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Test III  
Numerical Ability

101-115. What should come in place of the question mark (?) in the following questions?

101.  $\frac{5}{8} \times 2\frac{3}{5} \div \frac{4}{9} = ?$

- (1)  $2\frac{13}{27}$                       (2)  $1\frac{11}{27}$   
(3)  $2\frac{23}{32}$                       (4)  $3\frac{21}{32}$   
(5) None of these

102.  $10.8 \times 5.5 \times 8.4 = ?$

- (1) 458.69                      (2) 489.96  
(3) 498.96                      (4) 485.69  
(5) None of these

103.  $45 \div 5 - 0.5 = ?$

- (1) 10                              (2) 12  
(3) 9.5                            (4) 8.5  
(5) None of these

104.  $3.5 \times (60 \div 2.5) = ?$

- (1) 62                              (2) 96  
(3) 74                              (4) 88  
(5) None of these

105.  $(4 \times 4 \times 4 \times 4 \times 4 \times 4)^5 \times (4 \times 4 \times 4)^8 \div (4)^3 = (64)^?$

- (1) 17                              (2) 10  
(3) 16                              (4) 11  
(5) None of these

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106.  $5 \times ? = 8484 \div 4$   
 (1) 444.2 (2) 424.2  
 (3) 442.2 (4) 422.2  
 (5) None of these
107.  $7059 - 2350 + 1936 = ? \times 50$   
 (1) 123.6 (2) 132.3  
 (3) 132.6 (4) 123.9  
 (5) None of these
108.  $16\% \text{ of } 550 \div ?\% \text{ of } 550 = 2.5$   
 (1) 5.64 (2) 8.11  
 (3) 7.04 (4) 6.08  
 (5) None of these
109.  $8648 - 7652 = ? \times 40$   
 (1) 24.7 (2) 28.9  
 (3) 27.4 (4) 25.9  
 (5) None of these
110.  $22\% \text{ of } 364 - ? = 23$   
 (1) 50.02 (2) 57.08  
 (3) 53.16 (4) 59.14  
 (5) None of these
111.  $683.46 - 227.39 - 341.85 = ?$   
 (1) 114.22 (2) 141.22  
 (3) 144.22 (4) 112.22  
 (5) None of these
112.  $3\frac{2}{5} + 2\frac{3}{4} + 1\frac{1}{2} = ?$   
 (1)  $8\frac{11}{12}$  (2)  $10\frac{12}{13}$   
 (3)  $7\frac{11}{12}$  (4)  $9\frac{11}{13}$   
 (5) None of these
113.  $\sqrt{?} - 5 = \sqrt{2209}$   
 (1)  $\sqrt{2704}$  (2)  $(52)^2$   
 (3)  $\sqrt{52}$  (4) 52  
 (5) None of these
114.  $14.5\% \text{ of } 608 = ?$   
 (1) 88.16 (2) 86.18  
 (3) 81.68 (4) 86.88  
 (5) None of these
115.  $840 \div 40 \div 0.5 = ?$   
 (1) 8.5 (2) 21  
 (3) 10.5 (4) 42  
 (5) None of these
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- 116-120. What approximate value should come in place in the question mark (?) in the following questions?
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116.  $750.0003 \div 19.999 = ?$   
 (1) 49 (2) 18  
 (3) 22 (4) 45  
 (5) 38
117.  $6888.009 - 487.999 - 87.989 = ?$   
 (1) 6000 (2) 6570  
 (3) 6430 (4) 6200  
 (5) 6310
118.  $(9.5)^2 = ?$   
 (1) 75 (2) 90  
 (3) 125 (4) 110  
 (5) 80
119.  $19.003 \times 22.998 - 280.010 = ?$   
 (1) 220 (2) 110  
 (3) 160 (4) 90  
 (5) 200
120.  $5454 \div 54 \div 5 = ?$   
 (1) 15 (2) 25  
 (3) 30 (4) 20  
 (5) 10
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- 121-125. What should come in place of the question mark (?) in the following number series?
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121. 1000 2000 400 80 16 3.2 ?  
 (1) 0.38 (2) 0.45  
 (3) 0.64 (4) 0.54  
 (5) None of these
122. 2 10 42 170 ? 2730  
 10922  
 (1) 588 (2) 658  
 (3) 596 (4) 682  
 (5) None of these
123. 600 519 ? 406 370 345 329  
 (1) 435 (2) 455  
 (3) 425 (4) 445  
 (5) None of these
124. 5 ? 15 75 525 4725  
 51975  
 (1) 5 (2) 10  
 (3) 8 (4) 6  
 (5) None of these
125. 3 6 15 24 48 96 ?  
 (1) 192 (2) 182  
 (3) 186 (4) 198  
 (5) None of these
126. 3 women and 18 children together take 2 days to complete a piece of work. How many will 9 children alone take to complete the piece of work alone can complete the piece of work in 3 days?  
 (1) 9 (2) 7  
 (3) 5 (4) 6  
 (5) None of these
127. What will come in place of both question mark (?) in the following question?  

$$\frac{(?)^{1.8}}{32} = \frac{16}{(?)^{1.2}}$$
- (1) 16 (2) 64  
 (3) 2 (4) 4  
 (5) 8
128. Out of the fractions  $\frac{5}{7}, \frac{4}{9}, \frac{6}{11}, \frac{2}{5}$  and  $\frac{3}{4}$  what is the difference between the largest and smallest fractions?  
 (1)  $\frac{6}{13}$  (2)  $\frac{11}{18}$   
 (3)  $\frac{7}{18}$  (4)  $\frac{11}{20}$   
 (5) None of these
129. The average weight of 21 boys was recorded as 64 kgs. If the weight of the teacher was added, the average increased by one kg. What was the teachers' weight?  
 (1) 86 kgs (2) 64 kgs  
 (3) 72 kgs (4) 98 kgs  
 (5) None of these
130. The perimeter of a square is twice the perimeter of a rectangle. If the perimeter of the square is 72 cms and the length of the rectangle is 12 cms, what is the difference between the breadth of the rectangle and the side of the square?  
 (1) 9 cms (2) 12 cms  
 (3) 18 cms (4) 3 cms  
 (5) None of these
131. Find the average of the following set of scores:  
 253, 124, 255, 534, 836, 375, 101, 443, 760  
 (1) 427 (2) 413  
 (3) 441 (4) 490  
 (5) None of these

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132. Raj sold an item for Rs. 6,384/- and incurred a loss of 30%. At what price should he have sold the item to have gained a profit of 30%?
- (1) Rs. 14,565/-  
(2) Rs. 11,856/-  
(3) Rs. 13,544/-  
(4) Cannot be determined  
(5) None of these
133. What would be the simple interest accrued in 4 years on a principle of Rs. 187,440/- @ p.c.p.a.?
- (1) Rs. 11,075/-  
(2) Rs. 12,250/-  
(3) Rs. 11,500/-  
(4) Rs. 12,985/-  
(5) None of these
134. A truck covers a distance of 640 kms in 10 hrs. A car covers the same distance in 8 hrs. What is the respective ratio between the speed of the truck and the car?
- (1) 3 : 4                      (2) 1 : 2  
(3) 5 : 6                      (4) 6 : 7  
(5) None of these
135. The respective ratio between Sita's Riya's and Kunal's monthly income is 84 : 76 : 89. If Riya's annual income is Rs. 4,56,000/-, what is the sum of Sita's and Kunal's annual income? (In some cases monthly income and in some cases annual income is used.)
- (1) Rs. 11,95,000/-  
(2) Rs. 9,83,5000/-  
(3) Rs. 11,30,000/-  
(4) Rs. 10,38,000/-  
(5) None of these
136. The sum of 15% of a positive number and 20% of the same number is 126. What is one-third of that number?
- (a) 360                      (b) 1080  
(c) 120                      (d) 40  
(e) None of these
137. Nandita scored 80 percent marks in five subjects together; viz; Hindi, Science, Maths, English and Sanskrit together, wherein the maximum marks of each subject were 105. How many marks did Nandita score in Science if she scored 89 marks in Hindi, 92 marks in Sanskrit, 98 marks in Maths and 81 marks in English?
- (1) 60                      (2) 75  
(3) 65                      (4) 70  
(5) None of these
138. At present Anil is 1.5 times Purvi's age. Eight years hence, the respective ratio between Anil and Purvi's ages then will be 25 : 18. What is Purvi's present age?
- (1) 50 years                      (2) 28 years  
(3) 42 years                      (4) 36 years  
(5) None of these
139. The average of four consecutive numbers A, B, C and D respectively is 49.5. What is the product of B & D?
- (1) 2499                      (2) 2352  
(3) 2450                      (4) 2550  
(5) None of these
140. Faisal walks 325 meters every day. How many kilometers will he walk in four weeks?
- (1) 6.2                      (2) 9.1  
(3) 8.6                      (4) 7.8  
(5) None of these
141. Niraj incurred a loss of 55 percent of

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- selling an article for Rs. 9,549/-. What was the cost price of the article?
- (1) Rs. 27,700/-  
(2) Rs. 25,600/-  
(3) Rs. 21,200/-  
(4) Rs. 29,000/-  
(5) None of these
142. What is the difference between the compound interest and simple interest accrued on an amount of Rs. 16,200/- at the end of three years @ 25%? (round off to two digits after decimal)
- (1) Rs. 3213.44  
(2) Rs. 3302.42  
(3) Rs. 3495.28  
(4) Rs. 3290.63  
(5) None of these
143. A 280 meters long train crosses a platform thrice its length in 6 minutes 40 seconds. What is the speed of the train?
- (1) 3.2 m/s      (2) 1.4 m/s  
(3) 2.8 m/s  
(4) Cannot be determined  
(5) None of these
144. The area of a rectangle is equal to the area of a circle with circumference equal to 39.6 meters. What is the length of the rectangle if its breadth is 4.5 meters?
- (1) 33.52 meters  
(2) 21.63 meters  
(3) 31.77 meters  
(4) 27.72 meters  
(5) None of these
145. In how many different ways can the letters of word 'VENTURE' be arranged?
- (1) 840                      (2) 5040  
(3) 1260                    (4) 2520  
(5) None of these
146. In order to pass in exam a student is required to get 780 marks out of the aggregate marks. Sonu got 728 marks and was declared failed by 5 percent. What are the maximum aggregate marks a student can get in the examination?
- (1) 1040                    (2) 1100  
(3) 1000  
(4) Cannot be determined  
(5) None of these
147. What would be the measure of the diagonal of a square whose area is equal to 882 sq. cms.?
- (1) 38 cms.                (2) 32 cms.  
(3) 42 cms.                (4) 48 cms.  
(5) None of these
148. A man riding a bicycle, completes one lap of a circular field along its circumference at the speed of 14.4 km/hr in 1 minute 28 seconds. What is the area of the field?
- (1) 7958 sq.mts  
(2) 9856 sq.mts  
(3) 8842 sq.mts  
(4) Cannot be determined  
(5) None of these
149. Harish, Dilip and Asha start running around a circular stadium and complete one round in 27 seconds, 9 seconds and 36 seconds respectively. In how much time will they meet again at the starting point?
- (1) 1 min. 48 sec.  
(2) 2 min. 36 sec.

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- (3) 2 min. 11 sec.
  - (4) 2 min. 25 sec.
  - (5) None of these
150. On children's day sweets were to be equally distributed amongst 300 children. But on that particular day 50 children remained absent; hence each child got one sweet extra. How many sweets were distributed?
- (1) 1450
  - (2) 1700
  - (3) 1500
  - (4) 1650
  - (5) Cannot be determined