SSC CGL Examination

Grand Test

Questions: 200   Time: 2 hours   Max marks: 200

Directions (Q. 1 to 4): Choose the correct alternative from the given one which will complete the series.

1.   X5C, U8F, ?, O17L, L230
     a) R121   b) P121   c) R10K   d) K101

2.   ABBBCCAABBCCCAAABCCAA_ _ C _
     a) BAC   b) BBA   c) CCA   d) BAB

3.   1799, _, 59, 14, 4, 1.5
     a) 299   b) 874   c) 828   d) 624

4.   3, 9, 26, 61, 185, ?
     a) 376   b) 371   c) 373   d) 482

5.   Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?
     a_bb_c_aab_bc_caaa_
     a) acacba   b) acabca
     c) acabbc   d) abcaac

6.   In a code language 'HOTEL' is coded as 55. Then how is 'BORE' coded in that code language?
     a) 38   b) 40   c) 34   d) 36

Directions (Q.7 to 8): In a certain code language 289 means 'read from paper', 276 means 'tea from fleld' and 85 means 'wall paper'.

7.   Which of the following is the code for 'tea'?
     a) 7 or 6   b) 6
     c) 2 or 6   d) 2

8.   Which of the following is the code for 'paper'?
     a) 9   b) 2
     c) 8   d) Cannot say

9.   A is 40 m South-West of B. C is 40 m South-East of B. Then, C is in which direction of 'A'?

a) West   b) East
c) North-East   d) South

10. If the first day of the year (other than the leap year) was Friday, then which was the last day of that year?
     a) Friday   b) Monday
     c) Saturday   d) Sunday

Directions (Q. 11 to 13): Choose the correct alternative from the given one which will complete the series.

11. WYV, ?, IKH, BDA
     a) OPR   b) ROP   c) PRO   d) OQN

12. 3, 15, ?, 63, 99, 143
     a) 27   b) 45   c) 35   d) 56

13. 3, 28, 4, 65, 5, 126, 6, ?
     a) 215   b) 216   c) 217   d) 218

14. Arrange the following words as per dictionary:
     1) Live   2) Litter   3) Little
     4) Literary   5) Living
     a) 4, 3, 5, 2, 1   b) 4, 2, 3, 1, 5
     c) 3, 4, 2, 1, 5   d) 3, 2, 4, 5, 1

15. Which one of the given responses would be a meaningful order of the following words?
     1) Conference   2) Registration
     3) Participate   4) Invitation
     5) Representatives
     a) 1, 2, 4, 5, 3   b) 1, 4, 5, 2, 3
     c) 4, 1, 5, 2, 3   d) 4, 5, 1, 3, 2

16. In the certain code language 'INCORPORATE' is written as 'HCGJSLJSXHO' and 'PELMET' is written as 'LOFDOH'. How will be the word 'MOLTEN' be written in that code lanaguage?
     a) XHOTOR   b) DJFHOC
     c) LDOHCG   d) FRTECO

17. A word given in capital letters is followed by four words. Out of these only one cannot be formed by using the letters of the given word. Find out that word.
    CHEMOTHERAPY
    a) MOTHER   b) THERAPY
    c) PANTHER   d) REMOTE

18. If '×' means '−', '−' means '÷', '+'means '×' and '÷' means '+', then what will be the value of the following expression?
    $16 \times 8 \div 4 - 3 + 9 = ?$
    a) 10   b) 19   c) 20   d) 9

19. A = 3(21)247, B = 5(?)407, C = 7(49) 567
    a) 28   b) 25   c) 35   d) 38

20. 7×5×4 = 57354, 8×7×3 = 78563, 6×8×5 = ?
    a) 86585   b) 86855
    c) 68485   d) 86485

21. EDUCATION:NOITACUDE::
    INTELLIGENCE:?
    a) ECENGILLTEIN   b) ECNGEILLTENI
    c) ECNEGILLETNI   d) ECNEGILLTENI

22. AZCX : BYDW :: HQJO :?
    a) GREP   b) IPKM
    c) IPKN   d) GRJP

23. 08 : 66 :: ? : 38
    a) 2   b) 6   c) 12   d) 19

24. 32 : 21 :: 35 : ?
    a) 51   b) 53   c) 32   d) 26

Directions (Q. 25 to 28): Find the odd words/letters/number pair from the given alternatives:

25. a) Barter   b) Purchase
    c) Sale   d) Borrow

26. a) Flag : Flagship   b) Court : Courtship
    c) War : Worship   d) Friend : Friendship

27. a) BDFH   b) MOQS
    c) SUWY   d) TVZE

28. a) 8 – 15   b) 25 – 26

c) 49 – 64   d) 81 – 100

29. Find out the set among the four sets which is like the given set.
    (13:20:27)
    a) (3:11:18)   b) (18:25:32)
    c) (18:27:72)   d) (7:14:28)

30. How many Ms occur in the following series such that it is preceded by W and followed by V?
    XUVMRSTMWNVMWOPMWUVMWACWM
    VHPNVWMWTUN
    a) 3   b) 2   c) 1   d) 5

31. Which of the conclusions can be draw from the given statement?
    Statement:
   Many creative persons become artists.
    a) Some artists are creative persons
    b) A creative person will certainly become an artist
    c) It is not possible to become an artist without creativity
    d) A high level of creativity is needed to become an artist.

32. The population of a city doubles every 6 years. If in 2005, the population is 10,562; by which year will be population increase to 42,248?
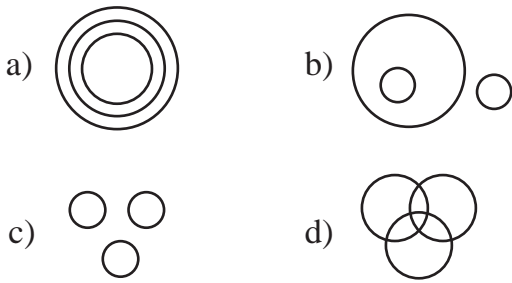   a) 2029   b) 2011   c) 2023   d) 2017

33. Select the missing number from the given responses.
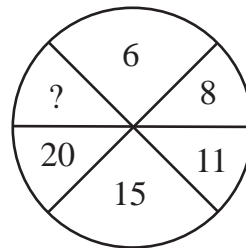
    a) 30   b) 24   c) 26   d) 28

34. Identify the diagram that best represents the relationship among the classes given below:
   Sparrow, Bird, cat

a)   b)

c)   d)

Directions (Q.35 to 41): Select the related letters/word/number from the given alternatives.

35. 85 : 40 **::** 77 : ?

    a) 48   b) 49   c) 50   d) 14

36. KNQT : LORU **::** ADGJ : ?

    a) FHLO   b) DGEF

    c) MPVW   d) BEHK

37. DRIVEN : NEVIRD **::** BEGUM :?

    a) BGMUE   b) EBGMU

    c) MUGEB   d) MEUBG

38. Smell **:** Flower **::** Taste **:** ?

    a) Salt   b) Food

    c) Sweet   d) Water

39. Introvert **:** Extrovert **::**?

    a) Extreme **:** Interim b) Against **:** Favour

    c) Action **:** Law   d) Angle **:** Tangent

40. Smoke **:** Pollution **::** War **:** ?

    a) Victory   b) Treaty

    c) Destruction   d) Peace

41. 12 **:** 30 **::** 18 **:** ?

    a) 42   b) 44   c) 45   d) 36

Directions (Q. 42 to 45): Find the odd letters/words/number pair from the given alternatives.

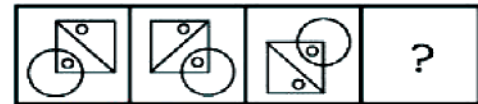42. a) 29 – 45   b) 48 – 68

    c) 71 – 87   d) 5 – 21

43. a) ADEG   b) EHIK

    c) LNOQ   d) TWXZ

44. a) Up **:** Down   b) Across **:** Along

    c) Small **:** Large   d) Day **:** Night

45. a) Hill   b) Plateau

    c) Plane   d) Mountain

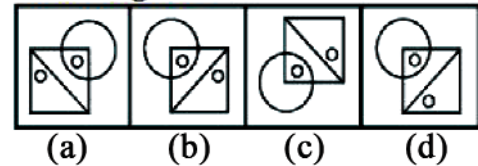46. Select the figure which is different from the rest three.
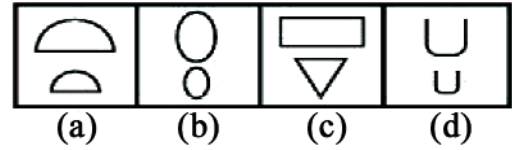
47. Choose the correct alternative from the given ones that will complete the series

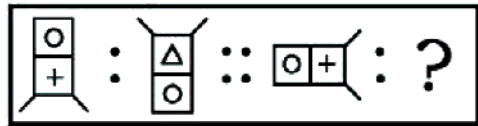**Question figures :**

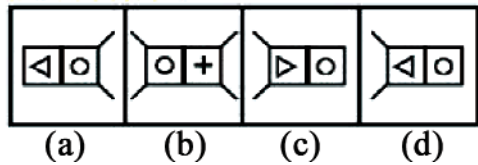**Answer figures :**

48. Select the related figure from the given alternatives.
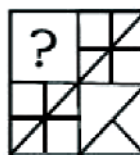
Question figures:
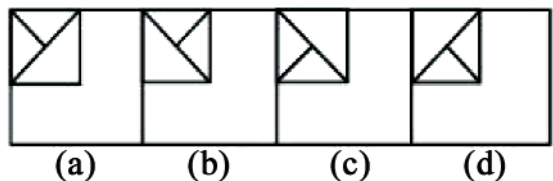

Answer figures:

49. Which answer figure will complete the pattern in the question figure?
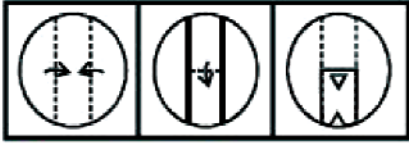
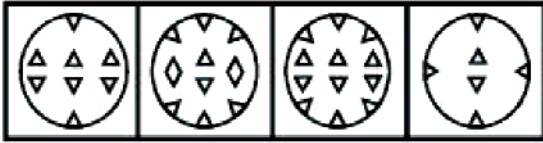**Question figure :**

Answer figures :

50. A piece of paper is folded and cut/punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

Question figures:

Answer figures:

(a)   (b)   (c)   (d)

51. The people of the Mesolithic age used
   a) copper tools   b) iron tools
   c) quartzite   d) small stone tools

52. The greatness of Shivaji was that he
   a) was the father of the Maratha nation
   b) defeated the Mughal forces
   c) was a benevolent ruler
   d) checked the Mughal expansion in the south

53. Mahavira Jaina breathed his last at
   a) Rajgir   b) Ranchi
   c) Pawapuri   d) Samastipur

54. In the Delhi Sultanate, an administrative unit called Paragana was headed by an official known as
   a) Shiqdar   b) Barid
   c) Ariz   d) Amil

55. Gandhi's intervention in the Ahmedabad Mill Strike in 1918 resulted in the enhancement of wages for the workers by
   a) 10%   b) 15%   c) 25%   d) 35%

56. At which place in Bihar was the session of Indian National Congress of 1922 held?
   a) Haripura   b) Patna
   c) Gaya   d) Ramgarh

57. Who is the author of the book 'Glimpses of World History'?
   a) Abul Kalam Azad
   b) Jawahar Lal Nehru
   c) S. Gopalan
   d) S. Radhakrishnan

58. Who said "Man is a social animal"?
   a) Plato   b) Aristotle
   c) Rousseau   d) Laski

59. JVP Committee consisted of the following:
   a) Jawaharlal Nehru, Vallabh Pant, Prasad (Rajendra)
   b) Jawaharlal Nehru, Vallabhbhai Patel, Pattabhi Sitarammayya
   c) Jawaharlal Nehru, V.P. Singh, Parshotamlal Tandon
   d) Jawaharlal Nehru, V.P. Singh, Pattabhi Sitaramayya

60. Under the latest rules a legislative party can escape provisions of anti-defection law only if
   a) one-third of its members decide to merge with an other political party
   b) two-thirds of its members decide to merge with another political party
   c) 40 percent of its members decide to merge with another political party
   d) 50 percent of the members decide to merge with another political party

61. The National Commission for Minorities has the following other members in addition to a chairperson and a vice chair person?
   a) 3 members   b) 4 members
   c) 5 members   d) 7 members

62. One of the following is NOT a Union Territory
   a) Tripura   b) Daman and Diu
   c) Lakshadweep   d) Puduchery

63. The Finance Ministry (Government of India) has inroduced the concept of 'Outcome-Budget' from 2005. Under this the monitoring of the outcomes will be the responsibility of:

a) Union Cabinet

b) Planning Commission

c) Finance Ministry and Planning Commission Jointly

d) Ministry of Programme Implementation

64. The right to equality

a) prevents the state from making special provisions for women, children and backward classes

b) permits the state to make discrimination on ground of residence

c) permits the state to make special provisions for women, children and backward classes

d) permits the state to nationalise all means of production and distribution

65. On the day the sun is nearest to the earth, the earth is aid to be in

a) aphelion   b) perihelion

c) apogee   d) perigee

66. Which of the following is/are the correct characteristic(s) of primary seismic wave?

a) It is a longitudianal and compressional wave

b) It is analogous to sound waves

c) It travels with faster speed through solids but slowly

d) All the above three

67. Which one of the following zones of the atmosphere is rich in ozone gas?

a) Mesosphere   b) Troposphere

c) Stratosphere   d) Ionosphere

68. Which one of the following pairs is correctly matched?

a) Taiga: Rosewood

b) Tropical deciduous: Maple

c) Mediterranean: Olive

d) Selva: Mahogany

69. Match List-I (Cities in U.S.A) with List-II (Factors for which they known) and select the correct answer using the codes given below the lists

            List-I   **List-II**

A) Chicago   1. Greatest centre of automobile industry

B) St. Louis junction   2. Biggest railway

C) Detroit port   3. Important river

D) Kansas market   4. Famous live stock

Code:

	A	B	C	D
a)	3	2	4	1
b)	3	2	1	4
c)	2	3	4	1
d)	2	3	1	4

70. Which of the following regions does not receives much rainfall in the south-west monsoon season?

a) Chota Nagpur Plateau

b) Eastern Himalayas

c) Tamil Nadu coast

d) Maharashtra

71. "Marginal Cost" equals

a) The change in total cost divided by the change in quantity

b) Total cost minus total benefit for the last unit produced

c) Total cost divided by total benefit for the last unit produced

d) Total cost divided by quantity

72. Extreme forms of markets are

a) Perfect competition; Monopolistic competition

b) Perfect competition; Oligopoly

c) Oligopoly; Monopoly

d) Perfect competition; Monopoly

73. A supply function expresses the relationship between

a) Price and consumption

b) Price and output

c) Price and selling cost

d) Price and demand

74. Which of the following conditions need not be fulfilled for declaring an offence under the Prevention of Money Laundering Act, 2002?

a) There must be commission of a crime;

b) There must be proceeds or gains from the crime;

c) The crime must have been committed beyond the country's boundaries;

d) There must be a transaction in respect of the proceeds of the crime

75. The objective of agricultural price policy is:
    a) to ensure that the producer gets a remunerative price
    b) to maintain a reasonable terms of trade between agricultural and non-agricultural sectors
    c) to protect the non-producing consumer
    d) all of these

76. C. Rangachari Committee is associated with which one of the following?
    a) Pricing and taxation of Petroleum Products
    b) Estimation of National Income
    c) Tax Structure
    d) Estimation of Money Supply

77. A community's stock of wealth is accounted for by the
    a) Aggregate of capital and consumer goods
    b) Gross investment minus depreciation
    c) Standard of living of the people
    d) net increase in invisible and intangible goods

78. The first electric train (Deccan Queen) of India was run between:
    a) Kalyan and Pune
    b) Mumbai and Surat
    c) Howrah and Delhi
    d) Delhi and Chennai

79. The smallest living cell is that of a
    a) bacterium   b) bread mold
    c) mycoplasma   d) virus

80. Some of the leading wheat producing countries of the world are USA, India, China and the Russian Federation. Select the countries from the following in correct sequence according to their production.
    a) China > USA > India > Russian Fed
    b) USA > Russian Fed. > India > China
    c) Russian Fed. > USA > China > India
    d) India > China > Russian Fed. > USA

81. We do not get water supply in multistoried buildings unless a booster pump is installed. Then how is water transported to the top of tall trees, some of them upto 300ft tall?
    a) they use energy from the food synthesized
    b) their water conducting elements being very thin, water is transported through capillary action
    c) water is pushed up as it is used for photosynthesis
    d) they use solar energy to suck water through transpiration.

82. Hing got from Ferula as asafoetida is
    a) Resinous exudate of root
    b) Fruit
    c) Inflorescence   d) Leaves

83. Fruit drop occurs when fruit has
    a) No auxin as compared to stem
    b) Less auxin as compared to stem
    c) More auxin than the one present in the stem
    d) Auxin concentration equal to that of stem

84. In mammal embryo get from mother during pregnency
    a) CO_2, Mineral salt and glucose
    b) Mineral salt, urea and glucose
    c) Mineral salt, glucose and oxygen
    d) CO_2, oxygen and glucose

85. Which of the following tissue help in keeping the body warm
    a) Sweat gland   b) Connective tissue
    c) Fatty tissue   d) Hair

86. When a ship enters a sea from a river
    a) it rises a little   b) it sinks a little
    c) it remains at the same level
    d) it rises or sinks depending on the

material it is made

87. A diagnostic technique commonly known as 'Ultrasound' is based on recording
    a) echoes of extremely high frequency waves
    b) echoes of extremely low frequency waves
    c) ultraviolet rays
    d) nuclear magnetic resonances

88. A graph is plotted taking ^oC along Y-axis and of along the X-axis. It is a/an
    a) parabola   b) straight line
    c) ellipse   d) circle

89. A real image is formed by a convex lens. If we put a concave lens in contact with it, the combination again forms a real image. The new image
    a) is closer to the lens system
    b) is farther from the lens system
    c) is at the original position
    d) none of these

90. Demagnensation of a magnet can be done by
    a) rough handling   b) heating
    c) magnetising in the opposite direction
    d) all the above

91. Chemically, baking soda is
    a) calcium phosphate
    b) sodium bicarbonate
    c) sodium chloride
    d) baker's yeast

92. Cathode rays can be deflected by
    a) magnetic field only
    b) electric field only
    c) both types of fields
    d) none of these

93. In modern periodic table, the number of period is
    a) 2   b) 6   c) 7   d) 8

94. The elements of group I are known as alkali metals as
    a) their oxides are alkaline

b) their hydrides are strongly alkaline
c) the metals are corroded by alkali
d) none of the above

95. Petroleum is a mixture of
    a) Alkenes
    b) Cycloalkanes
    c) Aromatic hydrocarbons
    d) All of these

96. Treatment for divers suffering from decompression sickness comes form:
    a) Sharks   b) Cetaceans
    c) Polar bears   d) Cobra venom

97. The sequence of energy flow through a food chain is
    a) primary consumers - producers - higher order consumers
    b) producers - higher order consumers - primary consumers
    c) higher order consumers - primary consumers - prdoucers
    d) producers - primar consumers - higher order consumers

98. Which among the following states has decided to launch a single stage VAT regime in October 2013?
    a) Punjab   b) Uttar Pradesh
    c) West Bengal   d) Tripura

99. The China - India Financial Dialogue was held in Beijing.
    a) Second   b) Third
    c) Fourth   d) Sixth

100. India and _____ have agreed to initiate steps to include Media cooperation as part of 2014 celebrations being observed to commemorate "Friendly Exchanges" between the two countries.
    a) China   b) Pakistan
    c) Nepal   d) Bangladesh

101. An aeroplane covers a certain distance at a speed of 280 km / hour in 4 hours. To cover the same distance in $1\dfrac{1}{4}$ hours, it must travel at a speed of

a) 869 km/hour   b) 866 km/hour
c) 968 km/hour   d) 896 km/hour

102. A person travels 600 km by train at 80 km/hour, 800 km by ship at 40 km/hour, 500 km by aeroplane at 400 km/hour and 100 km by car at 50km/hour. Then what is the average speed for the entire distance?

a) $66\frac{5}{123}$ km/hr   b) 60 km/hr

c) $65\frac{5}{123}$ km/hr   d) 62 km/hr

103. Rs. 180 contained in a box consists of one rupee, 50 paise and 25 paise coins in the ratio of 2:3:4. Then what is the number of 50 paise coins?
a) 60   b) 120   c) 150   d) 180

104. The length of the diagonal of a square is 'a' cm. Which of the following represents the area of the square (in square centimeter)?

a) 2a   b) $\frac{a}{\sqrt{2}}$ c) $\frac{a^2}{2}$ d) $\frac{a^2}{4}$

105. Three taps A, B and C can fill a tank in 12, 15 and 20 hours respectively. If A is open all the time and B and C are open for one hour each alternatively, the tank will be full in:

a) 6 hours   b) $6\frac{1}{2}$ hours

c) 7 hours   d) $7\frac{1}{2}$ hours

106. The sides of a rectangular plot are in the ratio 5:4 and its area is equal to 500 sq.m. The perimeter of the plot is
a) 80 metres   b) 100 metres
c) 90 metres   d) 95 metres

107. The radius of a wheel is 21 cm. How many revolution will it make in travelling 1056 metres? (Use $\pi = \frac{22}{7}$)

a) 8   b) 11   c) 800   d) 700

108. The area of a sector of a circle of radius 5 cm, formed by an arc of length 7 cm is
a) 8.5 cm^2 b) 8.75 cm^2
c) 17.75 cm^2 d) 17.5 cm^2

109. Find the length of the largest rod that can be placed in a room 16 metre long, 12 metre broad and $10\frac{2}{3}$ metre high.

a) 23 metre   b) 68 metre

c) $22\frac{2}{3}$ metre   d) $22\frac{1}{3}$ metre

110. A solid metallic cone of height 10 cm, radius of the base 20 cm is melted to make spherical balls each of 4 cm diameter. How many such balls can be made?
a) 25   b) 75   c) 50   d) 125

111. Two boats A and B start towards each other from two places, 108 km apart. Speeds of the boats A and B in stand still water are 12 km/hr and 15 km/hr respectively. If A proceeds down and B up the stream, they will meet after
a) 4 hours   b) 5.6 hours
c) 7 hours   d) 4.5 hours

112. In an examination 80% candidates passed in English and 85% candidates passed in Mathematics. If 73% candidates passed in both these subjects, then what percent of candidates failed in both subjects?
a) 35%   b) 27%   c) 15%   d) 8%

113. What is the 507th term of the sequence 1, –1, 2, –2, 1, –1, 2, –2, 1, –1,.......
a) 1   b) –1   c) 2   d) –2

114. A pipe can fill a tank with water in 3 hrs. Due to leakage in bottom, it takes $3\frac{1}{2}$ hours to fill it. In what time the leak will empty the fully filled tank?

a) $10\frac{1}{2}$ hours   b) $6\frac{1}{2}$ hours

c) 21 hours   d) 12 hours

115. Four years ago, the ratio of the ages of A and B was 2:3 and after four years it will become 5:7. Find their present ages.
a) 32 years and 48 years
b) 40 years and 56 years
c) 36 years and 40 years
d) 36 years and 52 years

116. If $\dfrac{a}{b} = \dfrac{2}{3}$ and $\dfrac{b}{c} = \dfrac{4}{5}$, then the ratio $\dfrac{a+b}{b+c}$ is equal to
a) $\dfrac{27}{20}$
b) $\dfrac{20}{27}$
c) $\dfrac{8}{6}$
d) $\dfrac{6}{8}$

117. If a = 4.965, b = 2.343 and c = 2.622, then the value of $a^3 - b^3 - c^3 - 3abc$ is
a) –2
b) –1
c) 9.93
d) 0

118. If $\sin 17^o = \dfrac{x}{y}$, then the value of ($\sec 17^o - \sin 73^o$) is
a) $\dfrac{x^2}{\sqrt{y^2 - x^2}}$
b) $\dfrac{y^2 - x^2}{xy}$
c) $\dfrac{x^2}{y\sqrt{y^2 - x^2}}$
d) $\dfrac{x^2}{y\sqrt{y^2 + x^2}}$

119. If $0 < x < \dfrac{\pi}{2}$ and sec x = cosec y, then the value of sin (x + y) is
a) 1
b) 0
c) $\dfrac{1}{2}$
d) $\dfrac{1}{\sqrt{3}}$

120. The length of a chord of a circle is equal to the radius of the circle. The angle which this chord subtends in the major segment of the circle is equal to
a) 60°
b) 30°
c) 45°
d) 90°

121. If $\cos\theta + \sec\theta = 2 (0^o \le \theta \le 90^o)$ then the value of θ is
a) 0
b) 1
c) 2
d) –1

122. In a division sum, the divisor is 10 times the quotient and 5 times the remainder. If the remainder is 40, then the dividend is
a) 240
b) 440
c) 4040
d) 4000

123. The value of
$$\dfrac{1}{2} + \left(\dfrac{7}{8} \times \dfrac{4}{5}\right) - \left(\dfrac{2}{3} \div \dfrac{4}{5}\right) + \dfrac{3}{4}\text{ of }\dfrac{2}{5}\text{ is}$$
a) $\dfrac{1}{3}$
b) $\dfrac{2}{3}$
c) $\dfrac{3}{4}$
d) $\dfrac{3}{5}$

124. Let $x = 5 + \dfrac{1}{\sqrt{5}} + \dfrac{1}{5 + \sqrt{5}} + \dfrac{3}{\sqrt{5} - 5}$. The value of x is
a) $5 + \sqrt{5}$
b) 0
c) $\dfrac{9}{2}$
d) 5

125. The total number of prime factors in is
$(25)^{10} \times (24)^{20} \times (26)^{25}$
a) 1000
b) 120
c) 150
d) 140

126. The value of $\dfrac{0.625 \times 0.0729 \times 28.9}{0.0081 \times 0.025 \times 1.7}$
a) 3825
b) 3845
c) 3925
d) 3945

127. The value of $\sqrt{8 - 8 \times \dfrac{2\frac{1}{5} - 1\frac{2}{7}}{2 - \dfrac{1}{6 - \dfrac{1}{6}}}}$
a) 0
b) 4
c) 3
d) 2

128. Two numbers are respectively 25% and 40% less than a third number. What percent of the first is the second?
a) 60
b) 70
c) 40
d) 80

129. A reduction of 20% in the price of sugar enables Mr.Bhadra to buy an extra 5 kg of it for Rs. 320. The original rate of sugar is
a) Rs. 12 per kg
b) Rs. 15 per kg
c) Rs. 16 per kg
d) Rs. 20 per kg

130. In two blends of mixed tea, the ratios of Darjeeling and Assam tea are 4:7 and 2:5. The ratio in which these two blends should

be mixed to get the ratio of Darjeeling and Assam tea in the new mixture as 6:13 is
a) 2:7   b) 5:13
c) 4:13   d) 22:35

131. If the altitude of a right prism is 10 cm and its base is an equilateral triangle of side 12 cm, then its total surface area (in cm^2) is
a) $72(5+\sqrt{3})$ b) $5+3\sqrt{3}$
c) $36\sqrt{3}$ d) 360

132. The value of $\tan 10^o \tan 15^o \tan 75^o \tan 80^o$ is
a) 2   b) 0   c) 1   d) –1

133. Two pipes X and Y can fill a cistern in 24 minutes and 32 minutes respectively. If both the pipes are opened together, then after how much time (in minutes) should Y be closed so that the tank is full in 18 minutes?
a) 5   b) 10   c) 8   d) 6

134. The length and breadth of a rectangular field are in the ratio 7:4. A path 4 m wide running all round outside has an area of 416 m^2. The breadth (in m) of the field is?
A) 16   B) 28   c) 14   d) 15

135. If $a + b + c = 0$, $a^3+b^3+c^3$ is equal to
a) 3abc   b) a + b + c
c) abc   d) 2abc

136. Two numbers 11284 and 7655, when divide by a certain number of three digits, leaves the same remainder. The sum of digits of such three - digit number is
a) 11   b) 8   c) 9   d) 10

Directions (Q. 137 to 138): Study the table and answer questions.

Height (in cm)	Number of girls
less than 140	4
less than 145	11
less than 150	29
less than 155	40
less than 160	46
less than 165	51

137. The number of girls whose height is above 150cm is
a) 97   b) 22   c) 29   d) 86

138. Average height (in cm) of the girls whose heights are 155 cm and above is about
a) 162.6   b) 158.7
c) 159.8   d) 160.4

Directions (Q. 139 to 140): Student's strength of a college in Arts, Science and Commerce from 2004-05 to 2007-08 sessions are shown in the following bar graph. Study the graph and answer questions.
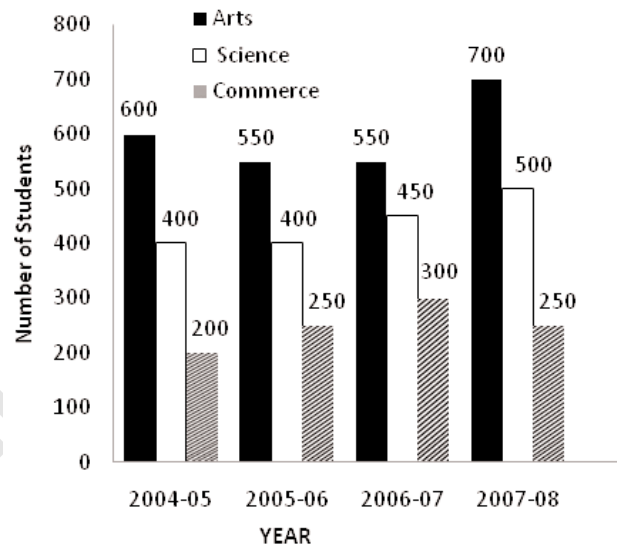
139. The ratio of average number of students in Arts to the average number of students in Commerce is
a) 48 : 35   b) 12 : 5
c) 10 : 7   d) 7 : 4

140. The increase in Science students in 2007-08 over 2006-07 was
a) 18.2%   b) 10.1%
c) 11.1%   d) 16.7%

141. Let $\sqrt[3]{a} = \sqrt[3]{26} + \sqrt[3]{7} + \sqrt[3]{63}$. Then
a) a = 729   b) a < 729 but a > 216
c) a < 216   d) a > 726

142. The number of prime factors in $6^{333} \times 7^{222} \times 8^{111}$ is
a) 1211   b) 1221   c) 1222   d) 1111

143. The greatest among 1.5, 1.05, 1.05, 1.5 is
a) 1.5   b) 1.05   c) 1.05   d) 1.5

144. $\sqrt{\dfrac{4\frac{1}{7}-2\frac{1}{4}}{3\frac{1}{2}+1\frac{1}{7}}\div\dfrac{1}{2+\dfrac{1}{2+\dfrac{1}{5-\dfrac{1}{5}}}}}$ is equal to

 a) 2   b) 1   c) 4   d) 3

145. If 120 is 20% of a number, then 120% of that number will be
 a) 120   b) 360   c) 720   d) 20

146. In a division sum, the divisor is 3 times the quotient and 6 times the remainder. If the remainder is 2, then the dividend is
 a) 28   b) 50   c) 48   d) 36

147. $\dfrac{1}{7}+\left(999\dfrac{692}{693}\right)\times99$ is equal to

 a) 99900   b) 1
 c) 99000   d) 99800

148. The value of $\dfrac{\sqrt{72}\times\sqrt{363}\times\sqrt{175}}{\sqrt{32}\times\sqrt{147}\times\sqrt{252}}$ is

 a) $\dfrac{55}{28}$ b) $\dfrac{55}{42}$ c) $\dfrac{45}{56}$ d) $\dfrac{48}{28}$

149. Zinc and copper are in the ratio 5:3 in 400 gm of an alloy. How much of copper (in grams) should be added to make the ratio 5:4?
 a) 200   b) 50   c) 66   d) 72

150. The average age of A and B is 20 years. If A is to be replaced by C, the average would be 19 years. The average age of C and A is 21 years. The age of A, B and C in order (in years) are
 a) 22, 20, 18   b) 18, 22, 20
 c) 18, 20, 22   d) 22, 18, 20

Directions (Q. 151 to 160): In the following passages some of the words have been left out. Read the passages carefully and choose the correct answer to each question out of the four alternatives and fill in the blanks.

Women have 151 made 152 in the corporate workplace but certainly not as much as they had 153. We have new laws, rules and 154 relating to women in the workplace, but what we have not changed much is male 155. Women have fallen short in their goals because we 156 the potency of the male and feel the need to 157 their power. We can abide 158 by the laws and rales we create in order to 159 women an equal opportunity in the corporate work place and still not 160 the problems that afflicted and eventually capsized the women's raft.

151. a) seldom   b) not
     c) optimistically   d) undoubtedly

152. a) attempts   b) progress
     c) decision   d) efforts

153. a) prescribed   b) informed
     c) encompassed   d) expected

154. a) problems   b) revolutions
     c) policies   d) cases

155. a) behaviour   b) population
     c) achievements   d) patterns

156. a) risk   b) minimize
     c) respect   d) retaliate

157. a) know   b) maintain
     c) evolve   d) absolve

158. a) them   b) partially
     c) occasionally   d) scrupulously

159. a) deprive   b) donate
     c) assure   d) deny

160. a) emphasize   b) explore
     c) judge   d) overcome

Directions (Q. 161 to 166): Four alternatives are given for the Idiom/Phrase underlined in the sentence. Choose the alternative which best expresses the meaning of the Idiom/Phrase and mark it.

161. Don't mix with the bad hats.
     a) people with bad hats

b) people of bad character

c) people selling bad hats

d) people of poor status

162. The personality development class started with an <u>ice breaking</u> session
   a) having breakfast
   b) starting conversation
   c) introducing chief guest
   d) making speeches

163. He <u>chickened out</u> when he confronted opposition.
   a) ate chicken
   b) released chicken
   c) hatched eggs
   d) withdrew

164. Try to <u>make do</u> with what you have
   a) create   b) do
   c) produce   d) manage

165. The scientist worked for <u>donkey's years</u> to arrive at the formula.
   a) a long time   b) a short time
   c) for donkeys   d) for few years

166. He <u>broke down</u> when he heard the news of his son's death.
   a) resigned this job
   b) ceased to smile
   c) stopped working
   d) wept bitterly

Directions (Q. 167 to 171): Out of the four alternatives, choose the one which best expresses the meaning of the given word and mark it.

167. Fear of closed spaces
   a) Claustrophobia   b) Aquaphobia
   c) Botanophobia   d) Kleptomania

168. Words written on the tomb of a dead person
   a) Epigraph   b) Epilogue
   c) Epitaph   d) Etymology

169. A hand writing that cannot be read
   a) Illegibel   b) Inedible
   c) Illegal   d) Illicit

170. The line when the land and sky seems to meet
   a) Atmosphere   b) Milky Way
   c) Horizon   d) Distant land

171. A list of passengers and luggage
   a) Way bill   b) Wagon
   c) Wire puller   d) Whist

Directions (Q. 172 to 176): You have a passage with 5 questions. Read the passage carefully and choose the best answer to each question out of the four alternatives and mark it.

Bringing up the baby is now a science and fine art! Most of the maternal grandparents would agree with this statement. My mother lost fifteen kilos in six months when my son was born and I gained that as much. Both ways it was because of the anxiety and shared responsibility. My colleagues welcome retirement when their daughter is ready to deliver or had just delivered. They most often befriend young experienced mothers and spend long counselling sessions with them collecting tips on how to tackle a crisis.

It is a funny sight to see grey haired women browse "Bringing up Baby" books at the local book store. One tends to think what they did with their own off springs. Ask them and pat comes the reply "it was so easy then. They grew up on their own." The mother may wear many hats at the same time. But to her or her parents. The mind boggling thing for the first few years is diaper changes, circadian rhythm and continual feeding. At home social life is taboo. Phone calls give cause for irritation, music becomes noise, friends and relatives become total strangers, the domestic help a spirit or mercy and the pediatrician a fairy god mother. Raising a kid is akin toa guerilla warfare and if you hear a woman say that her baby 'is beautiful and perfect and an angel all the time' then she is the grandma.

172. What is difficult for maternal grandparents?
   a) Raising grandchildren
   b) Feeding children
   c) Giving birth to grandchildren
   d) Bring up babies

173. How did the mother and the daughter share the same anxiety?
   a) Both were uneasy with the new born
   b) Both feared babies
   c) Both were concerned about raising the baby
   d) Both were nervous about shared responsibility

174. Why do female colleagues welcome retirement?
   a) They get lot of free time
   b) They become free to attend to household duties.
   c) They can be of help to their daughters and their offspring
   d) They can cook good food for their children and grandchildren.

175. "To wear many hats'' means
   a) Wear helmet
   b) Wear head gear
   c) Do hairstyling
   d) Undertake much work

176. Why is social life taboo at home?
   a) Babies are demanding.
   b) Babies do not like guests.
   c) Babies hate parties.
   d) Babies prefer to go out than stay at home.

Directions (Q. 177 to 181): Some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error corresponding to the appropriate letter (a, b, c). If sentence is free from error, your answer is No error (d).

177. The principal (a) / started his lecture (b) / with a pessimistic note.(c)/No error. (d)

178. Rohan had been playing (a) / for his club for fifteen years (b) / when his elbow got injured.(c) / No error. (d)

179. None of (a) / the twins (b) / offered to help me.(c)/No error. (d)

180. My teacher (a) / did not object (b) / to me using the calculator. (c) / No error. (d)

181. The river (a) / overflown(b) / its banks (c)/No error. (d)

Directions (Q. 182 to 186): In the following passage some of the words have been left out. Read the passages carefully and choose the correct answer to each question out of the alternatives and fill in the blanks.

   Meeting old school friends can be a strange experience. Some have changed so much that you can 182 recognize them: they speak with a different 183, are interested in different things, and all you can do is make 184 talk and hope they'll go soon. Others, though you might have been out of 185 with them for years, are just the same as they always were; it's 186 if you saw them yesterday.

182. a) easily   b) nearly
     c) almost   d) hardly

183. a) tongue   b) language
     c) accent   d) way

184. a) gossip   b) small
     c) little   d) silly

185. a) feel   b) sight
     c) touch   d) sound

186. a) as   b) just
     c) like   d) so

Directions (Q. 187 to 191): You have a passage with 5 questions. Read the passage carefully and choose the best answer to each question out of the four alternatives and mark it.

   Earth is the only planet so far known with the suitable environment for sustaining life. Land, water, air, plants and animals are the major components of the global environement. population, food and energy are the three fundamental problems facing mankind. Unemployment, inflation crowding, dwindling resources and pollution are all due to the factors like increasing population, high standard of living, deforestation etc.

   Man had been tempering with the

Ecosphere or a very long time and is forced to recognize that environmental resources are scare. Environmental problems are really social problems. They begin with people as cause and end with people as victims. Unplanned use of resources has resulted in the depletion of fossils, fuels, pollution of air and water, deforestation which has resulted in ecological imbalance and draining away of national wealth through heavy expenditure on oil and power generation.

187. Depletion of fossils and fuels, pollution of air and water and deforestation will never occur in case of
    a) over use of resources
    b) improper use of resources
    c) planned use of resources
    d) unplanned use of resources

188. We face the three fundamental problems that are
    a) population, food and energy
    b) inflation, deforestation and unemployment
    c) population, deforestation and energy
    d) population, inflation and food

189. Increasing population causes
    a) unemployment, inflation, crowding, dwindling resources and pollution
    b) unemployment and crowing
    c) inflation and pollution
    d) dwindling resources

190. National wealth is drained away by spending heavily on
    a) oil and power generation
    b) power generation
    c) fuels
    d) water and power generation

191. The three major components of the global environment are
    a) plants, animals and mankind
    b) food, energy and population
    c) high standard of living, crowding and inflation
    d) land, water and air

Directions (Q. 192 to 196): Some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error corresponding to the appropriate letter (a, b, c). If sentence is free from error, your answer is No error (d).

192. The police is investigating (a)/for the recent happening (b)/in the area. (c) /No error.(d)

193. The redevelopment project is aimed (a)/not just providing good houses to shanty dwellers, (b)/but also developing infrastructure around the major Mumbai localities. (c) /No error.(d)

194. Unless he apologizes (a)/ he should not be (b)/allowed to stay with us. (c)/No error.(d)

195. I met the gentleman (a)/today morning on my way (b)/to the market.(c) /No error.(d)

196. She regards (a)/negotiating prices with customers (b)/as her special expertise.(c) /No error.(d)

Directions (Q. 197 to 200): Sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four and indicate it.

197. We heard that the Richards_____their house recently.
    a) have shifted   b) will shift
    c) are shifting   d) had shifted

198. Internet cafe owners fear that a police crackdown may cause_____damage to their business.
    a) reparable   b) irreparable
    c) eternal   d) untold

199. The more he remonstrated_____the referee the worse the situation became.
    a) to   b) with   c) for   d) at

200. Our teacher encouraged_____setting the poem to music.
    a) him   b) he   c) he's   d) his

KEY

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

101. D	102. C	103. B	104. C	105. C
106. C	107. C	108. D	109. C	110. D
111. A	112. D	113. C	114. C	115. D
116. B	117. D	118. C	119. A	120. B
121. C	122. C	123. B	124. C	125. C
126. A	127. C	128. D	129. C	130. D
131. A	132. C	133. C	134. A	135. A
136. A	137. B	138. C	139. B	140. C
141. B	142. B	143. A	144. B	145. C
146. B	147. C	148. A	149. B	150. D
151. D	152. B	153. D	154. C	155. A
156. C	157. B	158. D	159. C	160. D
161. B	162. B	163. D	164. D	165. A
166. D	167. A	168. C	169. A	170. C
171. A	172. A	173. C	174. C	175. D
176. A	177. C	178. D	179. A	180. C
181. B	182. D	183. C	184. B	185. C
186. C	187. C	188. A	189. A	190. C
191. D	192. A	193. A	194. A	195. B
196. C	197. A	198. B	199. B	200. D

Prepared by
Classmate Academy,
Hyderabad