RPS

Test III
Numerical Ability

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

101. 5 × ? = 8042 ÷ 4
   (1) 396.1   (2) 6433.6
   (3) 10052.5   (4) 402.1
   (5) None of these

102. 206 × 71 − 12080 = ?
   (1) 2546   (2) 2654
   (3) 2564   (4) 2645
   (5) None of these

103. $\dfrac{3}{7} \div \dfrac{9}{14} \times \dfrac{6}{11}$ = ?

   (1) $\dfrac{5}{22}$ (2) $\dfrac{9}{11}$

   (3) $\dfrac{4}{11}$ (4) $\dfrac{7}{22}$

   (5) None of these

104. ? ÷ 22 = 2601
   (1) $\sqrt{841}$ (2) $(841)^2$
   (3) $\sqrt{22}$ (4) 22
   (5) None of these

105. $2\dfrac{2}{5} \square 1\dfrac{3}{8} + 3\dfrac{1}{2}$ = ?

   (1) $5\dfrac{17}{40}$ (2) $4\dfrac{37}{40}$

   (3) $2\dfrac{27}{40}$ (4) $3\dfrac{11}{40}$

   (5) None of these

106. 14% of 905 + ? = 287
   (1) 158.7   (2) 160.3
   (3) 153.1   (4) 162.5
   (5) None of these

107. 2073.5 ÷ (22 × 14.5) = ?
   (1) 5.5   (2) 6.5
   (3) 4.5   (4) 3.5
   (5) None of these

108. 6824 + 7864 = ? × 40
   (1) 376.4   (2) 359.2
   (3) 363.4   (4) 367.2
   (5) None of these

109. 1000 ÷ 100 ÷ 10 = ?
   (1) 1   (2) 0.1

(3) 1000   (4) 100

(5) None of these

110. $(49)^2 \times (7)^8 \div (343)^3 = (7)^3$

    (1) 3   (2) 13

    (3) 7   (4) 9

    (5) None of these

111. $7825 - 9236 + 5234 = ? \times 25$

    (1) 152.92   (2) 152.29

    (3) 125.29   (4) 125.92

    (5) None of these

112. 58% of 450 − ?% of 250 = 181

    (1) 44   (2) 40

    (3) 32   (4) 38

    (5) None of these

113. 17.7% of 286 = ?

    (1) 62.262   (2) 48.266

    (3) 64.626   (4) 50.622

    (5) None of these

114. $13.5 \times 16.3 \times 12.8 = ?$

    (1) 2861.46   (2) 2168.46

    (3) 2816.64   (4) 2186.64

    (5) None of these

115. $525.25 + 52.52 + 5.2 = ?$

    (1) 578.79   (2) 528.97

    (3) 588.97   (4) 582.79

    (5) None of these

116-120. What approximate value should come in place of the question mark (?) in the following questions?

(**Note:** You are not expected to calculate the exact value.)

116. $(12.999)^3 = ?$

    (1) 1800   (2) 1650

    (3) 2000   (4) 2500

    (5) 2200

117. $50550 \div 50 \div 5 = ?$

    (1) 350   (2) 150

    (3) 300   (4) 250

    (5) 200

118. $49.0003 \div 74.999 = ?$

    (1) 0.05   (2) 0.2

    (3) 1   (4) 0.7

    (5) 2

119. $23.005 \times 22.998 + 100.010 = ?$

    (1) 630   (2) 550

    (3) 700   (4) 720

    (5) 510

120. $125.008 + 69.999 + 104.989 = ?$

    (1) 420   (2) 300

    (3) 700   (4) 720

    (5) 510

121-125. What should some in place of the question mark (?) in the following number **series?**

121. 2   14   84

    (1) 9940   (2) 7680

    (3) 10080   (4) 5040

    (5) None of these

122. 3   5   8

120   1680   5040   ?

13   21   34   ?

(1) 72   (2) 47
(3) 55   (4) 64
(5) None of these

	2	6	21	?	445	2676

123. (1) 88   (2) 67
(3) 62   (4) 84

(5) None of these

27	125	?	729	1331	2197	3375

124. (1) 512   (2) 447
(3) 216   (4) 343
(5) None of these

10400	2600	650	?	40.15625	2.5390625

125. (1) 185.5   (2) 162.5
(3) 164.75   (4) 156.25
(5) None of these

126. The average of four consecutive odd numbers A, B, C and D respectively is 24. What is the product of B & D?

(1) 483   (2) 675
(3) 621   (4) 525
(5) None of these

127. Swati walks 150 meters every day. How may kilometers will she walk in 3 weeks?

(1) 2.04   (2) 5.92
(3) 4.18   (4) 3.15
(5) None of these

128. The area of a square is thrice the area of a rectangle. If the area of the square is 225 sq.cms and the length of the rectangle is 15 cms, what is the difference between the breadth of the rectangle and the side of the square?

(1) 8 cms   (2) 10 cms
(3) 12 cms   (4) 6 cms
(5) None of these

129. Find the average of the following set of squares—

125, 236, 334, 486, 564, 625, 702, 800

(1) 448   (2) 482
(3) 524   (4) 542
(5) None of these

130. A truck covers a certain distance is 12 hours at the speed of 70 kms./hr. What is the average speed of a car which travels a distance of 120 kms more than the truck in the same time?

(1) 76 kms./hr.
(2) 85 kms./hr.
(3) 82 kms./hr.
(4) 78 kms./hr.
(5) None of these

131. The difference between 55% of a number and 14% of the same number is 8610. What is 85% of that number?

    (1) 17850   (2) 16820
    (3) 18020   (4) 19450
    (5) None of these

132. Kriti's money income is tow-third Sneha's monthly income. Sneha's annual income is Rs. 4,32,000/-. What is Kriti's annual income? (In some cases monthly income and in some cases annual income is used)

    (1) Rs. 2,82,000/-
    (2) Rs. 2,63,500/-
    (3) Rs. 2,48,200/-
    (4) Rs. 2,88,000/-
    (5) None of these

133. At present Palash is three times Arnav's age. After seven years Palash will be twice Arnav's age then. How many times will Palash's age be in another fourteen years time with respect to Arnav's age then?

    (1) 1   (2) 3
    (3) 2   (4) 1.5
    (5) None of these

134. Paresh got 102 marks in Hindi, 118 marks in Science, 104 marks in Sanskrit, 114 marks in Maths and 96 marks in English. The maximum marks of each subject are 120. How much overall percentage or marks did Paresh get?

    (1) 89   (2) 82

    (3) 77   (4) 71
    (5) None of these

135. 6 women alone can complete a place of work in 10 days, whereas 10 children alone take 15 days to complete the same piece of work. How many days will 6 women and 10 children together take to complete the place of work?

    (1) 7   (2) 8
    (3) 6   (4) 4
    (5) None of these

136. Suhas sold an item for Rs. 7,500/- and incurred a loss of 25%. At what price should he have sold the item to have gained a profit of 25%?

    (1) Rs. 13,800/-
    (2) Rs. 12,500/-
    (3) Rs. 11,200/-
    (4) Cannot be determined
    (5) None of these

137. One teacher's day sweets were to be equally distributed amongst 540 children. But on that particular day 135 children remained absent; hence each child got 2 sweets extra. How many sweets was each child originally supposed to get?

    (1) 4   (2) 8
    (3) 10   (4) 6
    (5) Cannot be determined

138. Maria earned a profit of 30 percent on selling an article for Rs. 6,110/-. What was the cost price of the article?

    (1) Rs. 5,725/-

(2) Rs. 4,080/-
(3) Rs. 5,250/-
(4) Rs. 4,400/-
(5) None of these

139. In an examination it is required to get 55% of the aggregate marks to pass. A student gets 520 marks and is declared failed by 5% marks. What are the maximum aggregate marks a student can get?

(1) 960   (2) 1250
(3) 1040
(4) Cannot be determined
(5) None of these

140. The diameter of a circle is 7.7 cms. What is the circumference of the circle?

(1) 26.4 cms   (2) 24.2 cms
(3) 28.4 cms   (4) 22.2 cms
(5) None of these

141. In how many different ways can the letter of the word 'BELIEVE' be arranged?

(1) 840   (2) 1680
(3) 2520   (4) 5040
(5) None of these

142. The compound interest accrued on an amount at the end of two year @ 16 p.c.p.a. is Rs. 3041.28. What is the amount?

(1) Rs. 10,500/-
(2) Rs. 9,000/-
(3) Rs. 7,250/-
(4) Rs. 8,800/-
(5) None of these

143. The simple interest accrued in 9 years on a principle of Rs. 24,250/- is 162 percent of the principle.

(1) 22   (2) 16
(3) 18
(4) Cannot be determined
(5) None of these

144. A 420 meters long train crosses a pole in 70 seconds. What is the speed of the train?

(1) 5 m/s   (2) 7 m/s
(3) 4.5 m/s
(4) Cannot be determined
(5) None of these

145. Neela, Saroj and Paulami start running around a circular stadium and complete one round in 10 seconds, 6 seconds and 14 seconds respectively. In how much time they meet again at the starting point?
(1) 3 minutes 30 seconds
(2) 2 minutes 28 seconds
(3) 4 minutes 45 seconds
(4) 1 minute 40 seconds
(5) None of these

146. A rectangle field has its length and breadth in the ratio of 6 : 5 respectively. A man riding a bicycle, completes one lap of this field along its perimeter at the speed of 19.8 km/hr in 2 minutes. What is the area of the field?

(1) 19200 sq.mts
(2) 27000 sq.mts
(3) 32500 sq.mts
(4) Cannot be determined
(5) None of these

147. Out of the fractions $\frac{4}{5}, \frac{8}{9}, \frac{6}{7}, \frac{1}{3}$ and $\frac{3}{8}$ what is the sum of the largest and smallest fractions?

(1) $2\frac{5}{7}$ (2) $1\frac{3}{5}$

(3) $1\frac{1}{7}$ (4) $2\frac{7}{9}$

(5) None of these

148. What will come in place of both the question mark (?) in the following question?

$$\frac{(?)^2}{98} = \frac{(28)}{(?)^{0.3}}$$

(1) 7   (2) 14
(3) 8   (4) 12
(5) None of these

149. The average height of four girls recorded as 150 cms. If the average of the heights of three girls out of the four was 148 cms, what was the height of the fourth girl?

(1) 156 cms
(2) 168 cms
(3) 170 cms
(4) 162 cms
(5) None of these

150. What would be the area of a circle whose circumference is 35.2 cms?

(1) 67.22 sq.cms
(2) 75.54 sq.cms
(3) 98.56 sq.cms
(4) 86.75 sq.cms
(5) None of these