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# ACC-I

**Previous Year Paper  
Feb 2017  
(GMAT Paper-I)**



**INDEX No \_\_\_\_\_**

**Time : 3 Hrs**

**Max Marks: 300**

**General Instructions**

1. There are 150 questions and all questions are compulsory.
2. Mark your response on OMR sheet provided for this part of the exam.
3. Each question carries two marks.
4. Do not write anything on the question paper except your index No in the space provided.

**Directions (1-6)** In each of the following series determine the order of the letters. Then from the given options select the one which will complete the given series.

1. F2, ?, D8, C16, B32
  - (a) A16
  - (b) G4
  - (c) E4
  - (d) E3
2. SCD, TEF, UGH, ...?, WKL
  - (a) CMN
  - (b) UJI
  - (c) VIJ
  - (d) IJT
3. GBH, HBG, IBJ, JBI, ...?
  - (a) KBM
  - (b) KBL
  - (c) LBK
  - (d) MBL
4. B2CD, BC3D, BCD4, \_\_\_, BC6D
  - (a) BC2D
  - (b) B5CD
  - (c) BCD2
  - (d) B7CD
5. AGMSY, CIOUA, EKQWC, ?, IOUAG, KOWCI
  - (a) GMSYE
  - (b) FMSYE
  - (c) GNSYD
  - (d) FMYES
6. 81Y, 27S, 9N, 3J ?
  - (a) OH
  - (b) 1G
  - (c) OF
  - (d) 1E

**DIRECTIONS (7 - 11)**. In the following questions one term in the number series is missing . Find the missing one from the given choices.

7. 8, 43, 11, 41, ...? 39, 17.
  - (a) 8
  - (b) 14
  - (c) 43
  - (d) 44

8. 0.15, 0.3, ...?, 1.2, 2.4.  
(a) 4.8 (b) 0.006 (c) 0.6 (d) 0.9
9. 2, 1,  $\frac{1}{2}$ , \_\_\_\_?  
(a)  $\frac{1}{3}$  (b)  $\frac{1}{8}$  (c)  $\frac{2}{1}$  (d)  $\frac{1}{4}$
10. 664, 332, 340, 170, \_\_\_\_, 89.  
(a) 85 (b) 97 (c) 109 (d) 178
11. 19, 23, 26, 30, 33, ?  
(a) 31 (b) 35 (c) 37 (d) 39

**DIRECTIONS ( 12 – 19).** Choose the correct analogy.

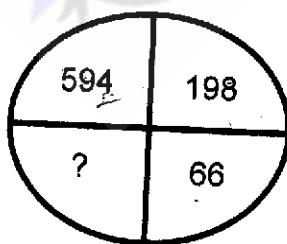
12. Paw : Cat :: Hoof : ...?  
(a) Lamb (b) Elephant (c) Lion (d) Horse
13. Peace : Chaos :: Creation : ...?  
(a) Build  
Manufacture (b) Construction (c) Destruction (d)
14. Bread : Yeast :: Curd : ...?  
(a) Fungi (b) Bacteria (c) Germs (d) Virus
15. Compass : North :: Odometer : ?  
(a) Direction (b) Speed (c) Temperature (d) Needle
16. Geology : Earth :: Entomology : ?  
(a) Insects (b) Behaviour (c) Science (d) Rocks
17. Arthritis : Joints :: Bronchitis : ?  
(a) Heart (b) Lungs (c) Liver (d) Kidney
18. Clock : Time :: Thermometer : ?  
(A) Heat (B) Radiation (C) Energy (D) Temperature
19. Bank : River : Coast : ?  
(A) Flood (B) Waves (C) Sea (D) Bea

**DIRECTIONS(20 - 27).** In these questions, you are requested to code/ decode to ascertain the answer.

20. If in a certain code YELLOW is written as XFKMNX, how is COUNTRY coded...?  
(a) DPVOSQX (b) BNTMSQX (c) BPTOSSX (d) AMSLRPW
21. If CAT is written as SATC and DEAR is written as SEARD, how can SING be coded?  
(a) BGINS (b) SIGNS (c) SINGS (d) GNISS
22. If E = 5, PEN = 35, then PAGE = ...?  
(a) 27 (b) 28 (c) 29 (d) 36
23. If 453945 stands for DECIDE, then decode 8978?  
(a) BHEE (b) CDEH (c) GHEE (d) HIGH
24. If SNAKE can be written as 18130104, then FROG can be written as:-  
(a) 517146 (b) 618157 (c) 719168 (d) 516157
25. If 'PENCIL' is written as "CILPEN" then 'STAPLE' will be written as :-  
(a) ELPATS (b) STAELP (c) PLESTA (d) PLEATS
26. In a certain code "GIGANTIC" is written as "GIGTANCI", How is "MIRACLES" written?  
(a) MIRLACES (b) MIRLACSE (c) RIMCALSE (d) RIMSCASE
27. If HARD is coded as 1357 and SOFT as 2468 what will 21448 stand for ?  
(a) SHAFT (b) SHORT (c) SHOOT (d) SHART

**DIRECTIONS (28-31).** In these questions, select the missing number from the given responses.

28.

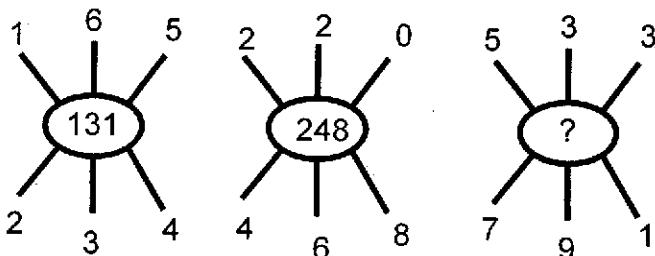


- (a) 11 (b) 33 (c) 22 (d) 12

29. 2                    7                    14  
       3                    4                    12  
       75                165                ?

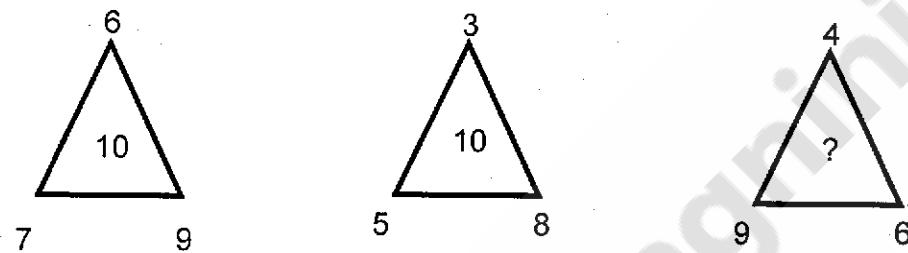
- (a) 12276            (b) 12376            (c) 12375            (d) 12121

30.



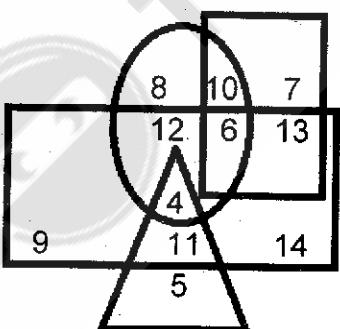
- (a) 320            (b) 274            (c) 262            (d) 132

31.



- (a) 11            (b) 15            (c) 10            (d) 20

**Directions (32-35) :** In the following figures, the rectangle denotes male (outside rectangle are females), triangle denotes educated, circle denotes urban, square denotes government servant.



32. Among the following how many educated males are not living in urban area?

- (a) 4            (b) 5            (c) 9            (d) 11

33. Among the following how many ladies are living in urban area and also a government servant?

- (a) 6 (b) 7 (c) 10 (d) 13

34. In the given figure how many educated people are dwelling in urban area?

- (a) 8 (b) 12 (c) 4 (d) 6

35. In the given figure how many are non urban male government servants?

- (a) 12 (b) 13 (c) 7 (d) 4

**DIRECTIONS (36 - 43).** The following questions are based on inter-se ranking between two people or a group of people.

36. Manik is fourteenth from the right end in a row of 40 boys. What is his position from the left end?

- (a) 24<sup>th</sup> (b) 25<sup>th</sup> (c) 26<sup>th</sup> (d) 27<sup>th</sup>

37. If you are eleventh in a queue starting either end, how many are there in the queue?

- (a) 11 (b) 21 (c) 20 (d) 24

38. The cricket ball is heavier than the hockey ball and volleyball is lighter than the football. Hockey ball is heavier than the football and tennis ball. Which of the following is the heaviest ball?

- (a) Hockey ball (b) Cricket ball (c) Volleyball (d) Football

39. Arun is older than Tarun. Varun is older than Arun. Sushil is older than Varun. Who is the youngest?

- (a) Arun (b) Varun (c) Tarun (d) Sushil

40. Vinod ranked seventeenth from the top and thirty seventh from the bottom of a class. How many students are there in the class?

- (a) 52 (b) 53 (c) 54 (d) 55

41. Atul is twelfth from the right in a line of boys and fourth from the left. How many boys should be added to the line such that there are 28 boys in the line?

- (a) 12 (b) 13 (c) 14 (d) 15

42. Mahesh and Suresh are ranked 11<sup>th</sup> and 12<sup>th</sup> respectively from the top in a class of 41 students. What will be their respective ranks from the bottom?

- (a) 32 & 33 (b) 29 & 30 (c) 30 & 31 (d) 31 & 30

43. In a row of trees one tree is fifth from either end of the row. How many trees are in row?

- (a) 11 (b) 8 (c) 10 (d) 9

**Directions (From 44 - 51 )** The following questions are based on the relationship between different people and aspects related to those relationships.

44. A family has a man, his wife, their four sons and their wives. The family of every son also has 3 sons and one daughter. Find out the total number of male members in the whole family?

- (a) 14 (b) 18 (c) 16 (d) 17

45. A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C?

- (a) Father (b) Brother (c) Grandfather (d) Uncle

46. A girl introduced a boy as the son of the daughter of the father of her uncle. The boy is girl's?

- (a) Brother (b) Son (c) Uncle (d) Son-in-law

47. Introducing a woman, Shashank said, "She is the mother of the only daughter of my son." How is that woman related to Shashank?

- (a) Daughter (b) Son (c) Uncle (d) Daughter-in-law

48. Amit said " This girl is the wife of the grandson of my mother". How is Amit related to the girl?

- (a) Brother (b) Husband (c) Father (d) Father-in-Law

49. Pointing to a photograph, Vijay said "He is the son of the only son of my mother". How is Vijay related to that boy?

- (a) Father (b) Grandfather (c) Brother (d) Son.

50. P is the mother of K. K is the sister of D. D is the father of J. How is P related to J?

- (a) Daughter (b) Mother (c) Aunt (d) Grand mother

51. A man is 24 years older than his son. In two years, his age will be twice the age of his son. The present age of his son is :-

- (a) 14      (b) 18      (c) 20      (d) 22

**DIRECTIONS (52 - 59).** The following questions are based on the ability to perceive direction and distance.

52. A man is facing north-west. He turns  $90^{\circ}$  in the clockwise direction and then  $135^{\circ}$  in the anti clockwise direction. In which direction is he facing now?

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

53. A man is performing yoga with head down and legs up. His face is towards the west. In which direction will his left hand be?

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

54. Madras is located on West bank of river Sati. Badlapur is located to the West of Madras. Tripura is to the East of Badlapur but to the West of Madras. Kesari is located West of Badlapur, which town is farthest most from the river Sati?

- (a) Madras      (b) Badlapur      (c) Tripura      (d) Kesari

55. A man walks 50m towards North, turns right and walks 30m, turns left and walks 20m, turns left and walks 30m, turns right and walks 20m. How far is he from the start point?

- (a) 90m North      (b) 120m North      (c) 80m North      (d) 90m South

56. A is the East of B which is to the North of C. If D is to the South of C, then in which direction of A is C?

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

57. A, B, C and D are sitting on a table facing each other in a clock wise manner (with A at 12, B at 3, C at 6 and D at 9 point of the clock). If A is facing North East, which way is D facing?

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

58. Sonam drives 12 km towards west. He turns south and drives 3 km. He again turns east and drives 8 km. How far is he from his starting point?

- (a) 3 km      (b) 5 km      (c) 7 km      (d) 11 km

59. Narayan is facing North. He turns  $135^{\circ}$  degree in the anti clock wise direction and then  $180^{\circ}$  degree in the clock wise direction. Which direction is he facing now?

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

**DIRECTIONS (60 - 67).** In the following questions the actual mathematical symbols have been substituted by other notations and symbols. You are required to ascertain the actual symbols and arrive at the correct conclusion from the alternatives given below:-

60. If  $20 - 10$  means  $200$ ,  $8 + 4$  means  $12$ ,  $6 \times 2$  means  $4$  and  $2+2$ , means  $1$  then  $100 - 10 \times 1000 + 1000 + 100 \times 10 = ?$

- (a) 0 (b) 20 (c) 1090 (d) 1900

61. If ' $<$ ' means 'minus', ' $>$ ' means 'plus', ' $=$ ' means 'multiplied by' and ' $\$$ ' means 'divided by' then what would be the value of  $27 > 81 \$ 9 < 6$  ?

- (a) 6 (b) 30 (c) 36 (d) 54

62. If P means  $x$ , R means  $+$ , T means  $-$  and S means  $-$ , then  $18 T 3 P 9 S 8 R 6 = \dots$ ?

- (a)  $-1 \frac{1}{3}$  (b)  $\frac{2}{3}$  (c) 46 (d) 52

63. If  $+$  stands for division,  $\times$  stands for multiplication,  $-$  stands for addition and  $\div$  stands for subtraction, then  $125 \div 25 \times 5 \div 10 - 5 = ?$

- (a) 10 (b) 20 (c) 30 (d) 40

64. If  $+$  stands for  $\div$ ,  $-$  for  $\times$ ,  $\times$  for  $+$  and  $\div$  for  $-$ , find the value for  $16 + 4 - 7 \times 28 \div 10$ .

- (a) 56 (b) 46 (c) 40 (d) 38

65. If T means  $x$ , U means  $-$ , V means  $+$  and W means  $+$  then what will be the value of the following expression  $(50v2)w (28T4)$ :-

- (a) 142 (b) 158 (c) 137 (d) 163

66. If  $+$  stands for  $x$ , X stands for  $\div$ ,  $\div$  stands for  $-$  and  $-$  stands for  $+$  then  $2 - 8 \times 2 + 6 \div 7 = ?$

- (a) 32 (b) 19 (c) 23 (d) 9

67. If A stands for  $x$ , B for  $-$ , C for  $+$  and D for  $\div$ , then for what does  $4A3B3A2$  stands?

- (a) 2 (b) 4 (c) 6 (d) 8

**DIRECTIONS (68 - 75).** In the following questions are based on time, day and date.

68. In 40 min, what angle will the hour move at?

- (a)  $25^\circ$  (b)  $20^\circ$  (c)  $24^\circ$  (d) 18

69. Reaching the place of meeting on Tuesday 15 min before 8.30 h, Anju found himself half an hour earlier than the man who was 40 min late. What was the scheduled time of the meeting?

- (a) 8:00 h (b) 8:05 h (c) 8:15 h (d) 8:45 h

70. If 1<sup>st</sup> October is Sunday, then 1<sup>st</sup> November will be?

- (a) Monday (b) Tuesday (c) Wednesday (d) Thursday

71. The angle between the minute hand and the hour hand of a clock when the time is 8:30 is :-

- (a)  $80^\circ$  (b)  $75^\circ$  (c)  $60^\circ$  (d)  $105^\circ$

72. An accurate clock shows 9AM. Through how many degrees will the hour hand rotate when the clock shows 4 PM?

- (a) 180 (b) 210 (c) 240 (d) 150

73. Today is Monday. After 60 days it will be :-

- (a) Monday (b) Tuesday (c) Wednesday (d) Thursday

74. If 01 Jan 2007 was a Monday. What day of the week was 01 Jan 2008?

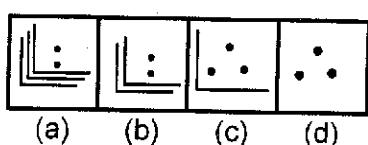
- (a) Monday (b) Tuesday (c) Wednesday (d) Thursday

75. Sohan went to the movies nine days ago. He goes to the movies only on Thursday. What day of the week is today?

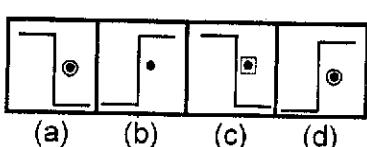
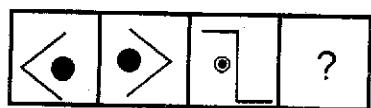
- (a) Sun (b) Tue (c) Thu (d) Sat

**DIRECTIONS (76 - 80).** Choose the next logical figure from the given alternatives.

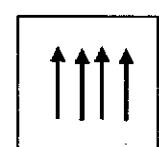
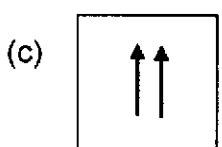
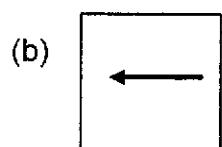
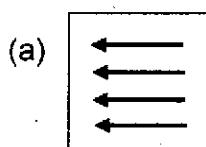
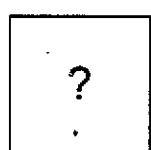
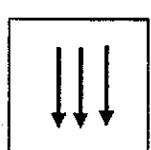
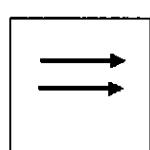
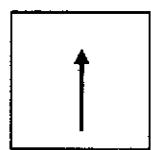
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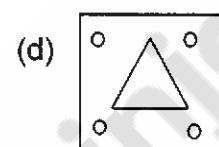
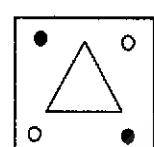
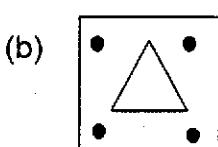
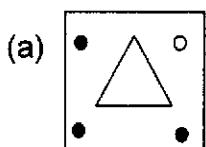
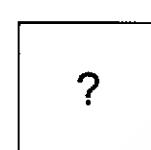
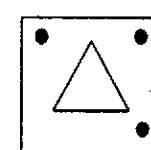
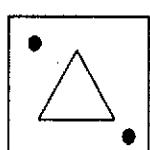
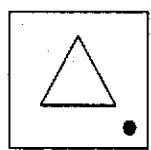
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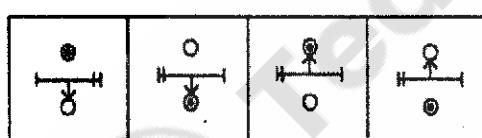
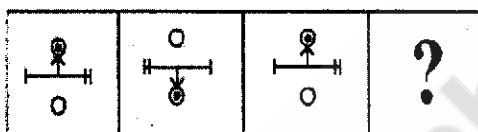
78.



79.



80.



(a)

(b)

(c)

(d)

**DIRECTIONS (81- 85).** Choose the figure from the choices which will continue the series.

81.

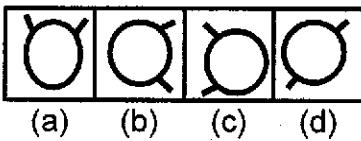


(a)

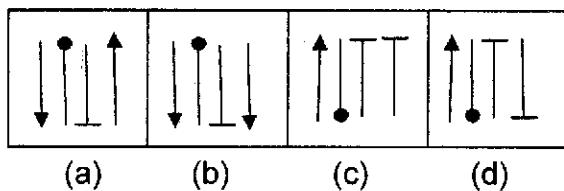
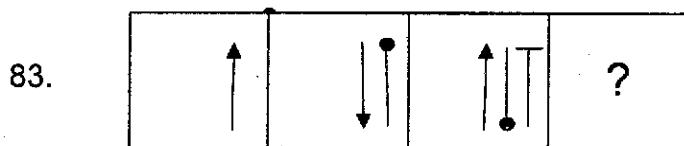
(b)

(c)

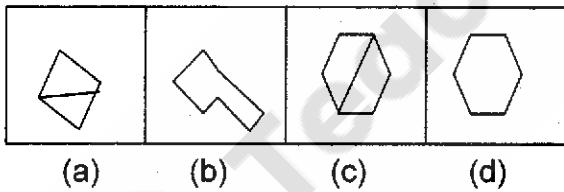
(d)



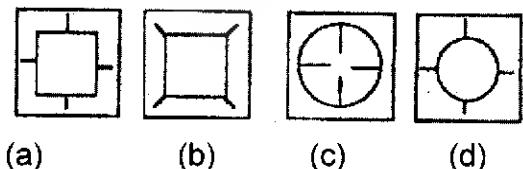
(a) (b) (c) (d)



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



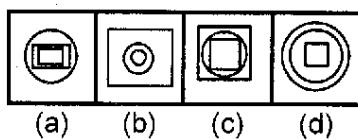
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(a) (b) (c) (d)

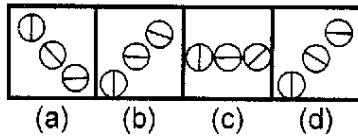
**DIRECTIONS (86 - 90).** In each of the following questions one of the figures are different from the rest. Spot the figure.

86.



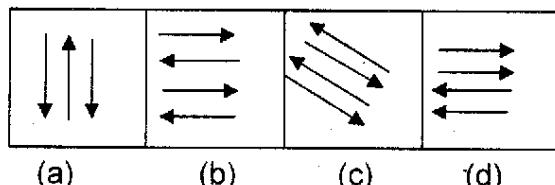
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87.



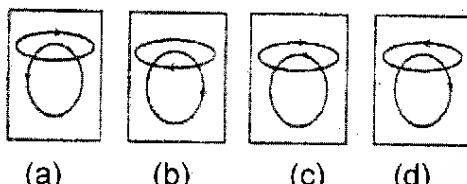
(a) (b) (c) (d)

88



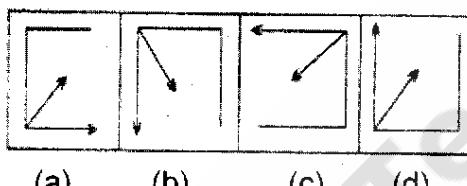
(a) (b) (c) (d)

89



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

90



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

## NUMERICAL ABILITY (91-150)

91. A bus starts from city X. The number of women in the bus is half of the number of men. In the city Y, 10 men left the bus and five women entered. Now, number of men and women is equal. In the beginning, how many passenger entered the bus?

(a) 15      (b) 30      (c) 36      (d) 45

92. I have a few sweets to be distributed. If I keep 2, 3 or 4 in a pack, I am left with one sweet. If I keep 5 in a pack, I am left with none. What is the minimum number of sweets I have to pack and distributed?

(a) 25 (b) 37 (c) 54 (d) 65

93. Five years ago Vinay's age was one-third of the age of Vikash and now Vinay's age is 17 years. What is the present age of Vikash?



94. Five children take part in a tournament. Each one has to play every other one. How many games must they play?

- (a) 8      (b) 10      (c) 24      (d) 30

95. There are some benches in a classroom. If 4 students sit on each bench, then 3 benches are left unoccupied. However, if 3 students sit on each bench, 3 students are left standing. How many students are there in the class?

- (a) 36      (b) 48      (c) 56      (d) 64

96. A man has a certain number of small boxes to pack into parcels. If he packs 3, 4, 5 or 6 in a parcel, he is left with one over, if he packs 7 in a parcel, none is left over. What is the number of boxes, he may have to pack?

- (a) 106 (b) 301 (c) 309 (d) 400

97. If an article costing Rs 1000 is sold gaining 20% of its selling price. Find selling price of the article.

- (a) 1250      (b) 1200      (c) 980      (d) 975

98. A train runs @ 36 km/ hr. In 3 minutes, it will run?

- (a) 1800 mtr (b) 5000 mtr (c) 180 mtr (d) 500 mtr

99. If  $178 \times 34 = 6052$ , then  $6052 \div 178 = ?$

- (a) 34 (b) 0.34 (c) 0.034 (d) -34.0

100. The father is 5 years older than mother and the mother's age now is thrice the age of the daughter. The daughter is now 10 years old. What was the father's age when the daughter was born?

- (a) 20 (b) 15 (c) 25 (d) 30

101. The least number that must be added to 1901 so that the sum may be a perfect square?

- (a) 35      (b) 32      (c) 30      (d) 29

102. 55% of a sum of money is Rs. 11. Sum of money?

- (a) 20      (b) 2      (c) 11      (d) 110

103. If 5 men earn Rs 540 in 4 days, then earning of 7 men in 6 days?

- (a) 1,440      (b) 1,134      (c) 1,270      (d) 1,468

104. 20% of 30% of a number is 12, the number is?

- (a) 24      (b) 40      (c) 100      (d) 200

105. 8 persons were invited in a party. Everybody shakes hand with everybody else. What is the total number of handshakes?

- (a) 28      (b) 20      (c) 27      (d) 12

106. Two poles of height 7 m and 12 m stand on a plane ground. If the distance between their feet is 12 m, the distance between their top will?

- (a) 19 m      (b) 15 m      (c) 13 m      (d) 17m

107. The average of runs of a cricket player of 10 innings was 32. How many runs must he make in his next innings so as to increase his average of runs by 4?

- (a) 76      (b) 70      (c) 4      (d) 2

108. An amount doubles itself in 5 years with simple interest. What is the rate of interest per cent per annum?

- (a) 20%      (b) 35%      (c) 25%      (d) 40%

109. Two numbers are in the ration 3 : 4. The product of their H.C.F and L.C.M is 2028. The sum of the numbers?

- (a) 68      (b) 72      (c) 86      (d) 91

110. A rectangular plot is 180 m<sup>2</sup> in area. If its length is 18 m. Find its perimeter.

- (a) 56      (b) 65      (c) 40      (d) 50

111. A lawn is in the shape of rectangle of length 60 m and width 40 m inside the lawn there is a footpath of uniform width 1 m bordering the lawn. Find the area of the path.

- (a) 176      (b) 186      (c) 196      (d) 166

112. Eighteen years ago, the ration of A's age to B's age was 8 : 13. Their present rations are 5 : 7. What is the present age of A?

- (a) 50      (b) 60      (c) 70      (d) 40

113.  $\sqrt{?} + 31 = \sqrt{3481}$

- (a) 28      (b) 961      (c) 784      (d) 59

114. What will be the LCM of 8, 24, 36 and 54

- (a) 54      (b) 108      (c) 216      (d) 432

115. Find the HCF of 54, 288, 360?

- (a) 18      (b) 36      (c) 54      (d) 108

116. If the price of wheat rises by 9%, by what percent should Ramesh reduce the consumption so as not to exceed the budget on wheat?

- (a) 1%      (b) 8.25%      (c) 10%      (d) 10.5%

117. 0.95 in terms of rate percent is :-

- (a) 5%      (b) 0.95%      (c) 9.5%      (d) 95%

118. Which of the following can be the angles of a triangle?

- (a)  $90^\circ, 60^\circ, 35^\circ$       (b)  $105^\circ, 55^\circ, 40^\circ$       (c)  $60^\circ, 30^\circ, 40^\circ$       (d)  $90^\circ, 55^\circ, 35^\circ$

119. The length of a rectangular field is 45m and breadth is 35m. Find the area of the field.

- (a)  $1570 \text{ m}^2$       (b)  $1575 \text{ m}^2$       (c)  $1675 \text{ m}^2$       (d)  $1770 \text{ m}^2$

120. The original price of a car is Rs 80000. What is the new price if the original price is reduced by 10%?

- (a) Rs 72000      (b) Rs 82000      (c) Rs 75000      (d) Rs 85000

121. The price of shirt increased by 15%, then reduced by 15%. What is the effect on a price?

- (a) 1.30      (b) 3.0      (c) 2.25      (d) 22.5

122. 4 men or 7 women can do a piece of work in 60 days. How long 8 men and 7 women will take to do it?

- (a) 15 days      (b) 10 days      (c) 25 days      (d) 20 days

123. Rajendra buys a cycle for Rs 250 and sells it for Rs 300. Find the percentage of his profit.

- (a) 10%      (b) 15%      (c) 20%      (d) 25%

124. A car covers 20 km distance in 25 minutes. How much distance will it cover in 2 hours 30 minutes?

- (a) 100 Km      (b) 120 Km      (c) 150 Km      (d) 520 Km

125. 200 students appeared in an examination. If 75% of students passed the examination, find the number of students who passed the examination?

- (a) 150 (b) 100 (c) 275 (d) 175

126. Find the least number which should be subtracted from 74 to make it divisible by 9?

- (a) 3 (b) 2 (c) 7 (d) 9

127. Find the value of  $4.5 \times 0.01 - 3.5 \times 0.01$

- (a) 1.005 (b) 0.01 (c) 3.01 (d) 2.0052

128. 5 Paisa is which part of Rs.1?

- (a)  $1/10$  (b)  $1/50$  (c)  $1/20$  (d)  $1/5$

129. How much time a train will take to cross a 800m long bridge running at a speed of 50 km per hour if the length of the train is 200m?

- (a) 3 minutes (b) 1 minutes 12 seconds (c) 4 minutes (d) 10 minutes

130. 8 men can do a work in 9 days. In how many days will 6 men do it?

- (a) 16 days (b) 12 days (c) 18 days (d) 15 days

131. The excess if thrice a certain number over 11 is 19. The number is

- (a) 8 (b) 9 (c) 10 (d) 11

132. The Largest 3 digit number which is perfect square :-

- (a) 961 (b) 925 (c) 390 (d) 350

133. A circle and square have same area. Therefore, the ratio of the side of the square and radius of circle is:-

- (a)  $\sqrt{\pi}:1$  (b)  $1:\sqrt{\pi}$  (c)  $1:\pi$  (d)  $\pi:1$

134. A bag contains 25 paise, 10 paise and 05 paise coins in the ratio 1:2:3. If their value is Rs 30 the number of 05 paise coins is:-

- (a) 50 (b) 100 (c) 150 (d) 200

135. if a, b, c, d & e are five consecutive odd numbers, their average is

- (a)  $5(a+4)$  (b) abcde (c)  $5(a+b+c+d+e)$  (d) None of these

136. In what time does money becomes four times at the simple interest rate of 10% per annum?

- (a) 30 year (b) 25 year (c) 35 year (d) 4 year

137. The partner ABC invest Rs 3400, 2600, 1000 respectively in a business. Out of total profit of Rs 17500 A's share is:-

- (a) 8750 (b) 8500 (c) 7500 (d) 3750

138. A sold a watch to B at a gain of 5% and B sold it to C at a gain of 4%. If C paid Rs 1092 for it, the price paid by A is?

- (a) 993.72 (b) 996 (c) 1000 (d) 995.90

139. The cost of cultivating a square field @ of Rs 150 per hectare is Rs 1440. The cost of putting a fence around it @ 75 paise per meter is:-

- (a) 900 (b) 1800 (c) 360 (d) 810

140. If  $a:b = 3:4$  then  $(6a+b):(4a+5b)$  is

- (a) 1:2 (b) 3:5 (c) 7:8 (d) 11:16

141. Find the distance covered by man walking for 12 minute at a speed of 3.5 km per hours.

- (a) 700 (b) 1200 (c) 600 (d) 800

142. The cost of fencing a square garden is Rs 400 at the rate of Rs 1 per meter, the area of garden in square meter is:-

- (a) 10 (b)  $10^2$  (c)  $10^3$  (d)  $10^4$

143. Walking at  $5/6$  of his usual speed a man is 10 min late. Find his actual travel time?

- (a) 1h (b) 50 min (c) 12min (d) 80min

144. If the volume and the surface area of a sphere are numerically equal, then it's radius is:-

- (a) 1 Unit (b) 2 Unit (c) 3 Unit (d) 4 Unit

145. The volume of cylinder where height is 14 cm and diameter of base 4 cm, is-

- (a)  $167 \text{ cm}^3$  (b)  $176 \text{ cm}^3$  (c)  $186 \text{ cm}^3$  (d)  $216 \text{ cm}^3$

146. The difference between 70% and 55 % of a number is 72. The number is:-

- (a) 370 (b) 460 (c) 480 (d) 520

147. A train runs at a rate of 120 km per second. The speed of train in meter per second is:-

- (a)  $66\frac{1}{2}$  (b) 25 (c) 30 (d)  $33\frac{1}{3}$

148. What is the difference between biggest and smallest fraction among  $\frac{2}{3}$ ,  $\frac{3}{4}$ ,  $\frac{4}{5}$  and  $\frac{5}{6}$  :-

- (a)  $\frac{1}{30}$  (b)  $\frac{1}{20}$  (c)  $\frac{1}{12}$  (d)  $\frac{1}{6}$

149. A certain amount lent out of simple interest amounts to Rs 575 to 3 year and Rs 624 in five year. Then the rate of interest is:-

- (a) 3% (b) 5% (c) 4% (d) 7%

150. A rectangular plot is  $180\text{ m}^2$  in area. If it's length is 18 m. find it's perimeter.

- (a) 5 m (b) 56m (c) 60m (d) 55m

