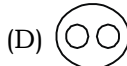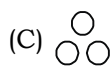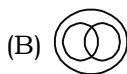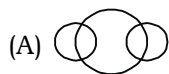1. The diagram below represents the students who play cricket, football and kabaddi.
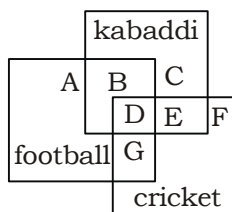


Seeing the diagram indicate the students who play all the 3 games.

(A) A + B + C      (B) G + E

(C) D + E + G      (D) D

2. If each circle represents a class of objects/ideas, written below then find out the answer figure which illustrates better the relationship among them:

"Cats, Rats, Animals"

(A)       (B) 

(C)       (D) 

3. If $6\dfrac{1}{x} \times \dfrac{4}{5} = 5$, what is $x$?

(A) 4      (B) 10

(C) 8      (D) 6

4. Which number gives the same result when added to $1\dfrac{1}{2}$ and when multiplied by $1\dfrac{1}{2}$?

(A) 1      (B) 3

(C) 5      (D) 7

5. A clock goes fast by one minute during the first hour, by two minutes at the end of the second hour, by 4 minutes at the end of 3$^{rd}$ hour, by eight minutes by the end of 4$^{th}$ hour, and so on. At the end of which hour, will it be fast by just over sixty minutes?

(A) Fifth      (B) Sixth

(C) Seventh      (D) Eighth

6. A clock with only dots marking 3, 6, 9 and 12 positions has been kept upside down in front of a mirror. A person reads the time in the reflection as 9.50. What is the actual time?

(A) 2.15      (B) 8.45

(C) 8.50      (D) 4.15

7. A, B, C, D and E are 5 schools facing towards north. A is in the middle of E and B. E is to the right of D. If C and D are at two ends, which school is on the left side of C?

(A) E      (B) A

(C) D      (D) B

8. A is father of B and C.

B is the son of A.

But C is not the son of A.

How is C related to A?

(A) Niece      (B) Son-in-law

(C) Daughter      (D) Grandson

9. Hari is twice as old as Johnny, who is three years older than Rahul. If Hari's age is five times Rahul's age, how old is Johnny?

(A) 2 years      (B) 4 years

(C) 5 years      (D) 8 years

**Directions: In questions no. 10 and 11, a word given in capital letters is followed by four answer words. Out of these only one *cannot* be formed by using the letters of the given word. Find out that word.**

10. CATERING

(A) ARGENTIC      (B) CREATING

(C) RETIRING      (D) REACTING

11. STCTRUIONMISCON

(A) STRICT      (B) CONSTRUCTION

(C) STATION      (D) MOTION

12. Which one of the following responses is correct?

$8 * 5 * 27 * 3 * 16$

(A) ×, =, -, +      (B) -, =, ×, +

(C) ×, =, +, -      (D) +, -, =, ×

13. In a code language the following alphabets are coded in a particular way:

A C D E G H K L M N O S

Which word can be decoded from the following?

(A) HONEST      (B) HOMAGE

(C) HOCKEY      (D) HOSTEL

14. In a certain language, BUTTER is coded as CVUUFS, BREAD is coded as CSFBE, then how COFFEE is coded?
    (A) DPGGFF     (B) GGDPFF
    (C) GDPGFF     (D) FFDPGG

15. If CLOUD can be coded as 59432 and RAIN as 1678, how can AROUND be coded?
    (A) 614832     (B) 614382
    (C) 641382     (D) 461382

**Directions: (Question Nos. 16 to 17) A statement is given followed by two conclusions, I and II. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You are to decide which of the given conclusions can definitely be drawn from the given statement Indicate your answer.**

16. Statements : Use of cosmetics is hazardous.
    Conclusions : I. Cosmetics have side effects.
                   II. Cosmetics are inexpensive.
    (A) Only I follows
    (B) Only II follows
    (C) Both I and II follow
    (D) Neither I nor II follows

17. Statement : Honesty and hard work lead to economic improvement of an individual.
    Conclusions : I. There is a direct relation between honesty and economic improvement.
    II. Hard work and honesty always pay dividends.
    (A) I is implicit
    (B) II is implicit
    (C) I and II are implicit
    (D) I and II are not implicit

**Directions: In questions no. 18 to 20, select the related letters/word /number from the given alternatives.**

18. 72 : 18 : : 56 : ?
    (A) 24     (B) 22
    (C) 20     (D) 16

19. Sleep : Rest : : Play : ?
    (A) Enjoyment     (B) Learning
    (C) Injury     (D) Champion

20. LKJ : MNO : : DCB : ?
    (A) FEG     (B) EGF
    (C) FGH     (D) EFG

21. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?
    _ a _ aaaba _ _ ba _ ab _

    (A) abaaaa     (B) abaaba
    (C) aababa     (D) ababaa

**Directions: Question Nos. 22 to 24, Find the missing number/letters/figure from the given responses.**

22. (?), PSVYB, EHKNQ, TWZCF, ILORU
    (A) BEHKN     (B) ADGJM
    (C) SVYBE     (D) ZCFIL

23. 0, 4, 18, 48, ?, 180
    (A) 58     (B) 68
    (C) 84     (D) 100

24. 36, 28, 24, 22, ?
    (A) 18     (B) 19
    (C) 21     (D) 22

25. Certain equations are based on a certain system. Find out the correct answer for the unsolved equation on that basis:
    If $14 \times 13 = 128$ and $16 \times 13 = 280$ then $15 \times 11 = ?$
    (A) 516     (B) 156
    (C) 165     (D) 615

**Directions: Questions Nos. 26 to 28, select the missing number from the given responses.**

26. 18   15    17   19    15   14

        549       650      ?

    (A) 210     (B) 225
    (C) 196     (D) 421

27.
| 5 | 8 | 13 |
|---|---|----|
| 6 | 9 | 15 |
| 4 | 12 | ? |
| 60 | 432 | 1560 |

    (A) 16     (B) 32
    (C) 29     (D) 120

28.
| 173 | (24) | 526 |
|-----|------|-----|
| 431 | (18) | 325 |
| 253 | (?) | 471 |

    (A) 22     (B) 42
    (C) 30     (D) 6

29. → stands for +, ← stands for -, ↑ stands for ÷, ↓ stands for ×, ↗ stands for =, which one is correct?
    (A) $2 \downarrow 5 \leftarrow 6 \rightarrow 2 \nearrow 6$
    (B) $5 \rightarrow 7 \leftarrow 4 \uparrow 2 \nearrow 3$
    (C) $3 \downarrow 6 \uparrow 2 \rightarrow 3 \leftarrow 6 \nearrow 5$
    (D) $7 \leftarrow 43 \uparrow 6 \downarrow 1 \nearrow 4$

**Directions: Question No. 30, some statements are given, 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 conclusion, if any, from the given statements will definitely follow.**

30. All men are mortal.

    Ramu is a man.

    (A) No man is mortal.

    (B) Ramu is mortal.

    (C) Ramu is immortal.

    (D) All men are immortal.

31. The following equations follow a common property. Find out the correct value to complete D:

    A = 51 (714) 14;      B = 61 (915) 15;

    C = 71 (1136) 16;     D = 81 (?)17

    (A) (1377)             (B) (1378)

    (C) (1356)             (D) (1346)

32. Some questions are solved on the basis of a certain system. Identify that operation and find out the correct answer from the four responses given.

    a = 14(290)15          b = 16(330)17

    c = 18(?)19

    (A) 300                (B) 270

    (C) 170                (D) 370

33. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given question figure?
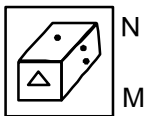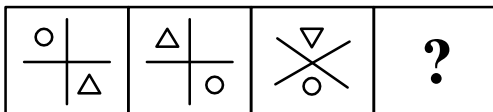
    **Question figure**
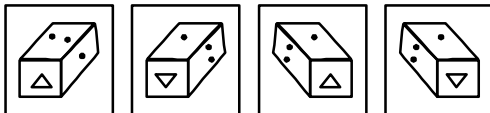
    

    **Answer figures**

    

    (A)        (B)        (C)        (D)

34. **Question figures**

    

    **Answer figures**
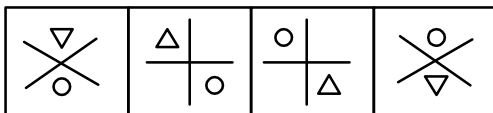
    

    (A)        (B)        (C)        (D)

35. **Question figure**
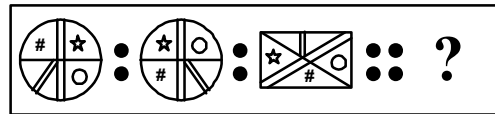
    

    **Answer figures**
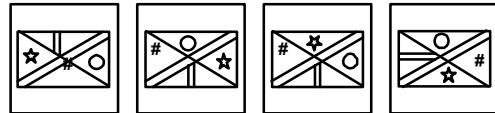
    

    (A)        (B)        (C)        (D)

36. Which one of the answer figure shall be complete the given question figure?

    **Question figure**
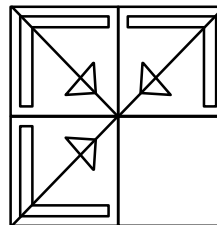
    

    **Answer figures**
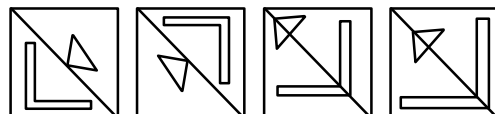
    

    (A)        (B)        (C)        (D)

37. A series of figures are given which can be grouped into classes. From the responses select the groups into which the figure can be classified?
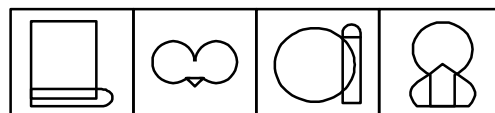
    

    1        2        3        4
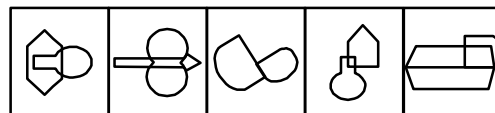
    

    5        6        7        8        9

    (A) 1,3,9; 2,6,7; 4,5,8    (B) 1,3,9; 2,7,8; 4,5,6

    (C) 1,3,9; 4,5,7; 2,6,8    (D) 1,3,5; 2,4,9; 6,7,8

38. How many rectanges are there in the figure?

    

    (A) 24                (B) 16

    (C) 22                (D) 14

3
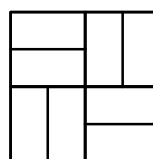
**Directions (Q. 39-40): In each of the questions below are given two statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.**

39. **Statements:** All desks are rooms.

    All rooms are halls.

    **Conclusions: I.** All desks are halls.

    **II.** Some halls are rooms.

    (A) I and II follow    (B) Only I follows

    (C) Only II follows   (D) None follows

40. **Statements:** Some pens are tables.

    All tables are umbrellas

    **Conclusions: I.** All pens are umbrellas.

    **II.** All umbrellas are tables.

    (A) Only I follows    (B) Only II follows

    (C) I and II follow    (D) None follows

**Directions: (Q. No. 41 to 45, Study the following informations carefully and answer the questions given below:**

B, M, K, H, T, R, D, W and A are sitting around a circle facing the centre. R is third to the right of B. H is second to the right of A who is second to the right of R. K is third to the right of T who is not an immediate neighbour of H. D is second to the left of T. M is fourth to the right of W.

41. Who is to the immediate left of W?

    (A) R                (B) T

    (C) B                (D) None of these

42. Who is third to the left of M?

    (A) B                (B) W

    (C) K                (D) None of these

43. Who is third to the left of H?

    (A) T                (B) K

    (C) R                (D) Data inadequate

44. Who is to the immediate left of D?

    (A) H                (B) M

    (C) B                (D) None of these

45. In which of the following combinations is the third person sitting in between the first and the second persons?

    (A) BDT              (B) MHD

    (C) KAM              (D) WKR

**Directions (Q. 46-50): Study the following information carefully to answer these questions.**

Eight members A, B, C, D, E, F, G and H belonging to three families X, Y, Z go for weekend outing in three different cars I, II, III. Four out of eight members are females. Members of any one family travel in different cars. Each car has at least one male and one female member. Each family has at least two members.

A belongs to family Y and he travels in car III. D is wife of E and they travel in cars I & II respectively. H is son of B who is wife of G and they belong to family Z. C is daughter of F who is wife of A. C travels in car II. G does not travel with F.

46. Which of the following group of persons travel in car I?

    (A) D, F, G          (B) D, G, H

    (C) D, F, H          (D) None of these

47. Which car has only two members travelling in it?

    (A) II

    (B) III

    (C) II or III

    (D) Cannot be determined

48. Which of the following of families Y & Z travel in different cars?

    (A) F, G             (B) C, G

    (C) C, F             (D) None of these

49. Which of the following group of persons is a group of all females?

    (A) B, D, G          (B) A, B, C

    (C) B, E, F          (D) None of these

50. Which of the following members of families X & Y travel in the same car?

    (A) C, F             (B) D, F

    (C) C, D             (D) None of these

51. The value of $\sqrt{400} + \sqrt{4} + \sqrt{0.04} + \sqrt[3]{0.008}$ is

    (A) 22.22  (B) 22.02
    (C) 22.04  (D) 22.4

52. If $x + \dfrac{1}{x} = 4$, then $x^3 + \dfrac{1}{x^3}$ is

    (A) 64  (B) 32
    (C) 52  (D) 16

53. Two numbers are in the ratio 7: 11. If 7 is added to each of the numbers, the ratio becomes 2 : 3. The smaller number is

    (A) 39  (B) 49
    (C) 66  (D) 77

54. A number, when divide by 136, leaves remainder 36. If the same number is divided b y 17, the remainder will be

    (A) 9  (B) 7
    (C) 3  (D) 2

55. Simplified form of

    $$\left[\left(\sqrt[5]{x^{-3/5}}\right)^{-5/3}\right]^5$$

    (A) $x^5$  (B) $x^{-5}$

    (C) $x$  (D) $\dfrac{1}{x}$

56. $\left(1-\dfrac{1}{5}\right)\left(1-\dfrac{1}{6}\right)\left(1-\dfrac{1}{7}\right)\ldots\ldots\ldots\left(1-\dfrac{1}{100}\right)$ is equal to

    (A) 0  (B) $\dfrac{1}{25}$

    (C) $\dfrac{1}{100}$  (D) $\dfrac{1}{50}$

57. The sum of n terms of the series

    $$1+\dfrac{1}{2}+\dfrac{1}{2^2}+\dfrac{1}{2^3}\ldots\ldots\ldots \text{ is}$$

    (A) $\dfrac{2^n-1}{2^n-1}$  (B) $\dfrac{2^{n-1}-1}{2^n-2}$

    (C) $2-2^n$  (D) $\dfrac{2^n-1}{2^n}$

58. The scale of a map is given as $1:4\times 10^5$. If the distance between two points in the map is 4 cm, what is the actual distance between the two points?

    (A) 16 cm  (B) 16 m
    (C) 16 km  (D) 4 km

59. The sum of the digits of the smallest number which when multiplied by 900, gives a perfect cube is

    (A) 2  (B) 3
    (C) 6  (D) 9

60. Find the largest number, which exactly divide every number of the form $(n^3 - n)(n - 2)$ where n is a natural number greater than 2.

    (A) 6  (B) 12
    (C) 24  (D) 48

61. The sum of the interior angles of a convex rectilinear figure is equal to the sum of the exterior angles. Then the number of sides is

    (A) 4  (B) 5
    (C) 6  (D) 8

62. If a commission of 10% is given on the marked price of an article, the gain is 20%. The gain percent, when the commission is increased to 20%, will be

    (A) $6\dfrac{2}{3}$  (B) 5

    (C) 8  (D) $5\dfrac{1}{3}$

63. The difference between a discount of 40% on ₹ 500 and two successive discount of 30% and 10% on the same amount is

    (A) ₹ 15  (B) 0
    (C) ₹ 20  (D) ₹ 10

64. A train with a uniform speed passes a platform, 122 meters long, in 17 seconds and a bridge, 210 meters long, in 25 seconds. The speed of the train is

    (A) 46.5 km/hour  (B) 37.5 km/hour
    (C) 37.6 km/hour  (D) 39.6 km/hour

65. If x : y = 2:5 , then (5x + 3y) : (5x - 3y) is equal to

    (A) 5  (B) 3
    (C) -3  (D) -5

66. A mixture of 40 litres of milk and water contains 10% of water. How much water must be added to make the water 20% in the new mixture?

    (A) 10 litres  (B) 7 litres
    (C) 5 litres  (D) 3 litres

67. A circle and a square have equal areas. The ratio of a side of the square and the radius of the circle is?

(A) $1 : \sqrt{\pi}$      (B) $\sqrt{\pi} : 1$

(C) $1 : \pi$      (D) $\pi : 1$

68. If A : B = 1 : 2, B : C = 3 : 4, C : D = 6 : 9 and D : E = 12 : 16, then A : B : C : D : E is equal to
(A) 1 : 3 : 6 : 12 : 16
(B) 2 : 4 : 6 : 9 : 16
(C) 3 : 4 : 8 : 12 : 16
(D) 3 : 6 : 8 : 12 : 16

69. A sum of money doubles itself at some rate of compound interest in 15 years. In how many years will it become eight times of itself with the same rate?
(A) 30      (B) 45
(C) 48      (D) 60

70. The value of a property decreases every year at the rate of 5%. If its present value is ₹ 4, 11, 540, what was its value 3 years ago?
(A) ₹ 4, 50, 000      (B) ₹ 4, 60, 000
(C) ₹ 4, 75, 000      (D) ₹ 4, 80, 000

71. The price of an article has been reduced by 25%. In order to restore the original price, the new price must be increases by?

(A) $9\dfrac{1}{11}$      (B) $11\dfrac{1}{9}$

(C) $33\dfrac{1}{3}$      (D) $36\dfrac{2}{3}$

72. A reduction of 25% in the price of rice enables a person to buy 10 kg more rice for ₹ 600. The reduced per kg price of rice is?
(A) ₹ 30      (B) ₹ 25
(C) ₹ 20      (D) ₹ 15

73. If $x = 5 + 2\sqrt{6}$, then the value of $\left(\sqrt{x} + \dfrac{1}{\sqrt{x}}\right)$ is

(A) $2\sqrt{2}$      (B) $3\sqrt{2}$

(C) $2\sqrt{3}$      (D) $3\sqrt{3}$

74. The least number, that must be added to 1720 so as to obtain a perfect cube, is
(A) 7      (B) 8
(C) 11      (D) 13

75. The greatest number among $2^{60}, 3^{48}, 4^{36}$ and $5^{24}$ is
(A) $2^{60}$      (B) $3^{48}$
(C) $4^{36}$      (D) $5^{24}$

76. The product of two numbers is 0.008. One of the numbers is $\dfrac{1}{5}$ of the other. The smaller number is
(A) 0.2      (B) 0.4
(C) 0.02      (D) 0.04

77. P, Q, R are three points so that PQ = 3 cm, QR = 5 cm and PR = 8 cm. Number of circles passing through the points P, Q, R is
(A) 0      (B) 1
(C) 2      (D) 3

78. AB is the diameter of a circle and ABCD is a cyclic quadrilateral in it. If ∠ACD = 40°, then the measure of ∠BAD is
(A) 50°      (B) 40°
(C) 80°      (D) 90°

79. A person went from A to B at an average speed of x km/hr. and returned from B to A at an average speed of y km/hr. What was his average speed during the total journey?

(A) $\dfrac{x+y}{2xy}$      (B) $\dfrac{2xy}{x+y}$

(C) $\dfrac{2}{x+y}$      (D) $\dfrac{1}{x} + \dfrac{1}{y}$

80. The average monthly salary of A and B is ₹ 14, 000, that of B and C is ₹ 15, 600, and that of A and C is ₹ 14, 400. Monthly salary of B is
(A) ₹ 12, 400      (B) ₹ 12, 800
(C) ₹ 15, 200      (D) ₹ 16, 000

81. The average age of ten members of a committee is the same as it was 2 years ago, as an old member has been replaced by a young member. How much younger is the new member to the old member?
(A) 20 years      (B) 15 years
(C) 10 years      (D) 2 years

82. The cost price of 20 articles is equal to the selling price of 15 articles. The profit percent is

(A) $16\dfrac{2}{3}$      (B) 20

(C) $33\dfrac{1}{3}$      (D) $66\dfrac{2}{3}$

83. The compound interest on ₹ 2, 400 at the rate of 8% per annum for 6 months, when the interest is to be calculated half-yearly, will be
(A) ₹ 192      (B) ₹ 196
(C) ₹ 96      (D) ₹ 48

84. In a partnership business. A invests $\frac{1}{4}$ of the capital for $\frac{1}{3}$ of the time, B invests $\frac{1}{6}$ of the capital for $\frac{1}{4}$ of the time and C, the rest of the capital for the whole time. Out of a profit of ₹ 9, 962 . A's share is
(A) ₹ 1, 172          (B) ₹ 1, 586
(C) ₹ 2, 804          (D) ₹ 4, 102

85. 40 minutes more is required to cover a certain distance at a speed of 6 km/hr. than covering the same distance at a speed of 8 km./hr. The distance covered in km is
(A) 8          (B) 12
(C) 14          (D) 16

86. A man takes 4 hours 30 minutes to walk a certain distance and riding back. He could walk both ways in 8 hours 20 minutes. The time he will take to ride both ways is
(A) 20 minutes          (B) 30 minutes
(C) 40 minutes          (D) 1 hour

87. The difference between the selling prices of an aritcle at a profit of 15% and at a profit of 10% is ₹ 10. The cost price of the article is
(A) ₹ 100          (B) ₹ 120
(C) ₹ 150          (D) ₹ 200

88. A man bought 20 dozen eggs for ₹ 720. What should be the selling price of each egg if he wants to make a profit of 20%?
(A) ₹ 3.25          (B) ₹ 3.30
(C) ₹ 3.50          (D) ₹ 3.60

89. When the price of rice increases by $12\frac{1}{2}\%$ a man can get 250 gm less rice of ₹ 18. The present cost of rice per kg is
(A) ₹ 8          (B) ₹ 9
(C) ₹ 16          (D) ₹ 18

90. If a = 2.3, b = 3.2 and c = -5.5, then the value of $a^3 + b^3 + c^3 - 3abc$ is
(A) 11          (B) 10
(C) 3          (D) 0

91. The greates number among
$\sqrt[3]{2}, \sqrt[5]{3}, \sqrt[7]{4}$ and $\sqrt[8]{9}$
(A) $\sqrt[3]{2}$          (B) $\sqrt[5]{3}$
(C) $\sqrt[7]{4}$          (D) $\sqrt[8]{9}$

92. If $\sin^2 q + \cosec^2 q = x$ then the value of x will be -
(A) $x \le 2$          (B) $x \le 1$
(C) $x \ge 1$          (D) $x \ge 2$

93. If $\frac{\sin x}{1+\cos x} + \frac{\sin x}{1-\cos x} = 4$ and $0^0 < 90^0$, then the value of x is-

(A) $10^0$          (B) $15^0$
(C) $30^0$          (D) $45^0$

94. If $0^0 < \theta < 90^0$ and $\tan \theta = \sqrt{6+\sqrt{6+\sqrt{6+\ldots\ldots}}}$ then the value of $\sec^2 \theta$ is-
(A) 4          (B) 10
(C) $\frac{4}{3}$          (D) $\frac{10}{9}$

95. What is the angle of elevation of the sun, when the length of the shadow of a tree is $\sqrt{3}$ times the height of the tree
(A) $90^0$          (B) $60^0$
(C) $45^0$          (D) $30^0$

96. If S denotes the area of the curved surface of a right circular cone of height h and semivertical angle $\alpha$ then S equals
(A) $\pi h^2 \tan^2 \alpha$          (B) $\frac{1}{3}\pi h^2 \tan^2 \alpha$
(C) $\pi h^2 \sec \alpha \tan \alpha$  (D) $\frac{1}{3}\pi h^2 \sec \alpha \tan \alpha$

**Directions (97 - 100): Study the following table and answer the questions based on it :**
**(In ₹ Lacks)**

| XYZ Co. Pvt. Ltd. | | | |
|---|---|---|---|
| Year | Total Sales | Gross Profit | Net Profit |
| 2005 | 351.6 | 155.5 | 54.2 |
| 2006 | 407.6 | 134.3 | 42.6 |
| 2007 | 380.1 | 149.9 | 38.9 |
| 2008 | 439.7 | 160.5 | 50.3 |
| 2009 | 485.9 | 203.3 | 65.8 |

97. In which year the difference between the total sales and the gross profit is the least?
(A) 2005          (B) 2006
(C) 2007          (D) 2008

98. The total sale in 2008 is approximately what percent of the total sales of 2005?
(A) 75          (B) 85
(C) 100          (D) 125

99. Which years show increase in all categories simultaneously i.e. total sales, gross profit and net profit as compared to the previous year?
(A) 2008 and 2009 both
(B) 2009 and 2007both
(C) 2007 and 2008 both
(D) 2005 and 2006 both

100. The percent increase in the gross profit was the maximum in which year as compared to the previous one?
(A) 2006          (B) 2007
(C) 2008          (D) 2009

101. Consider the following statements:
     1. Dayanand Saraswati founded the Arya Samaj in 1875.
     2. The Arya Samaj repudiated the authority of the caste system.
     3. Dayanand Sarswati was born in a Brahman family.
     ***Which of the statements given above are correct?***
     (A) 1, 2 and 3      (B) 1 and 2 only
     (C) 2 and 3 only    (D) 1 and 3 only

102. The doctrines of "non-violence" and "civil disobedience" associated with Mahatma Gandhi were influenced by the works of
     (A) Churchill-Irwin-Tolstoy
     (B) Ruskin-Tolstoy-Thoreau
     (C) Thoreau-Hume-Shaw
     (D) Cripps-Tolstoy-Howes

103. Consider the following passage:
     It urged people to resign from government offices, shun the British law-courts, withdraw from schools and colleges and boycott the elections. On the other hand, there was a campaign for using indigenous goods, especially khadi or homespun cloth. Which movement does the above passage relate to?
     (A) Swadeshi          (B) Non-cooperation
     (C) Civil Disobedience (D) Quit India

104. Which one among the following was **not** a programme adopted by the Congress while launching the non-cooperation movement?
     (A) Surrender of titles and honorary offices, resignation from nominated seats in local bodies, boycott of the official and semi official functions
     (B) Withdrawal of children from government schools and colleges
     (C) Boycott of elections, foreign goods and government courts
     (D) Refusal to pay the revenues to the government

105. The Chola kings were ruling over
     (A) Tamil Nadu       (B) Andhra
     (C) Kerala           (D) Bengal

106. Why was the Simon Commission boycotted by the Indians?
     (A) It did not include any Indian as a member
     (B) It did not have any woman member
     (C) It was appointed before the stipulated time
     (D) It refused to meet prominent Indian leaders

107. Who was the first Indian to become member of British Parliament?
     (A) W.C. Bannerjee
     (B) Behramji M. Malabari
     (C) D.N. Wacha
     (D) Dadabhai Naoroji

108. Fahien's mission to India was to
     (A) Learn about the administrative system of the Gupta kings
     (B) Understand the social position of women during the Gupta period
     (C) Visit the Buddhist institutions and to collect copies of Buddhist manuscripts
     (D) Get full knowledge about the condition of peasants during the period of Gupta kings

109. Which British Military Officer defeated Tipu Sultan in India, Napolean Bonaparte in Europe and eventually became the Duke of Wellington?
     (A) Arthur Wellesley   (B) Robert Clive
     (C) Warren Hastings    (D) Richard Wellesley

110. The ***Ashtadhyayi*** of Panini, the ***Mahabhasya*** of Patanjali and the ***Kashika Vritti*** of Jayaditya deal with
     (A) Principles of Law
     (B) Principle of Phonetics
     (C) Principles of Grammar
     (D) Principle of Linguistics

111. On the tributary of which river has Rihand Dam been constructed?
     (A) Chambal          (B) Yamuna
     (C) Son              (D) Periyar

112. The length of India's coastline is about
     (A) 4900 kms         (B) 5700 kms
     (C) 7500 kms         (D) 8300 kms

113. Which one among the following is the most important reason behind the prevalence of extreme type of climate in different parts of India?
(A) The long latitudinal extent
(B) The east-west alignment of the Himalayas
(C) The peninsular location of the country
(D) The significant variation in altitude

114. Why western coast of India receives heavy rainfall but the Deccan Plateau receives very little?
(A) The Deccan Plateau is situated on the beeward side of the Western Ghats
(B) The region is simply bypassed by the south-west monsoon
(C) There is lack of high mountains in the Deccan Plateau
(D) There is weak low pressure belt

115. Which one of the following statements is **not** correct?
(A) Kandla is a tidal part
(B) Cochin part is located at the entrance of a lagoon
(C) Chennai is a natural harbour
(D) Visakhapatnam is the deepest landlocked port in India

116. Which one of the following countries does **not** border Lake Victoria?
(A) Kenya          (B) Tanzania
(C) Uganda         (D) Zambia

117. Which one of the following zones of the atmosphere is rich in ozone gas?
(A) Mesosphere     (B) Troposphere
(C) Stratosphere   (D) Ionosphere

118. Which one of the following is the first National Park established in India?
(A) Bandipur       (B) Corbett
(C) Velavadar      (D) Periyar

119. Which one of the following lakes in the India has the highest water salinity?
(A) Dal            (B) Chilika
(C) Wular          (D) Sambhar

120. In which one of the following islands of India is an active volcano found?
(A) Car Nicobar Island
(B) Nancowry Island
(C) Barren Island
(D) Maya Bunder Island

121. Which one of the following is advance grants made by the House of People in respect of the estimated expenditure for a part of the ensuing financial year, pending the regular passage of the budget?
(A) Supplementary grants
(B) Special grants
(C) Vote on credit
(D) Vote on account

122. Which of the following statements are correct?
The attorney general of India
1. must have the qualifications as that required by a judge of the supreme court.
2. enjoys the same privileges and immunities as the members of Parliament.
3. has the right of audience in all courts of India .
4. his salaries and expenses are charged on the Consolidated Fund of India.
Select the correct answer using the code given below:
(A) 1, 2 and 3      (B) 1 and 2 only
(C) 3 and 4         (D) 2 and 4

123. Who among the following Prime Ministers of India never had to seek trust vote (vote of confidence) from the *Lok Sabha*?
(A) Indira Gandhi
(B) P.V. Narasimha Rao
(C) H.D. Devegowda
(D) Manmohan Singh

124. Who among the following Prime Ministers of India has **not** presented the budget?
(A) Jawaharlal Nehru    (B) Morarji Desai
(C) Indira Gandhi       (D) Rajeev Gandhi

125. The Parliament is entitled to enact a law of preventive detention for reasons connected with.
(A) defence             (B) foreign affairs
(C) security of India   (D) all the above

126. The item 'Education' belongs to the
(A) Union List
(B) State List
(C) Concurrent List
(D) Residuary Subjects

127. Who were the three eminent statement who started the Non-aligned Movement?
(A) Jawaharlal Nehru, Anwar Sadat, Soekarno
(B) Jawaharlal Nehru, Chou En-lai, Kwame Nkrumah
(C) Jawaharlal Nehru, Fidel-Castro, Marshal Tito
(D) Jawaharlal Nehru, Gamal Abdul Nasser, Marshal Tito

128. What is the maximum time interval permitted between two sessions of Parliament?
(A) 4 months (B) 6 months
(C) 8 months (D) 9 months

129. The Presidential Government operates on the principle of
(A) Division of Powers between Centre and States
(B) Centralisation of Power
(C) Balance of Powers
(D) Separation of Powers

130. Who is empowered to transfer a Judge from one High Court to another High Court?
(A) Chief Justice of India
(B) President of India
(C) Law Minister of India
(D) The Union Cabinet

131. Persons who are colour-blind cannot distinguish between
(A) yellow and white (B) green and blue
(C) red and green (D) black and yellow

132. Estrogen and Progesterone control and stimulate the growth in
(A) Pituitary Gland (B) Thyroid Gland
(C) Mammary Gland (D) Supra Renal Gland

133. The basic chemical building block of natural rubber obtained from trees is
(A) Isoprene (B) Vinyl Chloride
(C) Acetylene (D) Neoprene

134. The biological death of a patient means the death of tissues of the
(A) kidney (B) heart
(C) brain (D) lungs

135. The surface tension of water on adding detergent to it
(A) increases (B) decreases
(C) no change (D) becomes zero

136. It is easier to carry two buckets of water each in one hand, than to carry only one in one hand because
(A) weights of buckets are balanced
(B) centre of gravity falls within the body
(C) centre of gravity and centre of equilibrium fall within the feet
(D) resultant weight of buckets is zero

137. 'Vinegar' is a commercial name of
(A) Oxalic acid (B) Hydrochloric acid
(C) Acetic acid (D) Citric acid

138. In a refrigerator, the cooling system should always be
(A) at the top (B) at the bottom
(C) at the middle (D) can be anywhere

139. Which metal does not undergo corrosion due to the formation of oxide layer?
(A) Copper (B) Iron
(C) Aluminium (D) Zinc

140. Submarines move under water. They have engines that run on
(A) Petrol and oxygen (B) Diesel
(C) Batteries (D) Steam

141. The Bhopal gas tragedy was caused by the gas
(A) Methyl chloride
(B) Methyl Iso Cyanide
(C) Methyl Iso Cyanate
(D) Methyl Cyanide

142. Match List – I *(Missiles / Aircraft)* with List – II *(Type)* and select the correct answer using the codes given below the Lists:

| List-I (Missiles/ Aircraft) | List-II (Type) |
|---|---|
| A. Prithvi II | 1. Surface-to-air missile |
| B. Brahmos | 2. Surface-to-surface ballistic missile |
| C. Akash | 3. Supersonic cruise missile |
| D. Tejas | 4. Light combat aircraft |

**Codes:**

|  | A | B | C | D |
|---|---|---|---|---|
| (A) | 2 | 3 | 1 | 4 |
| (B) | 1 | 4 | 2 | 3 |
| (C) | 2 | 4 | 1 | 3 |
| (D) | 1 | 3 | 2 | 4 |

143. Consider the following statements:
1. Corporation tax and customs duty go exclusively to the Union.
2. Surcharge on income tax and stamp duty go exclusively to the States.

Which of the statements given above is/are correct?
(A) 1 only (B) 2 only
(C) Both 1 and 2 (D) Neither 1 nor 2

144. Match List-I *(Defence Training Institute)* with List-II *(Location)* and select the correct answer using the codes given below the Lists:

| List-I Defence Training Institute | List-II Location |
|---|---|
| A. INS Valsura | 1. Mau |
| B. Air Force Administrative College | 2. Coimbatore |
| C. Army War College | 3. Jamnagar |
| D. Institute of Military Law | 4. Kamptee |

**Codes:**

|     | A | B | C | D |
|-----|---|---|---|---|
| (A) | 3 | 4 | 1 | 2 |
| (B) | 1 | 2 | 3 | 4 |
| (C) | 3 | 2 | 1 | 4 |
| (D) | 1 | 4 | 3 | 2 |

145. Which one of the following pairs is **not** correctly matched?

| Organization | Headquaters |
|---|---|
| (A) Asian Development Bank | : Manila |
| (B) Organization of American States (OAS) | : Washington |
| (C) Commonwealth of Independent States (CIS) | : Minsk |
| (D) South Asian Association for Regional Cooperation (SAARC) | : Colombo |

146. Deepika Kumari is associated with the game of -------.
(A) Golf
(B) Archery
(C) Lawn Tennis
(D) Hockey

147. The next G-20 Summit will be held in September, 2013 in -------.
(A) Russia
(B) China
(C) India
(D) Japan

148. In which year Swarna Jayanti Shahari Rozgar Yojana was launched?
(A) 1998
(B) 1997
(C) 2000
(D) 2002

149. India has won how many medals at recently concluded olympic games?
(A) 7
(B) 6
(C) 5
(D) 4

150. The 2012 Olymipcs were held in which of the following country?
(A) London
(B) Tokyo
(C) Brazil
(D) Washington

**Directions (151-155): In the following questions, some of the sentences have errors and some have none. Find out which part of a sentence has an error and blacken the oval [●] corresponding to the appropriate number (1, 2, 3). If there is no error, blacken the oval [●] corresponding to number (4) in the answer-sheet.**

151. (A) Two hours have passed / (B) since / (C) he had fallen asleep./ (D) No error.

152. (A) Having broken down / (B) the driver sent the car / (C) to the garage./ (D) No error.

153. (A) He is one of those writers / (B) who has won acclaim / (C) the world over./ (D) No error.

154. (A) The items I liked most / (B) were the rosewood carvings / (C) and the teak-wood furnitures of Dutch design./ (D) No error.

155. (A) A part of the training / (B) they offered was / (C) real good./ (D) No error.

**Directions (156-160): In the following question, four alternatives are given for the idiom/phrase in bold in the sentence. Choose the alternative which best expresses the meaning of the idiom/phrase.**

156. He went on **sowing wild oats;** he reaped sufferings in his old age.
    (A) Inviting troubles as a boy
    (B) Warning others as a young man
    (C) Irresponsible pleasure seeking in young age
    (D) Sowing gains called oats when young

157. I don't know why she has become **stand-offish** recently.
    (A) Angry          (B) Hilarious
    (C) Indifferent    (D) Unmanageable

158. I cannot **put up with** your misconduct any longer.
    (A) Excuse         (B) Refuse
    (C) Accept         (D) Tolerate

159. I did not mind what he was saying, he was only **talking through his hat.**
    (A) Talking nonsense
    (B) Talking ignorantly
    (C) Talking irresponsibly
    (D) Talking insultingly

160. He is so furious that he would **go through fire and water** to revenge himself on his foe.
    (A) Approach everybody for help
    (B) Avail himself of any opportunity
    (C) Use any conceivable method
    (D) Undergo any risk

**Directions (161-165): In the following questions, out of four option only one word is correctly spelt. Find the word and indicate it in the Answer Sheet by blackening the appropriate rectangle.**

161. (A) Consience      (B) Conscience
     (C) Consciens      (D) Consiens

162. (A) Magneficent    (B) Magnificnt
     (C) Magnificient   (D) Magnefecent

163. (A) Rennassance    (B) Renaissance
     (C) Rennaiscence   (D) Renaissence

164. (A) Irrepairable   (B) Irreparable
     (C) Irreparabal    (D) irepairable

165. (A) Superflous     (B) Superfluous
     (C) Superflows     (D) Superflus

**Directions: In the following passage (Question Nos. 166-175), some of the words have been left out and the blanks have been numbered from 166 to 175. First read the passage over and try to understand what it is about. Then fill in the blanks with the help of the alternatives given. Mark your answer in the Answer Sheet.**

Learning to keep our environment 166 is absolutely necessary 167 polluted environment affects us in many ways. It is needless to stress the importance 168 fresh air, pure water and clean surroundings. We must 169 an earnest effort to achieve this laudable 170.

Firstly, we must keep our house and its 171 clean. Garbage of all kinds must be disposed 172 promptly. Secondly, drains should be kept 173 preventing disease-carrying flies and mosquitoes 174 in them. Lastly, water should not be allowed to stagnate 175 mosquitoes breed in these puddles and spread diseases like malaria, filaria and dengue fever.

166. (A) strong     (B) happy
     (C) shabby     (D) clean

167. (A) if         (B) for
     (C) but        (D) so

168. (A) by         (B) in
     (C) of         (D) from

169. (A) make (B) get
     (C) find (D) do
170. (A) view (B) goal
     (C) wish (D) desire
171. (A) clothes (B) inmates
     (C) items (D) surroundings
172. (A) of (B) off
     (C) out (D) down
173. (A) closed (B) opened
     (C) covered (D) tight
174. (A) sitting (B) sleeping
     (C) breeding (D) flying
175. (A) if (B) as
     (C) also (D) but

**Directions (176-180): In the following questions out of the four alternatives choose the one which can be substituted for the given words/sentence.**

176. One who collects coins
     (A) Archaeologist (B) Numismatist
     (C) Philatelist (D) Connoisseur

177. A system of Government in which only a group functions-
     (A) Oligarchy
     (B) Dictatorship
     (C) Totalitarianism
     (D) Theocracy

178. Customs and habits of a particular group:
     (A) Mores (B) Traditions
     (C) Rites (D) Rituals

179. A body of persons appointed to hear evidence and give their verdict in trials.
     (A) Association (B) Council
     (C) Bar (D) Jury

180. Indifference to pleasure or pain
     (A) Perseverance (B) Tolerance
     (C) Stoicism (D) Reticence

**Directions (181-185): In the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given bold word.**

181. Irreverence
     (A) disrespect (B) cruelty
     (C) unkindness (D) invalidity

182. Amicable
     (A) poisonous (B) friendly
     (C) satisfying (D) heartening

183. Prudent
     (A) wise (B) experienced
     (C) cautious (D) criminal

184. Panacea
     (A) flatter (B) praise
     (C) inactivity (D) cure-all

185. Benevolence
     (A) ill will (B) morbidity
     (C) kindness (D) vision

**Directions (186-190): In the following questions, out of four alternatives, choose the one which best expresses the opposite meaning of the word given in Capital letters.**

186. SMUG
     (A) authentic (B) dissatisfied
     (C) satisfaction (D) fictitious

187. REPEL
     (A) attend (B) concentration
     (C) continue (D) attract

188. APPALLING
     (A) shocking (B) consoling
     (C) scaring (D) horrifying

189. JEST
     (A) gravity (B) grim
     (C) genial (D) sport

190. CURTAIL
     (A) lengthen (B) shorten
     (C) entail (D) close

**Directions (191-195): In the following questions, you have a brief passage with five questions following the passage. Read the passage carefully and choose the best answer of each question out of the four alternatives.**

Among the natural resources which can be called upon in national plan for development, possibly the most important is human labour; without productive labour force, including effective leadership and intelligent middle management, no amount of foreign assistance of natural wealth can ensure successful development and modernization. One essential factor is usually overlooked or ignored. The forgotten factor is the role of women. Development will be handicapped as long as women remain second-class citizens, uneducated, without any voice in family or community decisions, without legal or economic status, married when they are still practically children, and thenceforth producing one baby after another, often only to see half of them die before they are of school age. We can enhance development by improving 'woman power' by giving women opportunity to develop themselves.

191. The most important natural resource for national development is
     (A) human labour
     (B) effective leadership
     (C) intelligent middle management
     (D) foreign assistance

192. Human power means
  (A) only men
  (B) only women
  (C) people including children
  (D) both men and women

193. The ignored and overlooked factor in the development of the nation is
  (A) role of women
  (B) role of middle management
  (C) role of child labour
  (D) role of foreign assistance

194. Women have hardly
  (A) any voice in family or community decisions
  (B) any economic or legal status
  (C) any voice in family or community decision or legal or economic status
  (D) any voice to decide about themselves

195. Woman power is
  (A) an essential power in the development of the nation
  (B) an essential power in child production
  (C) an essential power in marriages
  (D) an essential factor for the death of children

**Directions (196-200): In the following questions, 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.**

196. His wife has a twin who resembles each other so much that at first he had great trouble telling...........
  (A) one from the other
  (B) one from another
  (C) each other
  (D) who is which

197. At great length, that night they ..... the feasibility of their plans.
  (A) discussed about
  (B) discussed
  (C) discussed regarding
  (D) discussed on

198. Will those of you who have objections to this proposal ...... put up your hands, please?
  (A) discussed
  (B) being discussed
  (C) having discussed
  (D) discussing

199. She has frequent toothaches. So she decided to .......
  (A) remove her teeth
  (B) removing her teeth
  (C) have her teeth removed
  (D) having her teeth removed

200. At one time, Mr. Shukla ... this supermarket.
  (A) was owing      (B) use to own
  (C) had owned      (D) owned