \times 21 \times 35 = 4620 \text{ cm}^2.$

142. **(c)** Time taken in first 10 km = $\frac{10}{40} = \frac{1}{4}$ hrs

∴ Time taken in second 10 km = $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ hrs

Time taken in fourth 10 km = $\frac{1}{4}$ hrs

∴ Time taken in third 10 km = $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ hrs .

Hence, the average speed for 40 km = $\dfrac{40}{\frac{1}{4} + \frac{1}{8} + \frac{1}{4} + \frac{1}{8}}$

$= \dfrac{40}{\frac{2+1+2+1}{8}}$

$= 40 \times \frac{8}{6} = \frac{160}{3} \text{ km} / \text{h}$

143. **(b)** $\tan^2\theta + \tan^4\theta$
⇒ $\tan^2\theta (1 + \tan^2\theta)$
⇒ $\tan^2\theta \times \sec^2\theta$ (∵ $1 + \tan^2\theta = \sec^2\theta$)
⇒ $(\sec^2\theta - 1) \sec^2\theta$
⇒ $\sec^4\theta - \sec^2\theta$

144. **(b)** Let two sides of right angled triangle are a and b.
By Pythagoras theorem.
$(29)^2 = a^2 + b^2$
⇒ $a^2 + b^2 = 841$ ...(i)
$a + b = 41$ cm
Squaring both sides
⇒ $(a + b)^2 = (41)^2$
⇒ $a^2 + b^2 + 2ab = 1681$
⇒ $841 + 2ab = 1681$ [From equ. (i)]
⇒ $2ab = 1681 - 841 = 840$ ...(ii)
So, $(a - b)^2 = a^2 + b^2 - 2ab$
From equ. (i) and (ii)
⇒ $(a - b)^2 = 841 - 840$
⇒ $(a - b)^2 = 1$
⇒ $a - b = \sqrt{1} = 1$ cm.
Hence, the difference between the other two sides is 1 cm.

145. **(b)** Product of numbers = HCF × LCM
⇒ $3x + 4x = 2700$
⇒ $12x^2 = 2700$

⇒ $x^2 = \frac{2700}{12} = 225$

⇒ $x = \sqrt{225} = 15$
Hence, sum of the numbers = $3x + 4x = 7x$
$= 7 \times 15 = 105$.

146. (a)   Let Rajesh invested in scheme A is ₹ x.
    ∴   Invested in scheme B = ₹(10000 − x)
    According to question,

    $\dfrac{x \times 8 \times 2}{100} + \dfrac{(10000 - x) \times 10 \times 2}{100} = 1680$

    ⇒ $\dfrac{16x}{100} + 100 \times 20 - \dfrac{20x}{100} = 1680$

    ⇒ $\dfrac{4x}{100} = 2000 - 1680$

    ⇒ $x = 320 \times \dfrac{100}{4} = ₹\,8000$

    Hence, Rajesh invested in scheme A is ₹ 8000.

147. (c)   42 : 36 :: 35 : x
    ⇒ $42 \times x = 36 \times 35$
    ⇒ $x = \dfrac{36 \times 35}{42} = 6 \times 5 = 30$
    Hence, fourth term is 30.

148. (d)   Let the cost price of item is ₹ 100.

    ∴   Marked price $= 100 \times \dfrac{170}{100} = ₹\,170$

    Selling price $= 170 \times \dfrac{95}{100} \times \dfrac{80}{100} \times \dfrac{80}{100} = ₹\,103.36$

    Hence, gain percentage $= \dfrac{(103.36 - 100)}{100} \times 100 = 3.36\%$

149. (c) $P\left(1 + \dfrac{10}{100}\right)^5 = 161051$

    ⇒ $P\left(\dfrac{11}{10}\right)^5 = 161051$

    ⇒ $P\left(\dfrac{11}{10}\right)^3 \times \left(\dfrac{11}{10}\right)^2 = 161051$

    ⇒ $P\left(\dfrac{11}{10}\right)^3 = 161051 \times \dfrac{100}{121} = 1331 \times 100$

    ⇒ $P\left(\dfrac{11}{10}\right)^3 = ₹1,33,100$ ...(i)

    Hence, Jonathan have to pay now to clear his dept

    $= P\left(1 + \dfrac{10}{100}\right)^3 = P\left(\dfrac{11}{10}\right)^3$

    $= ₹1,33,100$

150. (a)   12, 13 and 5 make triplet, so, the triangle is a right angle triangle.
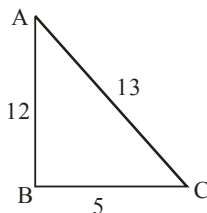
    Hence, area of triangle $= \dfrac{1}{2} \times 5 \times 12 = 30\ \text{cm}^2.$

151. (d)   From the given list of words, option (d) is spelt incorrectly. The correct spelling of the word is ASSASSINATE, meaning 'to murder a famous or an important person'.

152. (a)   The idiom 'bends over backwards' means 'to go to great lengths or put in a lot of effort to do something'. The option that comes closest in meaning to the given meaning is 'working hard to try to impress'.

153. (b)   From the four underlined words, option (d) is spelt incorrectly. The correct spelling of the word is BLATANT, meaning 'obvious, conspicuous, or obtrusive, especially in a crass or offensive manner'.

154. (d)   The error lies in the phrase 'swayed dainty'. While 'swayed' is a verb and 'dainty' is an adjective, using them together in this way is incorrect. 'Dainty' should be used as an adverb to describe how they swayed, not as an adjective modifying the verb itself. The correct way to right the sentence is 'The dancers swayed daintily on the stage last night'.

155. (a)   A notice of the death of a person, often with a biographical sketch, as in a newspaper is called Obituary.
    Other words on the list have the following meanings-
    • Oblivion- he state of being completely forgotten by the public
    • Elegy- a poem or song that expresses sadness, especially for somebody who has died
    • Advertisement- a form of public communication that promotes a product, service, brand, or event

156. (c)   All the words on the list except option (c) are spelt correctly. Its correct spelling is AGGREGATE, meaning 'to collect or gather into a mass or whole'.

157. (b)   That two people have the same interests can be idiomatically put as 'birds of the same feather'. Thus, option (b) is the right answer.

158. (a)   The opposite of the word 'moving' is 'steady', meaning to stop something from moving, shaking or falling; to stop moving, shaking or falling.

159. (b)   'Than' is a conjunction that is used when two things are compared. 'Then', on the other hand is an adverb which means 'next'. In the given sentence, a comparison has been made. Thus, 'than' should be used.

160. (c)   The idiom 'to get off on the wrong foot' means 'to start something on a bad note'. Thus, option (c) is the right answer.

161. (c)   The given phrasal verbs have the following meanings-
    • gets on: it emphasizes progress or success
    • gets after: to be persistent or demanding
    • gets about: to travel to different places or go to various events
    • gets along: to have good relationships with others
    From the above list of meanings, option (c) 'gets about' is the correct choice for the given context.

162. (b)   The idiom 'the best of both worlds' signifies getting the advantages of two different options without any of their drawbacks. 'An ideal situation', comes closest to the stated meaning.

163. (c) The words on the list have the following meanings-
- Lexicography- the study and practice of compiling dictionaries and the meanings of words
- Demography- the study of human populations, their characteristics, and changes
- Calligraphy- the art of beautiful writing
- Graphology- focuses on analyzing people's handwriting to infer their personality traits

It follows from the above list that option (c) 'Calligraphy' is the correct answer.

164. (a) The term 'random' means 'lacking order or purpose'. Like 'haphazard', it suggests something disorganized, unplanned, and unpredictable.

165. (c) The latter part of the sentence employs past tense. Contextually, the tense in the first clause of the sentence should be changed to past tense.

166. (a) The segment that contains a grammatical error is 'away at end of April'. The article 'the' is missing here. The correct phrase is 'away at the end of April'.

167. (b) The words on the list have the following meanings-
- Hypocrite- a person who pretends to have virtues, moral or religious beliefs, principles, etc., that they do not actually possess; someone who feigns a false appearance of virtue or goodness.
- Stoic- someone who can endure pain or hardship without showing their feelings or complaining
- Versatile- having many talents or abilities
- Amateur- someone who is not a professional or expert in a given field

So, someone who is indifferent to pain and pleasure is called stoic.

168. (c) The word that has similar meaning to 'access' is 'avenue', meaning 'a way of doing or getting something'.

169. (c) The idiom to 'burn the midnight oil' means 'to work until late at night'.

170. (a) If someone is on the breadline, it means that they are very poor. Thus, option (a) is the correct response.

171. (d) The correct synonym of 'justifiable' is 'reasonable'. Other words on the list have the following meanings-
- Indefensible- completely wrong
- Neutral- not supporting or belonging to either side in an argument
- Maintainable- capable of being maintained

172. (d) The meaning of the idiom 'left out in the cold' is used when a person is ignored by others rather than being invited to take part in some activity with them. Thus, option (d) is the right answer.

173. (a) The term used for 'fear of water' is called 'hydrophobia'. Other words on the list have the following meaning-
- Bibliophobia- intense fear of books or reading
- Microphobia- an intense fear of small things, such as germs and insects
- Botanophobia- an intense fear of plants

174. (a) 'Lots of kids' is a plural subject, thus as per subject-verb concord, plural verb will be used with it. Instead of 'was', 'were' should be used.

175. (b) The words on the list have the following meanings-
- Feeble- Weak
- Terrible- Very unpleasant
- Auspicious- that seems likely to be successful in the future
- Propitious- favourable

The word closest in meaning with 'dreadful' is 'terrible', meaning unpleasant.

176. (b) 'To dodge a bullet' means to be narrowly saved from danger.

177. (a) The people who have no means of livelihood left are called pauper or poor.

178. (d) We use the word 'usage' when talking about the customary manner of doing something. Thus, 'usage' is more appropriate than 'use' in this case as insecticides, pesticides etc. began to be used after Green Revolution.

179. (b) The words on the list have the following meaning-
- Calamity- a terrible event that causes a lot of damage or harm
- Fortuitous- happening by chance rather than intention
- Fiasco- an event that does not succeed, often in a way that causes embarrassment
- Sabotage- damage that is done on purpose and secretly in order to prevent an enemy or a competitor being successful

It follows from the above list that, 'catastrophic' which means causing sudden and very great harm or destruction, is opposite to option (b) fortuitous.

180. (b) The idiom 'an arm and a leg' means 'very expensive'. Thus, the option on the list that has the same meaning is 'a large amount of money'.

181. (d) There is a spelling error in the first part of the sentence. The correct word to be used in the given context is 'diary' and not 'dairy'. Thus, option (d) is the correct response.

182. (a) The meaning of the word 'negligent' is 'failing to take proper or normal care'. The word opposite in meaning to 'negligent' is 'attentive'.

183. (c) A person engaged in or trained for spaceflight is called astronaut. Other words on the list have following meanings-
Astute- very clever
Astronomer- a person who studies astronomy
Atrocious- extremely bad or unpleasant

184. (b) The word 'site' has the same meaning as 'location'.

185. (c) The correct spelling of the word is COMPARISON.

186. (b) The error lies in the verb form. The word "participate" is in the base form, but in this context, it requires the past participle form "participated" to convey the future perfect tense correctly. The future perfect tense indicates an action that will be completed before a certain point in the future, which in this case is the time her father returns. Therefore, the correct structure is "will have participated" to indicate that she will

complete participating in the dance competition before her father returns.

187. (a) It is the word 'efficient' which means 'working or operating quickly and effectively in an organised way'.

188. (b) Both 'abandon' and 'desert' mean 'to leave somebody or something that you are responsible for'. Thus, option (b) is the right answer.

189. (b) The word 'damp' means 'a little wet'. The opposite of 'damp' is 'arid', meaning 'very dry'.

190. (d) The idiom 'a leopard can't change its spots' conveys the meaning that one cannot change one's intrinsic nature.

Sol. 191- 195

The Amazon rainforest is an awe-inspiring natural wonder that 1(d) **spans** across several South American countries, including Brazil, Peru, Colombia, and Ecuador. Covering an 2 (c) **estimated** area of 5.5 million square kilometres, it is the largest tropical rainforest on Earth. The Amazon jungle is 3 (c) **renowned** for its remarkable biodiversity, harbouring an astonishing array of plant and animal species that are still being discovered and studied. The dense vegetation of the jungle creates a 4 (c) **vibrant** and complex ecosystem, supporting countless species and providing crucial ecosystem services such as carbon sequestration and climate regulation. It is also home to 5 (c) **indigenous** communities that have thrived within its rich confines for centuries, preserving their traditions and deep connection to the land.

191. (d) 192. (d) 193. (d) 194. (d) 195. (d)

196. (d) The focus of the passage is on the idea of efficiency and work ethics, thus option (d) can correctly inferred from the given passage.

197. (c) The most suitable structure for the passage is 'pragmatic', meaning 'relating to matters of fact or practical affairs'. Since, the passage deals with the subject of efficiency at workplace, option (c) are the right response.

198. (c) The word 'effective' means 'the ability of something or someone to produce a desired or intended result'. Its opposite is 'fruitless', meaning 'producing poor or no results'. Thus, option (c) is the right answer.

199. (c) The most suitable title for the passage will be ' Most Effective Colleagues' as it deals with the idea of effective workers.

200. (d) The last line of the passage provides a good hint as to what the summary of the passage should be. It says, 'we wanted to find those who were not just influential but who were far more influential than the rest' suggesting that 'Some people are more effective and more influential than others to get things done'.
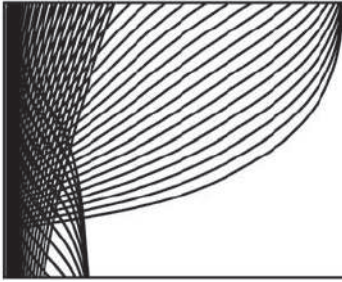
SSC Sub-Inspector
(CPO/CAPFs/Delhi Police) Solved Paper-2023
(Paper 2)

Time : 2 Hours   **Max. Marks : 200**

1. Sentences of a paragraph are given below. While the first (1) and the last (6) sentences are in the correct order, the sentences in between (A-D) are jumbled up.
   Arrange the sentences in the correct order to form a meaningful and coherent paragraph.
   1. During the colonial rule in India, Robert Bruce was the first who noticed tea plants growing near Rangpur in 1823.
   A. The species was found to be similar to that grown in Chinese tea gardens.
   B. By 1862, the Assam tea industry comprised around 160 gardens.
   C. The leaves of the plants were examined and the consequence was something fruitful.
   D. Mr. Maniram Dewan was the first Indian tea planter who established the commercial plantation that we know today as the Assam tea.
   6. Today the region has grown to become one of the world's largest tea-producing belts.
   (a) DCBA   (b) BDAC
   (c) CADB   (d) ADCB

2. Select the correct direct form of the given sentence.
   The ticket collector asked the passenger why he had not purchased a full ticket for his daughter.
   (a) The ticket collector said to the passenger, "Why haven't you purchase a full ticket for your daughter?"
   (b) The ticket collector said to the passenger, "Why didn't you purchase a full ticket for your daughter?"
   (c) The ticket collector said to the passenger, "Why he had not purchased a full ticket for his daughter?"
   (d) The ticket collector said to the passenger, "Why haven't you purchased a full ticket for his daughter?"

3. Select the correct active form of the given sentence.
   I am often invited by them to join their club.
   (a) I often invite them to join the club.
   (b) The club often invites me to join them.
   (c) They often invite me to join their club.
   (d) They have often invited me to join their club

4. Select the correct indirect form of the given sentence.
   You said, " Priya kept watching television till her mother exploded at her."
   (a) You said that Priya kept watching television till her mother exploded at her.
   (b) You said that Priya had kept watching television till her mother exploded at her.

   (c) You said that Priya kept watching television till her mother had exploded at her.
   (d) You said that Priya had kept watching television till her mother had exploded at her.

5. Select the antonym of the given word.
   deplore
   (a) mourn   (b) praise
   (c) dislike   (d) hate

6. Identify the segment in the sentence which contains a grammatical error.
   Two elderly gentlemen told the rather improbable story to mislead the police personnel.
   (a) Two elderly gentlemen
   (b) story to mislead
   (c) told the rather improbable
   (d) the police personnel

7. Select the correct passive form of the given sentence.
   Why didn't your father accompany you?
   (a) Why didn't you be accompanied by your father?
   (b) Why were you not accompanied by your father?
   (c) Why wasn't your father accompanied by you?
   (d) Why have you not been accompanied by your father?

8. Given below are six sentences of a paragraph.
   Sentence A is the beginning whereas sentence F is the last sentence of the para. The middle four sentences are jumbled up. Select the option that gives their correct order forming a meaningful and coherent paragraph.
   A. It was midday.
   B. Voldyrev, a tall country gentleman with a cropped head and prominent eyes, took off his overcoat, mopped his brow with his handkerchief, and went into the government office.
   C. "Where can I make an inquiry here?" he said, addressing a porter who was bringing a trayful of glasses from the furthest recesses of the office.
   D. Voldyrev coughed and went towards the window.
   E. "To that one sitting near the window!" said the porter, indicating with the tray the furthest window.
   F. There, at a green table spotted like typhus, was sitting a young man with his hair standing up in four tufts on his head, with a long pimply nose, and a long faded uniform.
   (a) BCED   (b) BDEC
   (c) ECDB   (d) CBED

9. Select the most appropriate synonym of the given word.
    MUNDANE
    (a) abnormal   (b) ordinary
    (c) wonderful   (d) exciting
10. Select the antonym of the given word.
    taciturn
    (a) laconic   (b) reticent
    (c) withdrawn   (d) loquacious
11. Given below are four jumbled sentences. Select the
    option that gives their correct order forming a meaningful
    and coherent paragraph.
    A. "Your cauldron gave birth," replied the Hodja.
    B. "What's this?" asked the neighbour, pointing to the
        pot.
    C. One day Nasreddin Hodja borrowed a cauldron
        from his neighbour.
    D. A few days later, when he had finished with it, he
        sent it back with a pot inside it.
    (a) ACBD   (b) BDAC
    (c) CBAD   (d) CDBA
12. Given below are four sentences. Pick the option that
    gives the correct order.
    A. The Egyptians believed that the body and soul were
        important to human existence, in life and in death.
    B. This ensured the soul's return to the body so that the
        deceased would live happily ever after.
    C. Their funerary practices, such as mummification and
        burial in tombs, were designed to assist the deceased
        find their way in the after world.
    D. The tombs were thus, filled with food, tools,
        domestic wares, treasures -- all the necessities of
        life.
    (a) ADCB   (b) ABCD
    (c) ACDB   (d) ABDC
13. Given below are four jumbled sentences. Select the
    option that gives their correct order forming a meaningful
    and coherent paragraph.
    A. A fine carriage with rubber tyres, a fat coachman,
        and velvet on the seats, rolled up to the house of a
        landowner called Gryabov.
    B. A drowsy footman met him in the hall
    C. "Are the family at home?" asked the Marshal.
    D. Fyodor Andreitch Otsov, the district Marshal,
        jumped out of the carriage.
    (a) ADBC   (b) DBAC
    (c) ACBD   (d) CBAD
14. Select the most appropriate option to fill in the blank.
    Gautam _____ all the documents by the time his senior
    advocate reached the court.
    (a) will be examining   (b) examines
    (c) had examined   (d) is examining
15. Parts of the given sentence have been given as options.
    One of them may contain a grammatical error. Select the
    option that has the error. If there is no error, select 'No
    error'.
    Your mother prepares delicious food, did she?

(a) prepares delicious food
(b) No error
(c) Your mother
(d) did she?
16. Identify the segment in the sentence which contains a
    grammatical error.
    She decided to marry him in spite his habit of spending
    recklessly.
    (a) to marry him
    (b) in spite his habit
    (c) She decided
    (d) of spending recklessly
17. Given below are four jumbled sentences. Select the
    option that gives their correct order forming a meaningful
    and coherent paragraph.
    A. I have seen a great many houses in my time, little
        and big, new and old, built of stone and of wood, but
        of one house I have kept a very vivid memory.
    B. It was, properly speaking, rather a cottage than
        a house -- a tiny cottage of one story, with three
        windows, looking extraordinarily like a little old
        hunchback woman with a cap on.
    C. The cottage was lost to sight among the mulberry-
        trees, acacias, and poplars planted by the grandfathers
        and great-grandfathers of its present occupants
    D. It had white stucco walls, tiled roof, and a dilapidated
        chimney.
    (a) BDAC   (b) ACBD
    (c) ABDC   (d) CDBA
18. Parts of the given sentence have been given as options.
    One of them may contain a grammatical error. Select the
    option that has the error. If there is no error, select 'No
    error'.
    I will definitely accept the responsibility while the time
    comes.
    (a) I will definitely accept
    (b) while the time comes.
    (c) the responsibility
    (d) No error
19. Select the most appropriate option that can substitute the
    underlined segment in the given sentence to improve it.
    If no improvement is required, select 'No improvement
    required'.
    She has given a brilliant dance performance last week.
    (a) had been given
    (b) was giving
    (c) No improvement required
    (d) gave
20. Sentences of a paragraph are given below. While the first
    (1) and the last(6) sentences are in the correct order, the
    sentences in between (A-D) are jumbled up. Arrange the
    sentences in the correct order to form a meaningful and
    coherent paragraph.
    1. A vacation is looked forward to as a time to relax.
    A. But, destiny had other plans for me.
    B. I was very excited to go on a vacation to Goa.
    C. My bags were packed and I decided to retire early
        for the night.

D. It is a welcome break from the daily routine which is often monotonous.

6. I fell off the bed and fractured my foot!

(a) DBCA   (b) ABDC

(c) BCDA   (d) CBAD

21. Select the most appropriate option to improve the underlined segment in the given sentence. If there is no improvement required, select 'No improvement'.
Passengers traveling by air <u>are prohibited to carry</u> sharp objects in cabin baggage.

(a) No improvement

(b) are prohibit to be carrying

(c) are prohibit for carrying

(d) are prohibited from carrying

22. Select the correct indirect form of the given sentence.
Ankit said to Ashna, "Do you know that the annual meeting has been postponed?"

(a) Ankit asked Ashna that do you know that the annual meeting has been postponed.

(b) Ankit asked Ashna if she had known that the annual meeting was postponed.

(c) Ankit asked Ashna if she knew that the annual meeting had been postponed.

(d) Ankit asked Ashna if she would be knowing that the annual meeting had been postponed.

23. Select the meaning of the given idiom
bring to book

(a) support someone

(b) punish someone

(c) calm someone

(d) teach someone

24. Select the correct active form of the given sentence.
The workers will not be satisfied with empty promises.

(a) Empty promises cannot satisfy the workers.

(b) Empty promises do not satisfy the workers.

(c) Empty promises will not satisfy the workers.

(d) Empty promises would not satisfy the workers.

25. Select the correct indirect form of the given sentence.
She said, " If only I could relive my past!"

(a) She said that she could relive her past.

(b) She wished that if she could relive her past.

(c) She wished that she could relive her past.

(d) She wished if she could relive my past.

26. Fill in the blank with the most appropriate option.
He gazed around the room _____ lay hidden a treasure chest.

(a) whereof   (b) whereas

(c) whereby   (d) wherein

27. Select the correct active form of the given sentence.
The test flight of Gaganyan was successfully carried out by the scientists of ISRO.

(a) The test flight of Gaganyan successfully carried out the scientists of ISRO

(b) The scientists of ISRO successfully carried out the test flight of Gaganyan.

(c) The scientists of ISRO will successfully carry out the test flight of Gaganyan.

(d) The scientists of ISRO are successfully carrying out the test flight of Gaganyan.

28. Fill in the blank with the most appropriate option.
Each one of the participants in the annual function _____ an applause.

(a) is deserving   (b) have deserved

(c) deserve   (d) deserves

29. Select the correct passive form of the given sentence.
The Election Commission announced the election dates for different states.

(a) The election dates for different states have been announced by the Election Commission.

(b) The Election Commission has been announced the election dates by the different states.

(c) The election dates for different states were announced by the Election Commission.

(d) The election dates for different states will be announced by the Election Commission

30. Given below are six sentences of a paragraph.
Sentence A is the beginning whereas sentence F is the last sentence of the para. The middle four sentences are jumbled up. Select the option that gives their correct order forming a meaningful and coherent paragraph.

A. When I studied Engineering thirty-five years back, I was the only girl in the course.

B. People often ask me how I managed.

C. I could only see boys and more boys everywhere.

D. But when I look back I feel it was not very difficult.

E. Having a girl in the class was unusual for the boys, and initially I was the target for a lot of teasing.

F. But over a period of time they became my best friends.

(a) ECDB   (b) CBDE

(c) BDEC   (d) CBED

31. Select the correct direct form of the given sentence.
The old man prayed to God to help him in his hour of sorrow.

(a) The old man said, " O God, help me in my hour of sorrow."

(b) The old man said, " God must help him in his hour of sorrow."

(c) The old man said, " O God, help him in my hour of sorrow."

(d) The old man said, " O God, help him in his hour of sorrow."

32. Select the correct active form of the given sentence.
May you be blessed with good health.

(a) You should be blessed with good health.

(b) May good health bless you.

(c) May God bless you with good health.

(d) God should bless you with good health.

33. Select the meaning of the given idiom.
lose your marbles

(a) lose respect
(b) miss an opportunity
(c) be nervous
(d) go insane

34. Select the correct direct form of the given sentence.
She exclaimed with regret that she had acted very foolishly
(a) "Ah! Have I acted foolishly?" she said.
(b) "I have acted foolishly," she said.
(c) "Alas! How foolishly I have acted," she said.
(d) " Oh! I regret having acted foolishly," she said.

35. Select the most appropriate option to improve the underlined segment in the given sentence. If there is no improvement required, select 'No improvement'.
Sherpas have prospered and come along the way from being just porters to becoming mountaineers.
(a) come all along
(b) are coming along
(c) No improvement
(d) come a long way

36. Parts of the given sentence have been given as options. One of them contains a grammatical error. Select the option that has the error.
The captain along with all the sailors were warmly welcomed back home by the town people.
(a) by the town people.
(b) along with all the sailors were
(c) warmly welcomed back home
(d) The captain

37. Select the most appropriate option to fill in the blank.
If I go to Bangalore, I _____with my nephew.
(a) have stayed   (b) will stay
(c) stay   (d) stayed

38. Identify the segment in the sentence which contains a grammatical error.
The two buses moving side by side gave the illusion of been stationary.
(a) moving side by side
(b) gave the illusion
(c) The two buses
(d) of been stationary

39. Select the correct active form of the given sentence.
By whom have these facts been verified?
(a) Who has verified these facts?
(b) Who is verifying these facts?
(c) Who had verified these facts?
(d) Who have verified these facts?

40. Select the correct direct form of the given sentence.
Looking at his watch Barin Babu observed that they were running more or less on time.
(a) Looking at his watch Barin Babu said, "They had been running more or less on time."
(b) Looking at his watch Barin Babu said, "They were running more or less on time."

(c) Looking at his watch Barin Babu said, "We are running more or less on time."
(d) Looking at his watch Barin Babu said, "We have been running more or less on time."

41. Given below are six sentences of a paragraph.
Sentence A is the beginning whereas sentence F is the last sentence of the para. The middle four sentences are jumbled up.
Select the option that gives their correct order forming a meaningful and coherent paragraph.
A. We soon ran into a nomad's tent, where we were well received and allowed to graze our yak to his heart's content.
B. She quickly made us cups of butter tea, and for the first time I drank this brew with relish.
C. This time our hostess was a young woman.
D. Only then did we notice what a picturesque figure our young hostess made.
E. The warmth ran through our frozen bodies and brought us to life again.
F. She wore a sheepskin cloak reaching down to the ground and in her long black pigtail she wore mussel shells, silver coins, and various cheap ornaments imported from abroad.
(a) CBED   (b) CBDE
(c) BDEC   (d) ECDB

42. Select the most appropriate option to fill in the blank.
She was so busy _____writing that when the maid came _____she didn't hear her.
(a) with, by   (b) to, in
(c) in, in   (d) at, up

43. Select the meaning of the given idiom.
bad blood
(a) poor blood circulation
(b) family of ill-repute
(c) felling of brotherhood
(d) hostility between people

44. Select the correct passive form of the given sentence.
His mother accompanies him wherever he goes.
(a) He has accompanied his mother wherever she has gone.
(b) He was accompanied by his mother wherever he went.
(c) He is accompanied by his mother wherever he goes.
(d) He accompanies his mother wherever she goes.

45. Identify the segment in the sentence which contains a grammatical error.
Mona took a little time to thought before she gave her consent to the proposal.
(a) before she gave her consent
(b) Mona took a little
(c) time for thought
(d) to the proposal

46. Select the most appropriate meaning of the given idiom.
a mare's nest

(a) a new situation
(b) a confused situation
(c) a familiar situation
(d) a refreshing situation

47. Select the misspelt word.
    (a) immense   (b) incence
    (c) enhance   (d) elegance

48. Select the correct indirect form of the given sentence.
    The airhostess said to the passengers, "This is our inaugural flight starting today."
    (a) The airhostess informed the passengers that it was their inaugural flight starting today.
    (b) The airhostess told to the passengers that it was their inaugural flight starting that day.
    (c) The airhostess said to the passengers that this is our inaugural flight starting today.
    (d) The airhostess informed the passengers that it was their inaugural flight starting that day.

49. Select the correct direct form of the given sentence.
    He told her that he could not marry her then but he would surely do so the following year.
    (a) He said to her, " He cannot marry you now but he will surely do so next year."
    (b) He said to her, " I cannot marry you now but I will surely do so next year."
    (c) He said to her, " I could not marry you then but I will surely do so next year."
    (d) He said to her, " I cannot marry her then but I will surely do so next year."

50. Select the most appropriate antonym of the given word.
    FASTIDIOUS
    (a) difficult   (b) fussy
    (c) critical   (d) indifferent

51. Select the most appropriate option that can substitute the underlined segment in the given sentence to improve it. If no improvement is required, select 'No improvement required'.
    You have a lot of coconut trees in your village, do you?
    (a) have you?
    (b) don't you?
    (c) No improvement required
    (d) don't they?

52. Select the correct active form of the given sentence.
    It was decided by Salim Ali to devote his life to the preservation of Indian birds.
    (a) Salim Ali decided to devote his life to the preservation of Indian birds.
    (b) Salim devoted his life to the preservation of Indian birds.
    (c) Salim Ali has decided to devote his life to the preservation of Indian birds.
    (d) Salim Ali had decided to devote his life to the preservation of Indian birds.

53. Select the most appropriate option to substitute the given group of words.
    A person who has excessive admiration of themselves

(a) egotist   (b) egocentric
(c) narcissist   (d) fanatic

54. Select the most appropriate option that can substitute the underlined segment in the given sentence to improve it. If no improvement is required, select 'No improvement required'.
    The pollution level ought to keep under control.
    (a) ought to be kept
    (b) ought to have kept
    (c) No improvement required
    (d) ought to be keeping

55. Select the correct option to substitute the given set of words.
    one who cannot be corrected
    (a) vulnerable   (b) versatile
    (c) indefatigable   (d) incorrigible

56. Select the correct indirect form of the given sentence.
    Umesh said to his father, " Can you give me more money?"
    (a) Umesh asked his father if he can give him more money.
    (b) Umesh asked his father that if he could give him more money.
    (c) Umesh asked his father could he give him more money.
    (d) Umesh asked his father if he could give him more money.

57. Select the correct indirect form of the given sentence.
    He said to his friend, " Let us leave for the trek tomorrow."
    (a) He suggested to his friend to leave for the trek the next day.
    (b) He told his friend to leave for the trek the next day.
    (c) He suggested his friend that let us leave for the trek tomorrow.
    (d) He suggested to his friend that they should leave for the trek the next day.

58. Select the correct direct form of the given sentence.
    He says that he will clear all his dues by the following month.
    (a) He said, " I will clear all my dues by next month."
    (b) He said, " I would clear all my dues by next month."
    (c) He says, " I will clear all my dues by next month."
    (d) He says, " I will clear all his dues by next month."

59. Select the INCORRECTLY spelt word.
    (a) Particularly   (b) Betrayal
    (c) Dilligence   (d) Vacation

60. Select the most appropriate option to improve the underlined segment in the given sentence. If there is no improvement required, select 'No improvement'.
    Some students think that if they cram a few chapters, they can pass in the exam.
    (a) pass the exam
    (b) No improvement
    (c) be passed in the exam
    (d) pass in an exam

61. Select the correct indirect form of the given sentence.
    The teacher said to Kavya, "You need a new notebook for English."
    (a) The teacher told to Kavya that she needs a new notebook for English.
    (b) The teacher told Kavya that she needed a new notebook for English.
    (c) The teacher told Kavya that you needed a new notebook for English.
    (d) The teacher said to Kavya that you need a new notebook for English.

62. Select the meaning of the given idiom.
    cut from the same cloth
    (a) belong to the same family
    (b) to be of a similar nature
    (c) to come from the same source
    (d) to share resources

63. Select the most appropriate option to improve the underlined segment in the given sentence. If there is no improvement required, select 'No improvement'.
    My sister resembles to my mother a lot in looks and in temperament.
    (a) No improvement
    (b) resembles
    (c) has resemblance to
    (d) is resembling to

64. Select the most appropriate option to improve the underlined segment in the given sentence. If there is no improvement required, select 'No improvement'.
    When he was falsely accused of embezzlement, he was beside himself in anger.
    (a) No improvement
    (b) he were beside himself
    (c) he was besides himself
    (d) he went beside himself

65. Select the most appropriate option that can substitute the underlined segment in the given sentence to improve it. If no improvement is required, select 'No improvement required'.
    As bombs keep falling on Gaza, hundreds of thousands of children have been order to flee their homes.
    (a) has been ordered to flee
    (b) have been ordered to flee
    (c) have been ordered fleeing
    (d) No improvement required

66. Select the correct passive form of the given sentence.
    We had repaired the roads before the monsoon set in.
    (a) The roads were repaired before the monsoon set in.
    (b) The roads had been repaired before the monsoon set in.
    (c) The roads have been repaired before the monsoon set in.
    (d) The roads are repaired before the monsoon set in.

67. Select the synonym of the given word.
    vitiate
    (a) annihilate   (b) facilitate
    (c) validate   (d) propagate

68. Select the correct indirect form of the given sentence.
    He said to me, " I have done my duty."
    (a) He told me that I had done my duty.
    (b) He told me that he had done his duty.
    (c) He told me that he have done his duty.
    (d) He told me that he did his duty.

69. Given below are six sentences of a paragraph.
    Sentence A is the beginning whereas sentence F is the last sentence of the para. The middle four sentences are jumbled up.
    Select the option that gives their correct order forming a meaningful and coherent paragraph.
    A. When Tarun failed in his terminal examinations, his father was very angry with him.
    B. It was a day he wanted to erase from his life and so he took to running.
    C. His friends too made fun of him.
    D. The sun beat down to check his rage but nothing could stop Tarun.
    E. He ran all around the park.
    F. After about an hour, he was fully exhausted and his fury having subsided, he threw himself on a bench and started to pant.
    (a) BDEC   (b) CEBD
    (c) CBED   (d) ECDB

70. Given below are four sentences. Pick the option that gives the correct order.
    A. The invention of the airplane was no exception.
    B. However, the idea of flying an aircraft was quite repulsive to some people.
    C. Many great inventions are initially greeted with ridicule and disbelief.
    D. Most people who heard about the first powered flight on December 17, 1903 were excited and impressed.
    (a) DABC   (b) DBCA
    (c) CDAB   (d) CADB

71. Identify the segment in the sentence which contains a grammatical error.
    The innocent clerk was accused with misappropriating funds of the company.
    (a) misappropriating funds
    (b) was accused with
    (c) of the company
    (d) The innocent clerk

72. Select the most appropriate option to substitute the given group of words.
    a wooden frame for holding an artist's work while it is being painted or drawn
    (a) easel   (b) lectern
    (c) platform   (d) podium

73. Select the most appropriate option to improve the underlined segment in the given sentence. If there is no improvement required, select 'No improvement'.
    He felt like a fish out of water as he was not accustomed for living in a large city.

(a) accustom for
(b) accustomed by
(c) accustomed to
(d) No improvement

74. Select the correct passive form of the given sentence.
Everybody wants others to respect them.
(a) Everybody wanted to be respected by others.
(b) Everybody wants to be respected by others.
(c) They want others to be respected by everybody.
(d) Everybody wants to respect others.

75. Select the most appropriate option that can substitute the underlined segment in the given sentence to improve it. If no improvement is required, select 'No improvement required'.
I would love fly a fighter jet one day.
(a) No improvement required
(b) would love to flying
(c) would to love fly
(d) would love to fly

76. Select the correct passive form of the given sentence.
Take these two pills with warm water.
(a) You may take these two pills with warm water.
(b) You are ordered to take these two pills with warm water.
(c) These two pills should be taken with warm water.
(d) Warm water should be taken with these two pills.

77. Select the correct active form of the given sentence.
A party was organized by Rayan on his 40th Birthday.
(a) Rayan organized a party on his 40th Birthday.
(b) A party organized Rayan on his 40th Birthday
(c) Rayan will be organizing a party on his 40th Birthday.
(d) Rayan has organized a party on his 40th Birthday.

78. Select the most appropriate option to substitute the given group of words.
one who is skilled and eloquent in public speaking
(a) lecturer   (b) orator
(c) spokesperson   (d) actor

79. Select the correct option to substitute the given set of words.
a statement open to more than one interpretation
(a) explicit   (b) palpable
(c) tangible   (d) ambiguous

80. Select the most appropriate option to substitute the given group of words.
the husks of corn or other grains separated by winnowing or threshing.
(a) chaff   (b) peel
(c) hay   (d) fodder

81. Select the correct passive form of the given sentence.
Pay that bill today.
(a) That bill will be paid today.
(b) That bill is going to be paid today.
(c) That bill should be paid today.
(d) Let that bill to be paid today.

82. Fill in the blank with the most appropriate option.
I trust him completely. His conduct is _____ suspicion.
(a) over   (b) under
(c) below   (d) above

83. Parts of the given sentence have been given as options. One of them may contain a grammatical error. Select the option that has the error. If there is no error, select 'No error'.
Are you yet afraid of going out in the dark?
(a) no error
(b) afraid of going out
(c) in the dark
(d) Are you yet

84. Given below are six sentences of a paragraph.
Sentence A is the beginning whereas sentence F is the last sentence of the para. The middle four sentences are jumbled up.
Select the option that gives their correct order forming a meaningful and coherent paragraph.
A. In the course of my education at MIT, three teachers shaped my thinking.
B. Their combined contributions formed the foundation on which I later built my professional career.
C. Prof. Sponder taught me technical aerodynamics.
D. These three teachers were Prof. Sponder, Prof. KAV Pandalai and Prof. Narasingha Rao.
E. Each one of them had very distinct personalities, but they shared a common impulse— the capacity to feed their students' intellectual hunger by sheer brilliance and untiring zeal.
F. He was an Austrian with rich practical experience in aeronautical engineering.
(a) CBED   (b) BCED
(c) BDEC   (d) ECDB

85. Select the correct indirect form of the given sentence.
You said to me, " I shall reach in time for the concert."
(a) You told me that I should reach in time for the concert.
(b) You told me that you shall reach in time for the concert.
(c) You told me that you would reach in time for the concert.
(d) You told me that I would reach in time for the concert.

86. Parts of the given sentence have been given as options. One of them may contain a grammatical error. Select the option that has the error. If there is no error, select 'No error'.
Specialists say that this method speeds up language learning tremendously.
(a) No error
(b) language learning tremendously.
(c) this method speeds up
(d) Specialists say that

87. Select the most appropriate option that can substitute the underlined segment in the given sentence to improve it. If no improvement is required, select 'No improvement required'.
Tomorrow, they will be take a flight to their dream vacation destination.
(a) be taking a flight
(b) will be taking a flight
(c) will taking a flight
(d) No improvement required

88. Select the correct passive form of the given sentence.
She held the child's hand firmly.
(a) The child's hand is held firmly.
(b) The child's hand has been held firmly.
(c) The child's hand held firmly.
(d) The child's hand was held firmly.

89. Select the most appropriate option that can substitute the underlined segment in the given sentence to improve it. If no improvement is required, select 'No improvement required'.
It seems that these walls have not been painted since years.
(a) have not been paint since years.
(b) have not being painted for years.
(c) have not been painted for years.
(d) No improvement required

90. Select the most appropriate option to improve the underlined segment in the given sentence. If there is no improvement required, select 'No improvement'.
The captain as well as the entire crew have reached the harbour safely.
(a) has reached
(b) have been reaching
(c) are reaching
(d) No improvement

91. Select the correct passive form of the given sentence.
Why do we have to accept these conditions?
(a) Why do these conditions have to be accepted?
(b) Why should these conditions be accepted?
(c) These conditions do not have to be accepted.
(d) Why are these conditions needed to be accepted?

92. Identify the segment in the sentence which contains a grammatical error.
My sister and me have a keen interest in learning classical music.
(a) classical music
(b) have a keen interest
(c) My sister and me
(d) in learning

93. Select the correct option to substitute the given set of words.
to skip about playfully
(a) scramble   (b) amble
(c) gambol   (d) trundle

94. Select the synonym of the given word.
entice

(a) dissuade   (b) beguile
(c) repulse   (d) entreat

95. Select the most appropriate option that can substitute the underlined segment in the given sentence to improve it. If no improvement is required, select 'No improvement required'.
I will definitely return your notes at Saturday evening.
(a) return your notes by
(b) returned your notes on
(c) returning your notes at
(d) No improvement required

96. Identify the segment in the sentence which contains a grammatical error.
Hold my hand lest you should not get lost in the huge crowd at the fair.
(a) crowd at the fair
(b) lest you should not
(c) get lost in the huge
(d) Hold my hand

97. Select the correct passive form of the given sentence.
One can achieve nothing without hard work.
(a) Nothing is achieved without hard work.
(b) Nothing will be achieved without hard work.
(c) Nothing has been achieved without hard work.
(d) Nothing can be achieved without hard work.

98. Identify the segment in the sentence which contains a grammatical error.
None than you deserve credit for the success of this project.
(a) for the success
(b) deserve credit
(c) of this project
(d) None than you

99. Identify the segment in the sentence which contains a grammatical error.
She use to learn fabric painting when she was in middle school.
(a) in middle school
(b) She use to
(c) learn fabric painting
(d) when she was

100. Select the most appropriate option to improve the underlined segment in the given sentence. If there is no improvement required, select 'No improvement'.
The shopping mall is more farther from my house than from my office.
(a) farther   (b) more far
(c) far   (d) No improvement

101. Select the meaning of the given idiom.
split one's sides
(a) be extremely amused
(b) meet with an accident
(c) scream in pain
(d) undergo a surgery

102. Fill in the blank with the most appropriate option.
Hurry up ! There's still _____ work left to do.

(a) many   (b) much
(c) whole   (d) lot

103. Select the correct passive form of the given sentence.
Bhavna saw him carrying your suitcase.
(a) Your suitcase carried by him was seen by Bhavna.
(b) He was seen by Bhavna carrying your suitcase.
(c) He had been seen by Bhavna carrying your suitcase.
(d) Your suitcase was seen by Bhavna carrying him.

104. Parts of the given sentence have been given as options. One of them may contain a grammatical error. Select the option that has the error. If there is no error, select 'No error'.
Rohit Sharma's century was very acclaimed in the media.
(a) No error
(b) in the media.
(c) very acclaimed
(d) Rohit Sharma's century

105. Select the correct direct form of the given sentence.
Praveen told his mother that he had completed his homework.
(a) Praveen said to his mother, "I have been completing my homework."
(b) Praveen said to his mother, "I have completed my homework."
(c) Praveen said to his mother, "I am completing my homework."
(d) Praveen said to his mother, "He had completed my homework."

106. Parts of the given sentence have been given as options. One of them may contain a grammatical error. Select the option that has the error. If there is no error, select 'No error'.
The food was not as delicious as we had expected.
(a) we had expected
(b) No error
(c) The food was not
(d) as delicious as

107. Select the most appropriate option to improve the underlined segment in the given sentence. If there is no improvement required, select 'No improvement'.
She is married with a rich businessman and has enough money to splurge on luxuries.
(a) No improvement
(b) is married to
(c) has marriage with
(d) has married with

108. Select the meaning of the given idiom.
forty winks
(a) a deep sleep   (b) a secret signal
(c) a long leave   (d) a short sleep

109. Select the most appropriate option to fill in the blank.
The air quality is so bad _____ it becomes difficult to breathe.
(a) when   (b) that
(c) as   (d) since

110. Given below are six sentences of a paragraph. Sentence A is the beginning whereas sentence F is the last sentence of the para. The middle four sentences are jumbled up. Select the option that gives their correct order forming a meaningful and coherent paragraph.
A. The first hour passed off quietly.
B. In the second, they had Arithmetic.
C. Swaminathan was terribly bored.
D. Vedanayagam went out and returned in a fewminutes in the role of an Arithmetic teacher.
E. He droned on monotonously.
F. His teacher's voice was beginning to get on his nerves.
(a) BCDE   (b) ECDB
(c) BDEC   (d) CBED

111. Given below are four sentences. Pick the option that gives the correct order.
A. She was a busy person and had no time to visit her mother.
B. It was Mothers' Day.
C. She thought her mother would be pleased to receive the flowers.
D. A woman stopped at a flower shop to order some flowers to be sent to her mother.
(a) BCDA   (b) BDAC
(c) DABC   (d) CADB

112. Select the correct passive form of the given sentence.
Humayun built a city named Dinpanah in 1533 in Delhi.
(a) A city named Dinpanah was built by Humayun in 1533 in Delhi.
(b) A city named Dinpanah had been built by Humayun in 1533 in Delhi.
(c) A city named Humayun was built by Dinpanah in 1533 in Delhi.
(d) A city named Dinpanah was being built by Humayun in 1533 in Delhi.

113. Select the most appropriate option to substitute the given group of words.
Natural talent for something
(a) flair   (b) feeling
(c) favour   (d) flavour

114. Select the most appropriate meaning of the given idiom.
have your heart in your mouth
(a) to be extremely jealous
(b) to behave in a foolish manner
(c) to get worse and worse
(d) to be extremely frightened

115. Select the most appropriate option to substitute the given group of words.
irrational fear of water
(a) cacophobia   (b) claustrophobia
(c) hydrophobia   (d) acrophobia

116. Select the correct active form of the given sentence.
Let the fire be kept burning at night.
(a) You must burn the fire at night.
(b) Let the fire burning at night
(c) The fire should be burnt at night.
(d) Keep the fire burning at night.

117. Select the most appropriate meaning of the given idiom.
Rock the boat
   (a) pester and irritate someone
   (b) overcome a difficult situation
   (c) divert someone's attention
   (d) disturb a stable situation

118. Select the correct direct form of the given sentence.
I asked my friend how one could be merry when everything was so messed up.
   (a) I said to my friend, " How can one be merry when everything is so messed up?"
   (b) I asked to my friend, " How can one be merry when everything was so messed up?"
   (c) I said to my friend, " How one could be merry when everything was so messed up?"
   (d) I said to my friend, " Could one be merry when everything is so messed up?"

119. Select the correct indirect form of the given sentence.
I said to him, "Please stay here tonight."
   (a) I requested him to please stay there tonight.
   (b) I asked him if he would stay there that night.
   (c) I asked him to please stay here that night.
   (d) I requested him to stay there that night.

120. Select the correct direct form of the given sentence.
He asked me if anybody had been rude to me.
   (a) He said to me, " Anybody has been rude to you?"
   (b) He said to me, " Has anybody been rude to you?"
   (c) He said to me, " Had has been rude to me?"
   (d) He said to me, " Anybody has been rude to me?"

121. Identify the segment in the sentence which contains a grammatical error.
Let us work out the details of our endeavour, shouldn't we?
   (a) shouldn't we   (b) Let us work out
   (c) our endeavour   (d) the details of

122. Select the misspelt word.
   (a) iminent   (b) temperament
   (c) reticent   (d) pertinent

123. Select the correct direct form of the given sentence.
Amanda asked Mohit how she had offended his friend.
   (a) Amanda said to Mohit, "How did I offended his friend?"
   (b) Amanda said to Mohit, "How have I offended your friend?"
   (c) Amanda said to Mohit, "How she had offended his friend?"
   (d) Amanda said to Mohit, "How have I offend your friend?"

124. Select the correct active form of the given sentence.
A party is being given by her on the occasion of her sixteenth birthday.
   (a) She will give a party on the occasion of her sixteenth birthday.
   (b) She is giving a party on the occasion of her sixteenth birthday.

   (c) She was giving a party on the occasion of her sixteenth birthday.
   (d) She has given a party on the occasion of her sixteenth birthday.

125. Parts of the given sentence have been given as options. One of them contains a grammatical error. Select the option that has the error.
You can take a horse to the water but you cannot make it to drink.
   (a) to the water
   (b) make it to drink.
   (c) You can take a horse
   (d) but you cannot

126. Identify the segment in the sentence which contains a grammatical error.
It is time someone takes concrete steps to alleviate the problem of unemployment in the country.
   (a) concrete steps to alleviate
   (b) the problem of unemployment
   (c) in the country
   (d) It is time someone takes

127. Select the most appropriate option to improve the underlined segment in the given sentence. If there is no improvement required, select 'No improvement'.
He refrained from visiting his friend as he had the urgent assignment to complete.
   (a) has urgent
   (b) No improvement
   (c) had an urgent
   (d) had a urgent

128. Select the most appropriate option that can substitute the underlined segment in the given sentence to improve it. If no improvement is required, select 'No improvement required'.
We have received no information so far to the main island.
   (a) so farther from
   (b) No improvement required
   (c) such far from
   (d) so far from

129. Select the most appropriate option to complete the given idiom.
cool as _____
   (a) air   (b) ice
   (c) a cucumber   (d) a river

130. Fill in the blank with the most appropriate option.
The small coffee shop at the end of the road is _____.
   (a) their   (b) mine
   (c) my   (d) our

131. Identify the INCORRECTLY spelt word in the given sentence and select the option that rectifies the spelling error.
It is difficult to describe the pandemonium kicked up by various animals when they spot or suspectt a panther around.

(a) Suspect   (b) Dificuult
(c) Panthar   (d) Kickd

132. Select the most appropriate option that rectifies the error(s) in the following sentence.
One must do his/her duty proparly.
(a) One must do once duty proparly.
(b) One must do ones duty properly.
(c) One must do one's duti proprly.
(d) One must do one's duty properly.

133. Select the correct direct form of the given sentence.
Isha told Shivani that they didn't need to buy tickets for the match as she had been given free passes for two.
(a) Isha said to Shivani, "They didn't need to buy tickets for the match as I am given free passes for two."
(b) Isha said to Shivani, "They didn't need to buy tickets for the match as she was given free passes for two."
(c) Isha said to Shivani, "We don't need to buy tickets for the match as I have been given free passes for two."
(d) Isha said to Shivani, "We didn't need to buy tickets for the match as I am given free passes for two."

134. Given below are six sentences of a paragraph.
Sentence A is the beginning whereas sentence F is the last sentence of the para. The middle four sentences are jumbled up.
Select the option that gives their correct order forming a meaningful and coherent paragraph.
A. The month was January.
B. On the first morning of the festival the mejhi would be set alight invoking the blessings of Agni, the god of fire.
C. There would be much feasting and merriment during the festival.
D. Each household would build a mejhi - a pile of firewood stacked neatly together in their backyard.
E. The Bihu festival was fast approaching.
F. "Let's build a champion mejhi this year." Ricky suggested a few days before the festival.
(a) CBDE   (b) CBED
(c) ECDB   (d) EDBC

135. Sentences of a paragraph are given below. While the first (1) and the last(6) sentences are in the correct order, the sentences in between(A-D) are jumbled up. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.
1. Nicholas Chorier is not a usual photographer.
A. He uses a kite to hoist his camera into the skies and clicks photographs while the camera dangles mid–air.
B. He is a kite aerial photographer.
C. Fascinated, he literally tied his two hobbies ,kite flying and photography ,together for a living.
D. During a trip to India to make a photo report on kite making, he learnt about this unique style of photography.

6. Today he is one of the most well–known kite aerial photographers in the world.
(a) BADC   (b) BCDA
(c) ACDB   (d) DABC

136. Select the correct direct form of the given sentence.
I suggested to my brother that we should go to the hills for a change.
(a) I said to my brother, "Shall we go to the hills for a change?"
(b) I said to my brother, " We shall go to the hills for a change."
(c) I said to my brother, " Let us go to the hills for a change."
(d) I requested to my brother, " We should go to the hills for a change."

137. Select the correct active form of the given sentence.
It is said that Einstein was a genius.
(a) People are saying that Einstein was a genius.
(b) People have said that Einstein was a genius.
(c) People say that Einstein was a genius.
(d) People said that Einstein was a genius.

138. Select the correct indirect form of the given sentence.
He said to me, " I am going to France next week."
(a) He said to me that he will go to France next week.
(b) He told me that I am going to France the following week.
(c) He said to me that he were going to France next week.
(d) He told me that he was going to France the following week.

139. Parts of the given sentence have been given as options. One of them may contain a grammatical error. Select the option that has the error. If there is no error, select 'No error'.
We cannot postpone discussion on this issue although it is urgent.
(a) We cannot postpone
(b) No error
(c) discussion on this issue
(d) although it is urgent.

140. Given below are four jumbled sentences. Select the option that gives their correct order forming a meaningful and coherent paragraph.
A. My mother, Vimala Kulkarni, told me similar words when I got married.
B. They were usually like: 'You must adjust to your new house and in-laws, try to learn how they eat and cook their food, go out of your way to be friendly and helpful to everybody,' etc.
C. When I was young, before a girl got married, her mother would give her some words of advice.
D. But along with this, she said something which helped me immensely in later life.
(a) BDAC   (b) CBAD
(c) CDBA   (d) ACBD

141. Select the misspelt word.
    (a) facetious   (b) exhilerated
    (c) officious   (d) conspicuous

142. Select the most appropriate option to improve the underlined segment in the given sentence. If there is no improvement required, select 'No improvement'.
    <u>Scarcely</u> he see his opponent than he went numb with fear.
    (a) No improvement   (b) As soon as
    (c) Hardly did   (d) No sooner did

143. Select the correct active form of the given sentence.
    The meal will have been made ready by the cook by the time you reach the guest house.
    (a) The cook will have made the meal ready by the time you reach the guest house.
    (b) The cook will be making the meal ready by the time you reach the guest house.
    (c) The cook will make the meal ready by the time you reach the guest house.
    (d) The cook have made the meal ready by the time you reach the guest house.

144. Select the correct passive form of the given sentence.
    Grow more trees.
    (a) Let more trees be grown.
    (b) You should grow more trees.
    (c) More trees should be growing.
    (d) More trees should grow.

145. Select the most appropriate option that can substitute the underlined segment in the given sentence to improve it. If no improvement is required, select 'No improvement required'.
    By next summer, I will have completed my internship and <u>will have returned to school.</u>
    (a) No improvement required
    (b) returned to school.
    (c) will return to school.
    (d) have returned to school.

146. Select the correct passive form of the given sentence.
    Our rivals must have spread this rumour.
    (a) This rumour must have been spread by our rivals.
    (b) This rumour must be spread by our rivals.
    (c) This rumour may have been spread by our rivals.
    (d) This rumour has been spread by our rivals.

147. Select the most appropriate option to substitute the given group of words.
    a legal document authorizing the police or another body to make an arrest or search premises
    (a) permit   (b) licence
    (c) decree   (d) warrant

148. Select the correct indirect form of the given sentence.
    Rani said to her boss, "I am going to visit Kashmir and Ladakh next month."
    (a) Rani informed her boss that she was going to visit Kashmir and Ladakh the following month.
    (b) Rani told her boss that I am going to visit Kashmir and Ladakh next month.

    (c) Rani informs her boss that she is going to visit Kashmir and Ladakh the next month.
    (d) Rani asked her boss that she wanted to visit Kashmir and Ladakh the following month.

149. Select the most appropriate option that can substitute the underlined segment in the given sentence to improve it. If no improvement is required, select 'No improvement required'.
    Effective communication is a skill <u>that can significant enhance</u> your personal and professional life.
    (a) which can significant enhanced
    (b) which can significantly enhancing
    (c) No improvement required
    (d) which can significantly enhance

150. Select the correct indirect form of the given sentence.
    I said to Prachi, "I visited Maldives last week ."
    (a) I told Prachi that I had visited Maldives last week.
    (b) I told Prachi that I have visited Maldives the previous week.
    (c) I told Prachi that I had visited Maldives the previous week.
    (d) I told Prachi that I visited Maldives last week.

DIRECTIONS (Q. 151-160): *In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.*

Days after Prime Minister Narendra Modi inaugurated the Ghaziabad priority 1. _____ of the Delhi-Meerut Rapid Rail Transit System (RRTS), the 2._____ of high-rise societies in the National Capital Region called for direct 3. _____ to the public transport service points. The residents in 4. _____ areas of Noida and Ghaziabad said they would be forced to continue 5. _____ on private vehicles without proper connectivity to the RRTS and 6. _____ public transport modes. "The RRTS is a great development; we want 7. _____ connectivity to key points like Metro stations, railway stations, Delhi, and the RRTS. 8. _____ any proper public transport, many residents are forced to opt 9. _____ a personal car," the president of the New Era Flat Owners Welfare Association, Abhishek Kumar,10. _____. The 17 km priority section of the Delhi-Ghaziabad-Meerut RRTS corridor was inaugurated by PM Modi on October 7, and it started commercial operations on the next day.

151. Select the most appropriate option to fill in the blank No. 1.
    (a) piece   (b) fragment
    (c) system   (d) section

152. Select the most appropriate option to fill in the blank No. 2.
    (a) tenants   (b) people
    (c) residents   (d) landlords

153. Select the most appropriate option to fill in the blank No. 3.
    (a) connecting   (b) connected
    (c) connect   (d) connectivity

154. Select the most appropriate option to fill in the blank No. 4.
    (a) lot
    (b) very
    (c) much
    (d) many
155. Select the most appropriate option to fill in the blank No. 5.
    (a) depended
    (b) depend
    (c) depending
    (d) depends
156. Select the most appropriate option to fill in the blank No. 6.
    (a) further
    (b) other
    (c) extra
    (d) another
157. Select the most appropriate option to fill in the blank No. 7.
    (a) successive
    (b) upright
    (c) consecutive
    (d) direct
158. Select the most appropriate option to fill in the blank No. 8.
    (a) In spite of
    (b) Without
    (c) With
    (d) Despite
159. Select the most appropriate option to fill in the blank No. 9.
    (a) for
    (b) of
    (c) to
    (d) on
160. Select the most appropriate option to fill in the blank No. 10.
    (a) said
    (b) professed
    (c) assumed
    (d) replied

DIRECTIONS (Q. 161-170): *In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.*

The door behind them was 1._____. There was no escape. A strange light was 2. _____ from a corner, one that did not 3. _____ the room but made darkness visible. 4._____ alien voice was heard which sounded like jargon, 5. _____ to the hapless friends. They went down 6. _____ their knees sobbing, pleading for their lives but the 7. _____ sounds continued. Slowly, a form seemed to 8._____ right before their eyes which 9._____ their blood and chilled their 10._____. It was formless mass with no face!

161. Select the most appropriate word to fill blank no. 1
    (a) unbolted
    (b) sealed
    (c) vacant
    (d) ajar
162. Select the most appropriate word to fill blank no. 2
    (a) emanating
    (b) commencing
    (c) preceding
    (d) reclining
163. Select the most appropriate word to fill blank no. 3
    (a) ignite
    (b) extinguish
    (c) kindle
    (d) illuminate
164. Select the most appropriate word to fill blank no. 4
    (a) A
    (b) An
    (c) Any
    (d) The
165. Select the most appropriate word to fill blank no. 5
    (a) invincible
    (b) indelible
    (c) incomprehensible
    (d) incorrigible
166. Select the most appropriate word to fill blank no. 6
    (a) at
    (b) in
    (c) on
    (d) by
167. Select the most appropriate word to fill blank no. 7
    (a) bizarre
    (b) familiar
    (c) customary
    (d) regular

168. Select the most appropriate word to fill blank no. 8
    (a) assume
    (b) derive
    (c) extract
    (d) emerge
169. Select the most appropriate word to fill blank no. 9
    (a) curdled
    (b) spilled
    (c) locked
    (d) flowed
170. Select the most appropriate word to fill blank no. 10
    (a) bones
    (b) eyes
    (c) head
    (d) skin

DIRECTIONS (Q. 171-180): *Read the passage and answer the questions that follow.*

My path to the house was by no means an easy one. After confused wanderings through tangled hedges, struggling with obstacles that looked strange to me in the surrounding gloom, I arrived in front of a long, low building. There, to my astonishment, I found doors and windows open to the pervading mist, except for one square window through which a light shone from a row of candles on a long mahogany table. The quiet and apparent emptiness of this odd and picturesque building made me pause. I am not much affected by the appearance of things, but this silent place, with its sinister atmosphere, made me feel uneasy. I was about to reconsider and go back to the road, when a second look at the comfortable interior I was leaving, convinced me that I was being foolish and sent me straight back to the door which stood open so invitingly.

But half-way up the path, my progress was halted by the sight of a man coming out of the house that I had wrongly assumed to be empty. He seemed to be in a hurry and, at the moment when I first saw him, was busy putting his watch back in his pocket. He did not shut the door behind him, which I thought odd, especially as he had been looking behind him. He seemed to take in all the details of the place he was so hurriedly leaving. As we met, he raised his hat. This also struck me as unusual, for he displayed more respect than that usually shown to strangers. I was further puzzled that he showed little surprise at bumping into another person in these remote, misty surroundings. Indeed, he was so little impressed by my being there that he nearly passed me without a word or any other hint of greeting, except the raising of his hat. But this did not satisfy me. I was hungry, cold, and eager for creature comforts, and the house before me offered not only warmth, but gave out an inviting smell of food being cooked which was difficult to ignore.

171. Which of these can be inferred about the narrator?
    (a) He was thankful.
    (b) He was foolish.
    (c) He was a coward.
    (d) He was observant.
172. Why was the narrator shocked when he reached the building?
    (a) The house was gloomy and seemed haunted.
    (b) The narrator was welcomed by a stranger.
    (c) The doors and windows were open in the misty weather.
    (d) The interiors were inviting despite the ominous atmosphere.

173. The given extract is
    (a) a travelogue   (b) a report
    (c) a narrative   (d) a biography
174. Select the most appropriate meaning of the word 'pervading' as used in the passage.
    (a) spreading   (b) receding
    (c) eerie   (d) immortal
175. Which of these statements is NOT true?
    (a) The narrator first contemplated going back to the road.
    (b) The stranger was in a hurry to leave the building.
    (c) The narrator was seeking food and shelter.
    (d) The stranger leaving the house was its owner.
176. Select the correct meaning of 'implement' as used in the passage.
    (a) inculcate   (b) coordinate
    (c) enforce   (d) commence
177. The new education system has shifted focus on
    (a) social and aesthetic development
    (b) intellectual development
    (c) academic development
    (d) spiritual development
178. What is the passage mainly about?
    (a) Preparing students for survival in the real world
    (b) Importance of teaching soft skills to students
    (c) The need to change the education system in 21st century
    (d) Participation of students in extra-curricular activities
179. What has hindered the development of students?
    (a) expanding academics to the outside world
    (b) getting out into the field
    (c) not gaining practical experience
    (d) indulging in co-curricular activities
180. Which of these does NOT provide industry exposure to students of business
    schools?
    (a) text books   (b) conferences
    (c) industrial visits   (d) guest lectures

DIRECTIONS (Q. 181-190): *In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Read the following passage and answer the questions given after it.*

In the pre-dawn tranquillity of the Andaman Sea, a seismic tremor struck, momentarily agitating the ocean's placid surface. The Andaman and Nicobar Islands, an archipelago in the Bay of Bengal, felt the earth beneath them shudder at 5:50 a.m. on Friday. According to the National Centre for Seismology (NCS), a 4.2 magnitude earthquake occurred at a depth of 10km, its epicentre originating from a seismically active region beneath the sea. No casualties or damages have been reported. Earthquakes, like the one experienced in the Andaman Sea, are stark reminders of the Earth's ever-shifting tectonic plates. These seismic events result from the sudden release of energy in the Earth's crust, creating seismic waves that cause the ground to shake. The intensity and impact of an earthquake depends on various factors, including its magnitude, depth, and proximity to populated areas. The Andaman and Nicobar Islands are located in a region where several tectonic plates converge, including the Indian Plate, the Burma Plate, and the Sunda Plate. The interaction of these plates leads to frequent earthquakes and volcanic activity. With its 4.2 magnitude, the recent earthquake is considered moderate, but its occurrence in this seismically active region serves as a reminder of the unpredictable and potentially devastating nature of such events. The NCS, the nodal agency of the Government of India, is responsible for monitoring earthquake activity in the country. Using a network of seismographs, the NCS collects and analyses data from seismic events to provide accurate information to the public and relevant authorities. This data helps scientists understand patterns and trends, leading to a better understanding of earthquake behaviour and potential risks. Earlier this week, Maharashtra's Satara district was also shaken by a 3.3 magnitude earthquake. While these events seem isolated, they form part of a broader pattern of seismic activity across the region. The Andaman and Nicobar Islands have experienced several significant earthquakes in the past, including a 5.8 magnitude earthquake in 2021. The potential consequences of earthquakes can be devastating, causing loss of life and extensive damage to infrastructure. It is therefore vital to have effective early warning systems and disaster management strategies in place. While the 4.2 magnitude earthquake in the Andaman Sea did not result in any casualties or damages, it underscores the importance of continued investment in earthquake preparedness and resilience measures, particularly in seismically active regions like the Andaman and Nicobar Islands.

181. Which of the following is NOT one of the themes of the above passage?
    (a) Loss of life in Andaman and Nicobar
    (b) unannounced tremors and tangible risks
    (c) seismic tremors in Andaman Sea
    (d) tracking seismic activity
182. "it underscores the importance of continued investment in earthquake preparedness'
    Here 'underscores' means
    (a) emphasises   (b) mitigates
    (c) undermines   (d) extenuate
183. When were the tremors felt in the Andaman and Nicobar Islands?
    (a) before the sunrise
    (b) in the afternoon
    (c) at night
    (d) after the sunset
184. Which of the following is an odd-man out regarding the tectonic plates in Andaman
    region?
    (a) Burma Plates   (b) Satara Plates
    (c) Sunda Plates   (d) India Plates
185. Which of the following is a necessity in Andaman and Nicobar region?

(a) to make the people aware of the tectonic plates and their impact
(b) to evacuate people from the islands
(c) to collect and analyse data from seismic events
(d) to install early warning systems and have disaster management strategies in place

186. What did the early Roman historians use to fill up details in the historical accounts of events?
(a) Roman and Greek folklore
(b) texts of laws and treaties
(c) religious records
(d) list of annual magistrates

187. The passage is mainly about
(a) the ancient documentation of Roman history
(b) the ancient Roman and Greek histories
(c) Rome's first native historian
(d) the use of myths and folklore in ancient Roman history

188. "extant are also Books 21.   to 45" here the word 'extant' means
(a) partially lost   (b) lost forever
(c) still existing   (d) enlarged

189. After reading the passage, it can be inferred that it is an extract from
(a) a news report
(b) an encyclopaedic entry on ancient Rome
(c) a report on Roman conquests
(d) a book on archaeology

190. Which period in ancient Roan history is most poorly documented?
(a) 27 BC- AD 14
(b) 218 BC to 167 BC
(c) 218–201 BC
(d) 509–280 BC

DIRECTION (Q. 191-195): *Read the passage and answer the questions that follow.*

A fact that draws our attention is that, according to his position in life, an extravagant man is either admired or loathed. A successful business man does nothing to increase his popularity by being prudent with his money. A person who is wealthy is expected to lead a luxurious life and to be lavish with his hospitality. If he is not so, he is considered mean, and his reputation in business may even suffer in consequence. The paradox remains that he had not been careful with his money in the first place; he would never have achieved his present wealth.

Among the low income group, a different set of values exists. The young clerk, who makes his wife a present of a new dress when he has not paid his house rent, is condemned as extravagant. Carefulness with money to the point of meanness is applauded as a virtue. Nothing in his life is considered more worthy than paying his bills. The ideal wife for such a man separates her housekeeping money into joyless little piles – so

much for rent, for food, for the children's shoes, she is able to face the milkman with equanimity every month, satisfied with her economizing ways , and never knows the guilt of buying something she can't really afford . As for myself, I fall neither of these categories. If I have money to spare I can be extravagant, but when, as is usually the case, I am hard up and then I am the meanest man imaginable.

191. Select the antonym of 'loathed' as used in the passage.
(a) cursed   (b) shunned
(c) adored   (d) despised

192. Which of these is NOT true?
(a) People who lead a luxurious life are expected to entertain lavishly.
(b) A low-income person is considered worthy if he pays bills on time.
(c) The author is at liberty to be extravagant at all times.
(d) The rich amass wealth by spending money economically.

193. The word 'equanimity' in the passage means
(a) tranquillity   (b) frustration
(c) anxiety   (d) agitation

194. If a successful businessman is judicious with his money
(a) his business flourishes
(b) his reputation suffers
(c) his popularity rises
(d) his prestige improves

195. Which of these can be inferred from the passage?
(a) Extravagance is applauded in some and condemned in others.
(b) Wealthy people are stingy as far as philanthropy is concerned.
(c) For the wealthy, prudence with money is considered a virtue.
(d) People who have a meagre income are expected to be spendthrifts.

DIRECTION (Q. 196-200): *In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.*

196. Select the most appropriate option to fill in the blank No. 1.
(a) situated   (b) appeared
(c) found   (d) established

197. Select the most appropriate option to fill in the blank No. 2.
(a) witnessing   (b) witness
(c) witnesses   (d) witnessed

198. Select the most appropriate option to fill in the blank No. 3.
(a) before   (b) since
(c) when   (d) on

199. Select the most appropriate option to fill in the blank No. 4.
(a) guests   (b) visitors
(c) invitees   (d) callers

200. Select the most appropriate option to fill in the blank No. 5.
(a) tall   (b) tallest
(c) most tallest   (d) taller

HINTS & EXPLANATIONS

1. **(c)** This is an example of parajumbles and sentence rearrangement. This refers to putting the sentences in a logical sequence that would make it look meaningful and grammatically correct. Following sentence 1, it talks about the leaves of the plants through sentence C. Hence follow sentences A, D and B.

2. **(b)** The ticket collector said to the passenger, "Why didn't you purchase a full ticket for your daughter?" This is an example of direct speech in which the words spoken by the speaker or writer are reported directly as said by the speaker. The words are always put inside inverted commas.

3. **(c)** Active voice is defined as set of forms of a verb in which the subject is typically the person or thing performing the action and which can take a direct object. In this sentence, the subject is (them) and the action is (inviting to join the club).

4. **(a)** You said that Priya kept watching television till her mother exploded at her.
   This is an example of indirect form of speech wherein it is only the report of something that was said or written which is conveyed, rather than the subject's dialogue.

5. **(b)** The suitable antonym of deplore is praise. The word, 'deplore' means to feel or say that something is morally bad. While, 'praise' refers to what one says when one expresses admiration for somebody/someone. The meanings of remaining words is as follows:
   Mourn: to feel and show great sadness, especially when someone has passed away
   Dislike: to think that somebody/something is unpleasant
   Hate: to have a very strong feeling of not liking somebody/something at all

6. **(c)** This is an example of spotting the errors. In this sentence, since it is an unspecific thing, the article 'a' will be used before 'rather improbable'. The sentence will be framed as- "Two elderly gentlemen told the police a rather improbable story to mislead the police personnel."

7. **(b)** Passive voice is a set of forms of a verb in which the subject undergoes the action of the verb. In this sentence, the subject (you) is undergoing an action of a verb (being accompanied).

8. **(a)** This is an example of parajumbles and sentence rearrangement. This refers to putting the sentences in a logical sequence that would make it look meaningful and grammatically correct. Here, after sentence A, which opens the paragraph, the second sentence talks about a man who walks inside a government office. He asked a question (evident from sentence C) to which he was given a response (sentence E). He then moved to his destination.

9. **(b)** The most appropriate synonym for mundane is 'ordinary'. It is also the exact meaning of mundane. The remaining words are explained below:
   Abnormal: different from what is normal or usual, in a way that worries you or that is unpleasant
   Wonderful: extremely good
   Exciting: causing strong feelings of pleasure and interest

10. **(d)** The most appropriate antonym for taciturn is 'loquacious'. Taciturn refers to a tendency of not speaking much in a way that may seem unfriendly. While loquacious is its antonym meaning to have a tendency to talk a lot. The remaining words are explained below:
    Laconic: using only a few words to say something
    Reticent: not wanting to tell people about things
    Withdrawn: very quiet and not wanting to talk to other people

11. **(d)** This is an example of parajumbles and sentence rearrangement. This refers to putting the sentences in a logical sequence that would make it look meaningful and grammatically correct. Here, sentence C starts the paragraph, followed by sentences D, B and A. It starts with a story about how a man borrowed a cauldron from his neighbour and returned it with a pot inside. The curious neighbour then enquires about it.

12. **(a)** This is an example of parajumbles and sentence rearrangement. This refers to putting the sentences in a logical sequence that would make it look meaningful and grammatically correct. Here, sentence A starts the paragraph, followed by sentences D, C and B. The sentences talk about the belief that Egyptians had regarding the body and soul.

13. **(a)** This is an example of parajumbles and sentence rearrangement. This refers to putting the sentences in a logical sequence that would make it look meaningful and grammatically correct. Here, sentence A starts the paragraph, followed by sentences D, B and C. The sentences talk about a story of the district Marshal who had come in a carriage to meet Gryabov, a landowner.

14. (c) This is an example of fill in the blanks and cloze test. The most appropriate option that would complete the sentence is 'had examined'. The complete sentence will now be- "Gautamhad examined all the documents by the time his senior advocate reached the court."

15. (d) This is an example of spotting the error and then arranging the sentence in a logical and grammatically correct way. The correct sentence would be read as- "Your mother prepares delicious food, doesn't she?"

16. (b) This is an example of spotting the errorand then arranging the sentence in a logical and grammatically correct way. The correct sentence would be read as- "She decided to marry him in spite of his habit of spending recklessly."

17. (c) This is an example of parajumbles and sentence rearrangement. This refers to putting the sentences in a logical sequence that would make it look meaningful and grammatically correct. Here, sentence A starts the paragraph, followed by sentences B, D and C. The paragraph talks about houses, specially a cottage while describing its features.

18. (b) This is an example of spotting the error and then arranging the sentence in a logical and grammatically correct way. The sentence will be correctly formed as- "I will definitely accept the responsibility when the time comes."

19. (d) This is an example of simple past tense where the action has been already completed in a time before now. Hence the word 'gave' will be used here. The correct sentence will be- "She gave a brilliant performance last week."

20. (a) This is an example of parajumbles and sentence rearrangement. This refers to putting the sentences in a logical sequence that would make it look meaningful and grammatically correct. Here, as the first sentence begins, it talks about a vacation. The following sentences will be options D, B, C and A. The paragraph discusses how the vacation was planned, but could not materialize.

21. (d) This is an example of sentence improvement and transformation. The underlined part of this sentence helps to grasp the context and verb tense of the event spoken about. The grammatically correct sentence would be- "Passengers travelling by air are prohibited from carrying sharp objects in cabin baggage."

22. (c) This is an example of indirect form of speech wherein it is only the report of something that was said or written which is conveyed, rather than the subject's dialogue.

23. (b) The meaning of the idiom, 'bring to book' is to punish someone for an offence or explain their behaviour officially.

24. (c) Active voice is defined as set of forms of a verb in which the subject is typically the person or thing performing the action and which can take a direct object. In this sentence, the subject is (workers) and the action is (satisfaction of empty promises).

25. (c) This is an example of indirect form of speech wherein it is only the report of something that was said or written which is conveyed, rather than the subject's dialogue.

26. (d) This is an example of fill in the blanks and cloze test. The complete sentence will be- "He gazed around the room wherein lay hidden a treasure chest."

27. (b) The scientists of ISRO successfully carried out the test flight of Gaganyan.
Active voice is defined as set of forms of a verb in which the subject is typically the person or thing performing the action and which can take a direct object. In this sentence, the subject is (scientists) and the action is (carrying out Gaganyan's test flight).

28. (d) This is an example of fill in the blanks and cloze test. The complete sentence will be- "Each one of the participants in the annual function deserves an applause." Also, the subject and verb are in agreement with each other.

29. (c) The election dates for different states were announced by the Election Commission.
Passive voice is a form or set of forms of a verb in which the subject undergoes the action of the verb. In this sentence, the subject is (election dates) and the verb is (announcing the dates).

30. (b) This is an example of parajumbles and sentence rearrangement. This refers to putting the sentences in a logical sequence that would make it look meaningful and grammatically correct. Here, the paragraph talks about the challenges that the girl faced while she was the only one among a class of boys.

31. (a) The old man said, "O God, help me in my hour of sorrow." Direct speech is a word-to-word repetition of what a speaker or writer has conveyed.

32. (c) Active voice is a form or set of forms of a verb in which the subject is typically the person or thing performing the action and which can take a direct object.

33. (d) The idiom, 'loose your marbles' means to become insane.

34. (c) "Alas! How foolishly I have acted," she said. Direct speech is a word-to-word repetition of what a speaker or writer has conveyed.