SSC CGL Examination

Grand Test

Questions: 200   Time: 2 hours   Max marks: 200

Directions (Q.1-3): From the given alternative words, select the word which cannot be formed using the letters of the given word.

1. CONSTITUTIONAL
   a) LOCATION   b) TUITION
   c) TALENT   d) CONSULT

2. VARIEGATED
   a) TRAVEL   b) TRADE
   c) GREAT   d) RIGVEDA

3. UNDERESTIMATED
   a) TIMER   b) ESTEEM
   c) EARTH   d) DIRT

4. If R is denoted by N, D is denoted by T, I by U, O by I, E by R, T by O, U by D, N by C and C by E, then how will the word INTRODUCE be written?
   a) UCONIDTER   b) UCONITDER
   c) UCONTIDER   d) UCOINTDER

5. In a certain code, TEACHER is written as VGCEJGT. How is CHILDREN written in that code?
   a) EJKNEGTP   b) EGKNFITP
   c) EJKNFGTO   d) EJKNFTGP

6. In a certain code language, RUSTICATE is written as QTTUIDBSD. How would STATISTIC be written in that code?
   a) RSBUJTUHB   b) RSBUITUHB
   c) RSBUIRSJD   d) TUBUITUMB

Directions (Q.7-8): Which of the following interchange of signs would make the given equation correct?

7. $5 + 3 \times 8 - 12 \div 4 = 3$
   a) + and −   b) − and ÷
   c) + and ×   d) + and ÷

8. $12 \div 2 - 6 \times 3 + 8 = 16$
   a) ÷ and +   b) − and +
   c) × and +   d) ÷ and ×

9. If \$ means +, # means −, @ means × and ∗ means ÷, then what is the value of 16 \$ 4 @ 5 # 72 ∗ 8.
   a) 25   b) 27   c) 29   d) 36

Directions (Q.10-15): Select the related letter/word/number from the given alternatives.

10. Giant : Dwarf : : Genius : ?
    a) Wicked   b) Gentle
    c) Idiot   d) Tiny

11. Vigilant : Alert : : Viable :?
    a) Active   b) Hopeless
    c) Feasible   d) Useful

12. BEGK is related to ADFJ in the same way as PSVY is related to............?
    a) LOQT   b) ROUX
    c) OTUZ   d) ORUX

13. ABCD : NPRT : : FGHI :?
    a) KLMN   b) OQRT
    c) RTUW   d) SUWY

14. 3 : 11 : : 7 :?
    a) 22   b) 29   c) 18   d) 51

15. 9 : 80 : : 100 :?
    a) 901   b) 1009   c) 9889   d) 9999

Directions (Q.16-21): Select the one which is different from the other three responses.

16. a) Lion   b) Tiger
    c) Giraffe   d) Horse

17. a) Parrot   b) Bat
    c) Sparrow   d) Pigeon

18. a) CZHK   b) MLAG
    c) XUBU   d) SENO

19. a) AUgPZ   b) MXiDV
    c) KFeCO   d) YGLhT

20. a) 50-66 b) 32-48
    c) 64-80 d) 63-77

21. a) 1 (5) 2 b) 2 (20) 4
    c) 5 (61) 6 d) 3 (17) 4

22. Arrange the following in a meaningful sequence:
    1. Consultation 2. Illness
    3. Doctor 4. Treatment
    5. Recovery
    a) 2, 3, 1, 4, 5 b) 2, 3, 4, 1, 5
    c) 4, 3, 1, 2, 5 d) 5, 1, 4, 3, 2

23. Arrange the following in a logical order:
    1. Frog 2. Eagle
    3. Grasshopper 4. Snake
    5. Grass
    a) 1, 3, 5, 2, 4 b) 3, 4, 2, 5, 1
    c) 5, 3, 1, 4, 2 d) 5, 3, 4, 2, 1

Directions (Q.24-27): A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

24. A, C, F, J, O, ?
    a) P b) O c) U d) V

25. ABD, DGK, HMS, MTB, SBL, ?
    a) ZKU b) ZKW c) ZAB d) XKW

26. 1, 6, 15, ?, 45, 66, 91
    a) 25 b) 26 c) 27 d) 28

27. 4, 8, 28, 80, 244, ?
    a) 278 b) 428 c) 628 d) 728

Directions (Q.28-30): Select the missing number from the given responses.

28.

18	24	32
12	14	16
3	?	4
72	112	128

a) 2 b) 3 c) 4 d) 5

29.

F	I	O
A	J	K
E	M	?

a) P b) R c) S d) V

30.

13	12	5
17	15	8
25	24	?
29	21	20

a) 7 b) 9 c) 11 d) 15

31. Four friends from sixth grade were sharing a pizza. They decided that the oldest friend would get the extra piece. A is two months older than B, who is three months younger than C. D is one month older than B. Who should get the extra piece of pizza?
    a) A b) B c) C d) D

32. One day, Ravi left home and cycled 10 km southwards, turned right and cycled 5 km and turned right and cycled 10km and turned left and cycled 10 km. How many kilometres will he have to cycle to reach his home straight?
   a) 10 km b) 15 km
    c) 20 km d) 25 km

33. In a four-day period Monday through Thursday, each of the following temporary office workers worked only one day, each a different day. W was scheduled to work on Monday, but she traded with X, who was originally scheduled to work on Wednesday. Y traded with Z who was originally scheduled to work on Thursday. After all the switching was done, who worked on Tuesday?
    a) X b) Y c) W d) Z

34. It being given that: > denotes +, < denotes –, + denotes ÷, – denotes =, = denotes < and × denotes >, find which of the following is a correct statement.
    a) 3 + 2 > 4 = 9 + 3 < 2

b) $3 > 2 > 4 = 18 + 3 < 1$
c) $3 > 2 < 48 + 4 < 2$
d) $3 + 2 < 49 + 3 < 3$

35. A man is facing west. He turns 450 in the clock wise direction and then another 1800 in the same direction and then 2700 in the anti-clockwise direction. Which direction is he facing now?
a) South
b) North-west
c) West
d) South-west

36. Kunal walks 10km towards North. From there he walks 6 km towards South. Then, he walks 3 km to wards East. How far and in which direction is he with reference to his starting point?
a) 5 km West
b) 7 km West
c) 7 km East
d) 5 km North-east

Directions (Q.37-38): Two/four statements are given followed by two/four conclusions I, II, III and IV. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any follow from the given statements.

37. **Statements:**
All politicians are honest.
All honest are fair.
Conclusiosns :
I. Some honest are politicians.
II. No honest is politician.
III. Some fair are politicians.
IV. All fair are politicians
a) None follows
b) Only I follows
c) Only I and II follow
d) Only I and III follow

38. **Statements:**
Some bags are pockets.
No pocket is a pouch.
Conclusiosns:
I. No bag is a pouch
II. Some bags are not pouches.
III. Some pockets are bags.
IV. No pocket is a bag
a) None follows

b) Only I and III follow
c) Only II and III follow
d) Only either I or IV follows

39. Which of the following cubes can created by folding the given figure?

40. How many dots lie opposite the face having three dots, when the given figure is folded to form a cube?

a) 2
b) 4
c) 5
d) 6

41. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a equilateral triangle.

a) 234
b) 134
c) 345
d) 245

Study the figure carefully and answer the given (42-44)questions.

Here, big triangle represents artists, small triangle represents scientists, rectangle represents dancers and circle represents doctors.

42. Which letter represents the artists who are doctors and dancers only?
a) A
b) D
c) G
d) H

43. Which letters represent the artists who are neither scientists nor doctors?
a) A and B   b) A and L
c) B and G   d) L and H

44. Which letters represent the artists who are neither doctors nor scientists nor dancers
a) A and D   b) C and A
c) C and D   d) G and H

Directions (Q.45-46): Which answer figure will complete the pattern in the question figure?
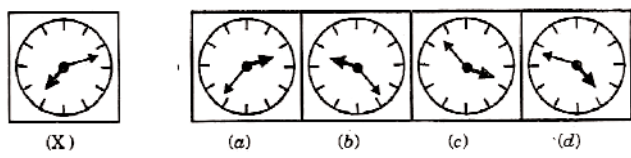
45.

46.
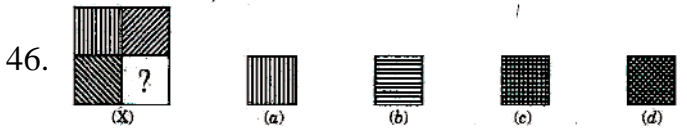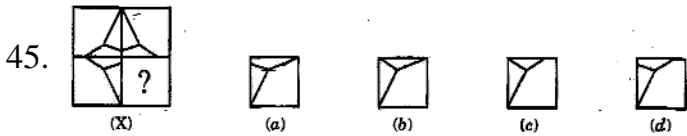
47. From the given answer figures, select the one in which the question figure (X) is hidden/embedded.
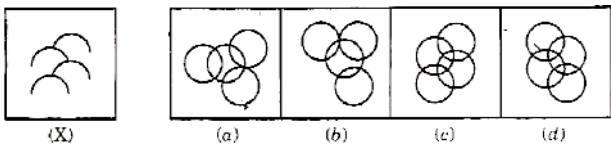
48. A piece of paper is folded and punched as shown below in the quesion figures. From the given answer figures, indicate how it will appear when opened?
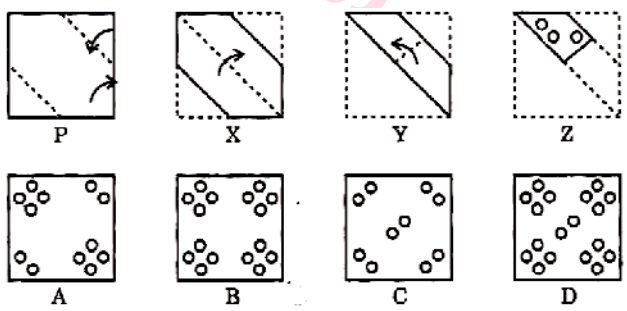
49. Which of the answer figures is exactly the mirror image of the given pattern of numbers when the mirror is held.

50. Choose the correct water-image of the Fig.(X) from amongst the four alternatives (a), (b), (c) and (d) given along with it.
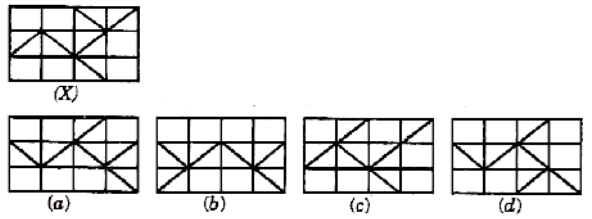
51. The study of fossil evidence of human evolution is known as-
a) Paleopathology
b) Primatology
c) Paleoanthropology
d) Prehistoric Archaeology

52. Which one of the following pairs is not correctly matched?
a) Banawali - Haryana
b) Daimabad - Maharashtra
c) Dholavira - Gujarat
d) Rakhigarhi - Rajasthan

53. Match List-I with List-II and select the correct answer from the code given below:

List-I	List-II
(A) Filtration Theory	(i) Vernacular education
(B) Haileybury College	(ii) Study of languages
(C) Wood's Education	(iii) English education Despatch
(D) Fort William College	(iv) Indian Civil Servants

Codes :

	(A)	(B)	(C)	(D)
(a)	(ii)	(i)	(iii)	(iv)
(b)	(iii)	(iv)	(ii)	(i)
(c)	(iii)	(iv)	(i)	(ii)
(d)	(iii)	(ii)	(iv)	(i)

54. Match List-I with List-II and select the correct answer from the code given below:

List-I (Leaders)	List-II (Political Concepts)
(A) Tilak	(i) Atmashakti
(B) Aurobindo	(ii) Swaraj
(C) Gandhi	(iii) Panchasheel
(D) Nehru	(iv) Harijan

Codes:

	(A)	(B)	(C)	(D)
(a)	(i)	(iii)	(ii)	(iv)
(b)	(ii)	(i)	(iv)	(iii)
(c)	(ii)	(iii)	(i)	(iv)
(d)	(i)	(iv)	(iii)	(ii)

55. Who wrote NIL DARPAN?
    a) Bankimchandra Chatterjee
    b) Ishwarchandra Vidyasagar
    c) Rabindranath Tagore
    d) Dinabandhu Mitra

56. Which is the correct chronology?
    a) Chalukya, Hoysala, Gandhara, Chola.
    b) Gandhara, Chalukya, Chola, Hoysala.
    c) Chola, Hoysala, Chalukya, Gandhara.
    d) Hoysala, Chola, Gandhara, Chalukya.

57. Which of the following movement was associated with 'Non-Cooperation movement?
    a) Khilafat movement
    b) Bhakti movement
    c) Chipko movement
    d) Suffrage movement

58. Among the following women nationalists, who was closely associated with Quit India Movement.
    a) Aruna Asaf Ali
    b) Annie Besant
    c) Durgabai Deshmukh
    d) Vijayalakshmi Pandit

59. Which of the important aspects of new Panchayat Raj is correct?
    a) District level planning
    b) More powers to Panchayats
    c) Reservation for women
    d) All the above

60. Which term was not the part of the preamble of the original constitution of India?
    a) Republic   b) Sovereign
    c) Political Justice d) Secular

61. Which writ can be issued by the court to the public servant to perform the duties attached to his offices?

a) Quo Warranto   b) Certiorari
c) Mandamus   d) None of the above

62. What is the status of the right to property in India?
    a) Fundamental Right
    b) Constitutional Right
    c) Statutory Right
    d) Economic Right

63.

List-I	List-II
(A) Amendment of Constitution	(i) Article 368
(B) Universal adult suffrage	(ii) Article 326
(C) Ministerial responsibility	(iii) Article 75
(D) Fundamental Duties	(iv) Article51-A

Codes:

	(A)	(B)	(C)	(D)
(a)	(iii)	(iv)	(i)	(ii)
(b)	(i)	(ii)	(iii)	(iv)
(c)	(ii)	(iii)	(i)	(iv)
(d)	(iv)	(iii)	(ii)	(i)

64. Match the following Ecology movements and their places of origin:

(A) Appiko movement	(i) Kerala
(B) Silent valley	(ii) Madhya Pradesh
(C) Narmada Bachao	(iii) Kenya
(D) Green belt movement	(iv) Western Ghats

Codes:

	(A)	(B)	(C)	(D)
(a)	(iv)	(ii)	(iii)	(i)
(b)	(iv)	(iii)	(ii)	(i)
(c)	(iii)	(iv)	(ii)	(i)
(d)	(iv)	(i)	(ii)	(iii)

65. Which one of the following is not an instrument of fiscal policy?
    a) Public Revenue
    b) Public Expenditure
    c) Public Borrowing
    d) Cash Reserve Ratio

66. Who is Director General of WTO?
    a) Roberto Azevedo   b) Lamy Pascal

c) Supchai Panchpakdi

d) Peter Sutherland

67. The Human Development Index was first developed by
   a) UNDP
   b) IMF
   c) UNICEF
   d) UNCTAD

68. Which of the following countries is a member of the ASEAN Group?
   a) China
   b) India
   c) Sri Lanka
   d) Thailand

69. The Commercial Banks in India are governed by
   a) Reserve Bank of India Act, 1934 only
   b) Indian Companie's Act, 1956
   c) Indian Banking Regulation Act, 1949 & Reserve Bank of India Act, 1934
   d) Securities and Exchange Board of India Act, 1992

70. In the last one decade, which one among the following sectors has attracted the highest foreign direct investment inflows into India?
   a) Chemicals other than fertilizers
   b) Services sector
   c) Food processing
   d) Telecommunication

71. If the cash reserve ratio is lowered by the RBI, its impact on credit creation will -
   a) Increase it
   b) Decrease it
   c) No impact
   d) None of the above

72. In India, the States earn maximum revenue through-
   a) Land revenue
   b) Custom revenue
   c) Commercial taxes
   d) Excise duties on intoxicants

73. Our financial system has provided for the transfer of resources from the centre to the states; the important means of resource transfer are-
   a) Tax sharing
   b) Grant-in-aids
   c) Loans
   d) All the above

74. Which is the highest gallantry award in India?
   a) Param Vishishtat Seva Medal
   b) Param Vir Chakra
   c) Kirti Chakra
   d) Vir Chakra

75. Who is the first Asian Winner of Nobel Prize?
   a) C. V. Raman
   b) Rajiv Gandhi
   c) Rabindranath Tagore
   d) Mother Theresa

76. The first recipient of Rajiv Gandhi's 'Khel Ratna' award is
   a) Vishwanathan Anand
   b) Leander Peas
   c) Kapil Dev
   d) Limba Ram

77. Pulitzer prize is awarded for outstanding work in the field of
   a) Science and Technology
   b) Environmental Studies
   c) Literature and Journalism
   d) International Understanding

78. A cultivation technique in which an area of forest is cut down, and then burned for crop production is known as:
   a) Horticulture
   b) Shifting agriculture
   c) Irrigation agriculture
   d) Settled agriculture

79. The "Agenda 21" was adopted in which of the following conventions?
   a) Stockholm convention
   b) Rio-Earth summit
   c) Rotterdam convention
   d) Ramsar convention

80. Match the association of the following ethnic groups in List – I with the List – II and find the correct answer from the codes given below :

List – I	List – II
(A) Masai	(i) African grassland
(B) Bhils	(ii) North-East India

(C) Bushman   (iii) Kalahari

(D) Kukis   (iv) Rajasthan

Codes:

	(A)	(B)	(C)	(D)
(a)	(ii)	(i)	(iii)	(iv)
(b)	(i)	(ii)	(iii)	(iv)
(c)	(iii)	(i)	(ii)	(iv)
(d)	(i)	(iv)	(iii)	(ii)

81. Which of the following pair is not correctly matched regarding National Parks and their locations?
    a) Nilgiris in Tamil Nadu
    b) Sunderbans in West Bengal
    c) Nanda Devi in Uttar Pradesh
    d) Kanha in Rajasthan

82. Among the countries mentioned below, arrange most populous countries in descending order.
    a) China, India, U.S.A., Indonesia.
    b) China, India, Indonesia, U.S.A.
    c) India, China, Indonesia, U.S.A.
    d) U.S.A., Indonesia, India, China.

83. A man with blood group B marries a woman having AB blood group. What would be the blood group of their children?
    a) A   b) B
    c) AB   d) All of these

84. Identify the correct sequence.
    a) Canine → Incisor → Premolar → Molar
    b) Incisor → Canine → Premolar → Molar
    c) Premolar → Molar → Canine → Incisor
    d) Incisor → Premolar → Canine → Molar

85. Natural selection is best described as:
    a) Survival of the fittest
    b) The struggle for survival
    c) Differential effective fertillty
    d) Rejection of the unfit

86. Identify the correct sequence:
    a) Primate - Mammalia - Hominidae - Homo sapiens
    b) Mammalia - Hominidae - Homo sapiens - Primate
    c) Hominidae- Homo sapiens - Primate - Mammalia

    d) Mammalia - Primate - Hominidae - Homo sapiens

87. Arrange the cells in an ascending order as per their size :
    a) RBC, WBC, Platelets
    b) WBC, Platelets, RBC
    c) RBC, Platelets, WBC
    d) Platelets, RBC, WBC

88. An organism which feeds mostly on fruits is called
    a) Omnivorous   b) Carnivorous
    c) Frugivorous   d) Herbivorous

89. Identify the correct sequence in descending order:
    a) Species – Subspecies – Populations – Individuals
    b) Subspecies – Species – Populations – Individuals
    c) Individuals – Subspecies – Species – Populations
    d) Populations – Individuals – Subspecies – Species

90. Plants which grow on saline soils are
    a) Xerophytes   b) Hydrophytes
    c) Halophytes   d) Succulents

91. Water has its maximum density at:
    a) $100^{o}C$ b) $4^{o}C$ c) $0^{o}C$ d) $-4^{o}C$

92. Why do you feel cool under a tree but not so under a tin shed on a sunny day?
    a) The greenness of the tree gives the cool feeling
    b) Photosynthesis absorbs heat
    c) The leaves convert water vapours into water which is a heat absorbing process.
    d) The leaves give out water which vaporizes absorbing some heat as latent heat

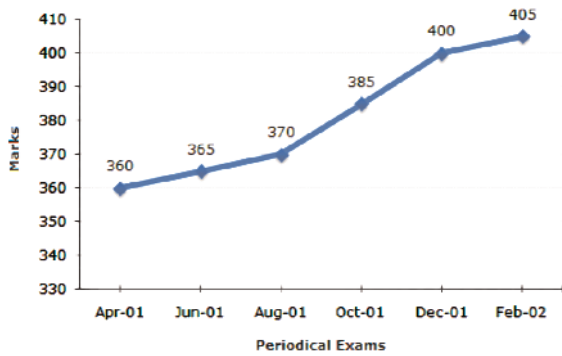93. At higher altitudes water boils at the temperature lower than $100^{o}C$ because:
    a) Due to lesser atmospheric pressure boiling point of water lowers
    b) The gravitational pull is lesser here
    c) The winds on the mountains are stormy

d) None of these

94. Sound is a:
   a) transverse mechanical wave
   b) longitudinal mechanical wave
   c) transverse non-mechanical wave
   d) longitudinal non-mechanical wave

95. The temperature of the body of a healthy man is:
   a) 37° C   b) 37° F
   c) 98.4^o C   d) 98.4^o K

96. Biogas is composed of?
   a) Ethane, Carbondioxide, Hydrogen, Nitrogen
   b) Methane, Carbondioxide, Hydrogen, Nitrogen
   c) Methane, Carbondioxide, Nitrogen
   d) Ethane, Methane & Carbondioxide

97. Which of the following is not a metallic mineral?
   a) Haematite   b) Bauxite
   c) Gypsum   d) Lemonite

98. Which acid substance is found in vinegar?
   a) Lactic Acid   b) Citric Acid
   c) Maleic Acid   d) Acetic Acid

99. In which of the following silver is not to be present?
   a) Horn silver   b) German silver
   c) Ruby silver   d) Lunar caustic

100. The iron container (vessel) is galvanized by:
   a) Chromium   b) Zinc
   c) Aluminium   d) Nickel

101. ABCD is a line segment trisected by the points B,C; P is any point on the circle whose diameter is BC. If the ∠APB and ∠CPD are respectively α, β. Then the value of tanα, tanβ is

   a) $\dfrac{1}{2}$ b) $\dfrac{1}{\sqrt{2}}$ c) $\dfrac{1}{4}$ d) $\dfrac{1}{\sqrt{3}}$

102. The distance between the parallel sides AB and CD of a trapezium is 12 units. AB = 24 units, CD = 15 units. E is the midpoint of AB. O is the point of intersection of DE with AC. The area of quadrilateral EBCO is
   a) 112   b) 144   c) 180   d) 225

103. The value of

   $$1+\frac{1}{1+2}+\frac{1}{1+2+3}+.......+\frac{1}{1+2+.....+20}$$

   is?

   a) $\dfrac{49}{21}$ b) $\dfrac{29}{21}$ c) $\dfrac{39}{21}$ d) $\dfrac{40}{21}$

104. Two circles of equal radius r are inscribed in a semicircular sector of radius '1' such that they touch each other externally. Then the value of r is?

   a) $\sqrt{2}-1$ b) 2
   c) $\sqrt{2}+1$ d) $\sqrt{2}$

105. The greatest positive integer n such that x^n-1 is a divisor of both $x^{2005}-1$ and $x^{1203}-1$ is?
   a) 1   b) 401   b) 1203   d) 2005

106. If $f(n)=\dfrac{4^n-4^{-n}}{4^n+4^{-n}}$ for every positive integer n, and p,q are integers such that p>q. Then the value of f(p) – f(q) is?
   a) negative   b) 0
   c) positive   d) cannot be determined

107. Let E be the midpoint of the side BC of ∆ABC and let F be chosen in AC so that AC = 3FC. Then the ratio of the areas ABEF to ∆EFC is
   a) 2:1   b) 3:1   c) 3:2   d) 5:1

108. If z = x + 2 then the expression $z^3–x^3–6xz$ will be equal to?
   a) 8   b) 0   c) –3xz   d) 3xz

109. A circle has two parallel chords of lengths 12 cm and 16 cm. If the chords are 2 cm a part and the chords are on the same side of

their parallel diameter then the diameter of the circle is

a) 40 cm   b) 16 cm

c) 10 cm   d) 20 cm

110. If cosA + cosB = m and sinA + sinB = n where $m, n \neq 0$, then sin (A+B) is equal to

a) $\dfrac{mn}{m^2 + n^2}$ b) $\dfrac{2mn}{m^2 + n^2}$

c) $\dfrac{m^2 + n^2}{2mn}$ d) $\dfrac{mn}{m + n}$

111. The value of $16 \sin 144^o \sin 108^o \sin 72^o \sin 36^o$ is equal to

a) 5   b) 4   c) 3   d) 1

112. The equation a sin x + b cos x = c, where $|c| > \sqrt{a^2 + b^2}$ has

a) a unique solution

b) Infinite no. of solutions.

c) no solution

d) none of these

113. The maximum value of $\sin(x + \pi/6) + \cos(x + \pi/6)$ in the interval $(0, \pi/2)$ is attained at?

a) $\dfrac{\pi}{12}$ b) $\dfrac{\pi}{6}$ c) $\dfrac{\pi}{3}$ d) $\dfrac{\pi}{2}$

114. A person standing on the bank of a river observes that the angle subtended by a tree on the opposite bank is 60°, when he retires 40 metres from the bank he finds the angle to be 30°. Then the breadth of the river is

a) 40m   b) 60m   c) 20m   d) 30m

115. AB is a vertical pole. The end A is on the level ground. C is the middle point of AB. P is a point on the level ground. The portion BC subtends an angle β at P. If AP= n.AB then tanβ =

a) $\dfrac{n}{2n^2 + 1}$ b) $\dfrac{n}{n^2 - 1}$

c) $\dfrac{n}{n^2 + 1}$ d) none of these

116. The difference of any two irrational numbers is?

a) always an irrational number

b) always a rational number

c) always an interger

d) None of these

117. The diameter of roller is 84 cm and its length 120 cm. It takes 500 complete revolutions to move once over to level a playground. Find the area of the play ground in sq m.

a) 1632   b) 1817

c) 1532   d) 1584

118. A semi-circular entrance of a cave has diameter of 56m. Then the perimeter of entrance is?

a) 116m   b) 132m

c) 144m   d) 200m

119. The curved surface area of a cylindrical pillar is 264 m^2 and its volume is 924 m^3. Find the ratio of its diameter to its height.

a) 3 : 7   b) 7 : 3

c) 6 : 7   d) 7 : 6

120. A cone of height 9 cm with diameter of its base 18 cm is carved out from a wooden solid sphere of radius 9 cm. Then the percentage of the wood wasted is?

a) 25%   b) 25π %

c) 50%   d) 75%

121. The least multiple of 7, which leaves a remainder of 4, when divided by 6, 9, 15 and 18 is

a) 77   b) 98   c) 184   d) 364

122. A man purchases two clocks A and B at a total cost of Rs.650. He sells A with 20% profit and B at a loss of 25% and gets the same selling price for both the clocks. Then what is the difference in purchasing prices of A&B?

a) Rs.200   b) Rs.150

c) Rs.100 d) Rs.125

123. A, B, C hired a car for Rs. 520 and used it for 7, 8 and 11 hours respectively. Hire charges paid by B were:
a) Rs.140 b) Rs.160
c) Rs.180 d) Rs.220

124. Seven men can complete a work in 12 days. They started the work and after 5 days, two men left. In how many days will the work be completed by the remaining men?
a) 5 b) 6
c) 7 d) None of these

125. A is twice as fast as B and B is thrice as fast as C is. The journey covered by C in 54 minutes will be covered by B in:
a) 18min b) 27 min
c) 38 min d) 9 min

126. Two stations A and B are 110 km apart. One train starts from A at 7 a.m. and travels towards B at 20 kmph. Another train starts from B at 8 a.m. and travels towards A at a speed of 25 kmph. At what time will they meet?
a) 9 a.m. b) 10 a.m
c) 10.30 a.m. d) 11 a.m.

127. A sum of money trebles itself in 15 years 6 months. In how many years would it double itself?
a) 6 years 3 months b) 7 years 9 months
c) 8 years 3 months d) 9 years 6 months

128. A bank offers 5% compound interest calculated on half-yearly basis. A customer deposits Rs. 1600 each on Ist January and 1st July of a year. At the end of the year, the amount he would have gained by way of interest is
a) Rs.120 b) Rs.121
c) Rs.122 d) Rs.123

129. If m men working m h per day, can do m units of work in m days, then n men working n h per day would be able to complete how many units of work in n days?

a) $\dfrac{n^3}{m^2}$ b) $\dfrac{m^3}{n^2}$

c) $\dfrac{m^4}{n^2}$ d) $\dfrac{n^4}{m^3}$

130. If 12 men or 18 women can do a piece of work in 14 days. How long will 8 men and 16 women take to finish the work?
a) 9 days b) 12 days
c) 13 days d) 10 days

131. If 7 spiders make 7 webs in 7 days, then 1 spider will make 1 web in how many days?

a) 1 b) $\dfrac{7}{2}$ c) 7 d) 49

132. In a school, 10% of the boys are same in number as $\dfrac{1}{4}$th of the girls. What is the ratio of boys to girls in that school?
a) 3:2 b) 5:2 c) 2:1 d) 4:3

133. An article when sold at a gain of 5% yields Rs.15 more than when sold at a loss of 5%. Its cost price would be:
a) Rs.150 b) Rs.200
c) Rs.250 d) Rs.300

134. The weight of the container alone is 25% of the container filled with a certain fluid. When some fluid is removed, the weight of the container and remaining fluid is 50% of the original total weight. What fractional part of the liquid has been removed?

a) $\dfrac{1}{3}$ b) $\dfrac{1}{2}$ c) $\dfrac{2}{3}$ d) $\dfrac{3}{4}$

135. (x% of y + y% of x) is equal to
a) x% of y b) y% of x
c) 2% of xy d) xy% of 3

136. The total age of A and B is 12 years more than the total age B and C. C is how many years younger than A?
a) 12 b) 24
c) C is elder than A d) Data inadequate

137. In a two-digit number, the digit in the unit's place is four times the digit in ten's place

and sum of the digits is equal to 10. What is the number?

a) 14   b) 41

c) 82   d) None of these

138. The average age of group of persons going for picnic is 16 years. Twenty new persons with an average age of 15 years join the group on the spot due to which their average age becomes 15.5 years. The number of persons initially going for picnic is:

a) 5   b) 10   c) 20   d) 30

139. If $3a = 4b = 6c$ and $a + b + c = 27\sqrt{29}$, then $\sqrt{a^2 + b^2 + c^2}$ is

a) $3\sqrt{29}$ b) 81

c) 87   d) None of these

140. Find the coordinates of the centre of the circle passing through the points (0, 0), (-2, 1) and (-3, 2).

a) $\left(\dfrac{3}{2}, \dfrac{11}{2}\right)$ b) $\left(\dfrac{11}{2}, \dfrac{3}{2}\right)$

c) (11,3)   d) (3, 11)

141. ABC is a triangle.The internal bisector of the angles $\angle A$, $\angle B$ and $\angle C$ intersect the circumcircle at X,Y and Z respectively. If $\angle A = 50^o$, $\angle CZY = 30^o$ then $\angle BYZ$ will be

a) 45° b) 55° c) 35° d) 30°

Directions (Q.142-146): The following pie chart shows the amount of subscriptions generated for India Bonds from different categories of investors.

Subscriptions Generated for India Bonds

142. In the corporate sector, approximately how many degrees should be there in the central angle?

a) 120   b) 121   c) 122   d) 123

143. If the investment by NRI's are Rs. 4,000 crore, then the investments by corporate houses and FII's together is:

a) 24,000 crore   b) 24,363 crore

c) 25,423 crore   d) 25,643 crore

144. If the total investment other than by FII and corporate houses is Rs 335,000 crore, then the investment by NRI's and Offshore funds will be (approximately)?

a) 274,100   b) 285,600

c) 293,000   d)Cannot be determined

145. If the total investment flows from FII's were to be doubled in the next year and the investment flows from all other sources had remained constant at their existing levels for this year, then what would be the proportion of FII investment in the total investment into India Bonds next year ?

a) 40 %   b) 50 %   c) 60 %   d) 70 %

146. What is the approximate ratio of investment flows into India Bonds from NRI's to corporate houses?

a) 1:4   b) 1:3

c) 3:1   d) Cannot be determined

Directions (147-150): In a school the periodical examination are held every second month. In a session during April 2001 - March 2002, a student of Class IX appeared for each of the periodical exams. The aggregate marks obtained by him in each perodical exam are represented in the line-graph given below.

Marks Obtained by student in Six Periodical Held in Every Two Months During the Year in the Session 2001 - 2002. Maximum Total Marks in each Periodical Exam = 500

147. In which periodical exams did the student obtain the highest percentage increase in marks over the previous periodical exams?
    a) June, 01   b) August, 01
    c) Oct, 01   d) Dec, 01

148. The total number of marks obtained in Feb. 02 is what percent of the total marks obtained in April 01?
    a) 110%   b) 112.5%
    c) 115%   d) 116.5%

149. What is the percentage of marks obtained by the student in the periodical exams of August, 01 and Oct, 01 taken together ?
    a) 73.25%   b) 75.5%
    c) 77%   d) 78.75%

150. What are the average marks obtained by the student in all the periodical exams during the last session ?
    a) 373   b) 379
    c) 381   d) 385

Directions (151-155): In each of the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given word.

151. DECAMP
    a) move   b) encamp
    c) flee   d) hide

152. PHILANTHROPIST
    a) benefactor   b) beneficiary
    c) matron   d) sponsor

153. EXOTIC
    a) alien   b) strange
    c) rare   d) grand

154. INCAPACITATE
    a) cripple   b) strengthen
    c) imprison   d) invent

155. CONGREGATION
    a) concentration   b) meeting
    c) discusion   d) Judgement

Directions (156-160): In each of the following questions, choose the word(s) opposite in meaning to the given word.

156. SOBRIETY
    a) moderation   b) drunkenness
    c) dizziness   d) transvestite

157. EXTINCT
    a) recent   b) distinct
    c) alive   d) ancient

158. FIENDISH
    a) diabolical   b) devilish
    c) angelic   d) friendly

159. SUBSEQUENT
    a) eventual   b) succeeding
    c) prior   d) comparative

160. ORTHODOX
    a) revolutionary   b) heretical
    c) anarchist   d) generous

Directions (161-165): In each of the following questions, there is a brief passage, followed by some questions. Read the passages carefully and choose the best answer to each question out the four alternatives.

PASSAGE-1

Yasa was cunning and clever. In front of the captured dancing girls, he tortured their male companions and told the girls. "You were about to kill Prince Ashoka. You deserve death. Since you must die, why not speak the truth? May be, your punishment in hell will be less severe!"

The older one among the dancing girls said, "Listen to us with compassion. We don't fear hell, since we don't know how that place is. But we fear torture and death. We can be of some help to you if you grant us pardon. We will speak the truth, "First speak it. Then it will be for the

prince to decide your fate," said Yasa. "We followed the prince right from Patliputra. We are courteousness and we work for the man who pays us. We are not prince Ashoka's enemies, "said the girl. "And who're his enemies"?First promise us that you'll spare our lives," said the elder girl. "No bargain. Speak out the truth or you die! "shouted Yasa. "We were given the task of killing Prince Ashoka by the Crown Prince himself." The girl blurted out. The two girls spoke in detail how they were given a thousand gold coins and a diamond ring each and were promised much more after they accomplished their task.

The people they named and the rings they showed left Yasa and Ashoka in no doubt about the veracity of their confession. After they had been thoroughly examined, Ashoka ordered his soldiers, to take the girls away and do what is necessary. The girls raised their tied hands to their forehead. "Where you wished to send me!" snapped Ashoka. "Oh no!" Shrieked out the girls. "Don't cry, unfortunate sisters. Pray to the Budha, and his compassion will save you". It was Vidisha. She had just entered the tent.

"Don't give them any false hope!" said Yasa. "Is it I who am giving them hope? Remember, you had promised to spare their lives!" said Vidisha. "How can you speak such nonsense Vidisha?" challenged Yasa. "Didn't you say that they should speak out the truth or die? How can you go back on your word?" rejoined Vidisha. "Wonderful!" Ashoka clapped his hands, smiling. "How lucky you are, Yasa, to have a sister like this?" "I shall gladly pay it, if it's within my capacity. "Tell me what it is", Vidisha waited for a reply. "It is a heavy price, so heavy that I am scared of quoting it."said Ashoka haltingly and almost blushingly. "But I will confide it to Yasa." A brief flash of smile played on Yasa's lips. Vidisha left the tent at a hint from him.

161. What did Yasa announce to girls for telling the truth?
    a) Their sentence will be reduced
    b) He will take the matter to the king
    c) Their sentence in hell may be reduced
    d) He will reward them

162. What was the main fear of the girls?
    a) They will be exposed in front of the Crown Prince
    b) The severity of punishment in the hell
    c) The loss of thousand gold coins and a diamond ring
    d) The physical and mental harassment resulting into death.

163. Which of the following best establishes the clever character of Yasa?
    a) Creating fear of hell in girls
    b) Smiling at the confession of Ashoka
    c) Countering the arguments of Vidisha
    d) Torturing the male companions of the courteousness

164. Which of the following statements is not true in the context of the passage?
    a) Yasa was a close associate of Ashoka
    b) Prince Ashoka himself gave the task of killing the girls
    c) In the process of interrogation, Vidisha intervened
    d) Vidisha saved the lives of girls by paying price for it.

165. Who was Vidisha?
    a) The sister of Yasa
    b) The sisters of courteousness of Patliputra
    c) The wife of Ashoka
    d) A temple girl in Buddha's temple

Directions (166-170): In each of the following questions, four alternatives are given for the Idiom/Phrase printed in bold in the sentence. Choose the alternative which best expresses the meaning of the Idiom/Phrase.

166. She is not liked by anyone in the company because she behaves like **a nosy parker**, meddling in every one's affairs.
    a) one who acts against the general rules
    b) one who looks down upon others
    c) one who is wicked by nature
    d) one who takes interest in others

167. Though he is nice by heart and nature, but everybody is often disinclined to associate freely with him because he is **to pap**

everybody with hatchet.
a) to try to cover up defects
b) to be indisposed
c) to do favours in an unpleasant manner
d) to conclude anything unsatisfactorily

168. No doubt, he is kind by heart, but he always **puts others out of countenance** because of his some abominable acts.
a) to make one uncomfortable
b) to suggest something which is usually bad
c) to be cheerful when one is in trouble
d) to rebuke someone

169. He was disregarded by his own people because he is in the habit of **sailing others down the river**.
a) to force someone to sell something
b) to betray someone
c) to compel someone to do something unpleasant
d) to dismiss someone in an abrupt way

170. The examination is at hand, we should **rub up** our all subject in order to get success.
a) to revise one's knowledge of a subject
b) to consider something unlawful
c) to recite one's knowledge of a subject
d) to commit a blunder

Directions (171-180): In each of the following questions, some of the sentences have errors and some have none. Find out which part of a sentence has an error. The number of that part is your answer. If there is no error, your answer is (d). i.e. No error.

171. He could make (a)/them accepted his proposal (b)/because he was quite familiar with their practice (c)/ No error (d)

172. She was so (a)/emotional stable that (b)/she was not moved by their decision to suspend her. (c)/ No error (d)

173. Thought the tribal had poor, (a)/they donated (b)/a huge sum for setting up a hospital. (c)/ No error (d)

174. We requested them to (a)/leave their homes and (b)/ camped on a hill with other people. (c)/ No error (d)

175. He feels that (a)/ I cannot imagine (b)/what a space station would be looked like. (c)/ No error (d)

176. They asked the guide (a)/ whether they could (b)/wait and watched the pictures after sunset. (c)/No error (d)

177. The shopkeper told me (a)/that the glasses (b)/ were broken unless they were well packed.(c)/ No error (d)

178. If you are not (a)/doing well in your examinations (b)/one thing you can do was to study harder. (c)/ No error (d)

179. They didn't talk much (a)/because they didn't wanted to (b)/ wake up the other people in the house. (c)/ No error (d)

180. The driver (a)/was thrown out (b)/of the car and fortunately he was not hurt seriously. (c)/ No error (d)

Directions (181-185): In each of the following questions, out of the four alternatives, choose the one which can be substituted for the given words/sentence.

181. The state of being miserable bereft of all possessions.
a) Dependant   b) Complacent
c) Destitute   d) Omnipresent

182. That which cannot be called back.
a) Irresponsible   b) Irrevocable
c) Irredeemable   d) Incalculable

183. Study of insects is
a) Etymology   b) Entomology
c) Ecology   d) Embryology

184. Careful in the spending of money, time, etc.
a) Punctual   b) Economical
c) Miserly   d) Calculative

185. That which cannot be captured
a) Untakable   b) Ungrippable

c) Impregnable   d) Slippery

Directions (186-195): In each of the following questions, you have brief passage. In passage, some of the words have been left out and the brackets have been numbered. First read the passage over and try to understand what it is about. Then fill in the brackets with the help of the alternatives given.

Women today are playing an (186) important part in (187) national life. In parliament women are among our most articulate and effective participants. This is as it should be, because an (188) of vote or constitutional status will-have (189) meaning unless women increasingly come (190) to take part in the political life of the nation. Not only in politics but in every sphere of national activity women have a steadily (191) role to play. Let us hope that (192) this (193) and necessary participation in the existing task of (194) . Women will not (195) their essential femininity and charm.

186. a) essential   b) developing
c) extra   d) increasingly

187. a) our   b) their
c) every day's   d) political

188. a) opportunity   b) equality
c) opposition   d) priority

189. a) none   b) less
c) little   d) more

190. a) together   b) up
c) voluntarily   d) forward

191. a) mammoth   b) vast
c) expanding   d) small

192. a) if   b) inspite
c) even   d) despite

193. a) desirable   b) needed
c) burden   d) insignificant

194. a) life   b) nation building
c) uplift   d) development

195. a) know   b) sacrifice
c) develop   d) lose

Directions (196-200): In each of the following questions, groups of four words are given. In each group, one word is wrongly spelt. Find the misspelt word.

196. a) prioratise   b) picturise
c) visualise   d) individualise

197. a) mendacious   b) obnoxcious
c) pernicious   d) ferocious

198. a) pennetrate   b) irritate
c) hesitate   d) perforate

199. a) passagway   b) causeway
c) subway   d) straightway

200. a) rapport   b) support
c) repport   d) purport

KEY

1. C	2. A	3. C	4. B	5. D
6. B	7. B	8. B	9. B	10. C
11. C	12. D	13. D	14. D	15. D
16. D	17. B	18. C	19. D	20. D
21. D	22. A	23. C	24. C	25. B
26. D	27. D	28. B	29. B	30. A
31. C	32. B	33. D	34. C	35. D
36. D	37. D	38. C	39. D	40. D
41. C	42. C	43. A	44. D	45. D
46. B	47. C	48. B	49. D	50. D
51. C	52. D	53. C	54. B	55. D
56. B	57. A	58. A	59. D	60. C
61. C	62. B	63. B	64. D	65. D
66. A	67. A	68. D	69. C	70. D
71. A	72. C	73. D	74. B	75. C
76. A	77. C	78. B	79. B	80. D
81. D	82. A	83. D	84. B	85. A
86. D	87. D	88. C	89. A	90. C
91. B	92. D	93. A	94. B	95. A
96. B	97. C	98. D	99. B	100. B
101. C	102. A	103. D	104. A	105. B
106. C	107. D	108. A	109. D	110. B
111. A	112. C	113. A	114. C	115. A

116. D	117. D	118. C	119. B	120. D	161. C	162. D	163. D	164. D	165. A
121. D	122. B	123. B	124. D	125. A	166. D	167. C	168. A	169. B	170. A
126. B	127. B	128. B	129. A	130. A	171. B	172. B	173. A	174. C	175. C
131. C	132. B	133. A	134. C	135. C	176. C	177. C	178. C	179. B	180. C
136. A	137. D	138. C	139. C	140. A	181. C	182. B	183. B	184. B	185. C
141. C	142. C	143. B	144. A	145. B	186. D	187. A	188. B	189. B	190. D
146. B	147. C	148. B	149. B	150. C	191. C	192. D	193. B	194. C	195. D
151. C	152. A	153. B	154. A	155. B	196. A	197. B	198. A	199. A	200. C
156. B	157. C	158. D	159. C	160. B					

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