IBPS (PO) Previous Year Exam Paper - 2013

Subject: Quantitative Aptitude

Directions (Q. Nos. 91-95) In each of the following questions, a question is followed by information given in three Statements I, II and III. You have to study the question along with the statements and decide the information given in which of the statement(s) is necessary to answer the question.

91. In how many days 10 women can finish the work?

I. 10 men finish the work in 6 days.

II. 10 women and 10 men finish the work in days.

III. If 10 men work 3 days and after that 10 women are deployed to work for men, the rest work is

finished in 4 days.

(1) I and II

(2) Any two of three

(3) I and III

(4) II and III

(5) None of these

92. What is the present age of Sabir?

I. The present age of Sabir is half of his father's age.

II. After five years the ratio of ages of Sabir and his father is 6:11.

III. Sabir is younger to his brother by five years.

(1) 1 and II

(2) I and III

(3) II and III

(4) All of these

(5) Cannot be determined

93. What is two digit number?

I. The difference between the number and the number formed by interchanging the digit is 27.

II. The difference between two digits is 3.

III. The digit at unit's place is less than that at ten's place by 3.

(1) 1 and II

(2) I and either II or III

(3) I and III

(4) All of these

(5) None of these

94. What is the rate of interest Percent per annum?

I. An amount doubles itself in 5 yr on simple interest.

II. Difference between the compound interest and the simple interest earned on a certain amount in two years is Rs400.

III. Simple interest earned per annum is Rs2000.

(1) Only I

(2) II and III

(3) Any two of three

(4) I or II and III

(5) Only I or II and III

95. What is the cost of flooring the rectangular hall?

I. Length and the breadth of the hall are in the ratio of 3:2.

II. Length of the hall is 48 m and cost of flooring is Rs850 per sq m.

III. Perimeter of the hall is 160 m and cost of flooring is Rs850 per sq m.

(1) I and II (2) I and III

(3) Only III

(4) I and either II or III

(5) Any two of the three

96. If the numerator of a fraction is increased by 20% and the denominator is increased by 25%, the fraction obtained is . What was the original fraction?

(1) 5/7

(2) 4/7

(3) 3/8

(4) Cannot be determined

(5) None of the three

97. If the positions of the digits of a two-digit number are interchanged, the number obtained is smaller than the original number by 27. If the digits of the number are in the ratio of 1 : 2, what is the original number?

(1) 36 (2) 63

(3) 48

(4) Cannot be determined

(5) None of these

98. One of the angles of a quadrilateral is thrice the smaller angle of a parallelogram. The respective ratio between the adjacent angles of the parallelogram is 4:5. Remaining three angles of the quadrilateral are in ratio 4:11:9 respectively. What is the sum of the largest and the smallest angles of the quadrilateral?

(1) 255°

(2) 260°

(3) 265°

(4) 270°

(5) None of these

99. An aeroplane flies with an average speed of 756 km/h. A helicopter takes 48 h to cover twice the distance covered by aeroplane in 9 h. How much distance will the helicopter cover in 18 h? (Assuming that flights are non-stop and moving with uniform speed.)

(1) 5010 km

(2) 4875 km

(3) 5760 km

(4) 5103 km

(5) None of these

Directions (Q. Nos. 105-109) In the following number series, a wrong number is given. Find out the wrong number.

105. 29, 37, 21,43 ,13, 53, 5

(1) 37

(2) 53

(3) 13

(4) 21

(5) 43

106. 600, 125, 30, 13, 7.2, 6.44, 6.288

(1) 6

(2) 10

(3) 15

(4) 12

(5) None of these

107. 80, 42, 24, 13.5, 8.75, 6.375, 5.1875

(1) 8.75

(2) 13.5

(3) 24

(4) 6.375

(5) 42

108. 10, 8, 13, 35, 135, 671, 4007

(1) 8

(2) 671

(3) 135

(4) 13

(5) 35

109. 150, 290, 560, 1120, 2140, 4230, 8400

(1) 2140

(2) 560

(3) 1120

(4) 4230

(5) 290

Directions (Q.Nos. 110-114) These questions are based on the following data. The distribution of appeared and qualified aspirants in competitive examination from different States.

Total appeared aspirants = 45000

110. What is the ratio of the number of appeared aspirants from States C and E together to that of the appeared aspirants from States A and F together?

(1) 17:33

(2) 11:13

(3) 13:27

(4) 17:27

(5) None of these

111. In which state the percentage of qualified aspirants to appeared aspirants is the least?

(1) C

(2) F

(3) D

(4) E

(5) G

112. What is the difference in the number of qualified aspirants in states D and G?

(1) 690

(2) 670

(3) 780

(4) 720

(5) None of these

113. What is the percentage of qualified aspirants with respect to appeared aspirants from states B and C taken together? (Rounded off to two decimal places.)

(1) 23.11

(2) 24.21

(3) 21.24

(4) 23

(5) None of these

114. What is the ratio between number of candidates qualified from States B and D together and the number of candidates appeared from States 'C respectively?

(1) 8:37

(2) 11:12

(3) 37 : 40

(4) 7 : 37

(5) None of the above

Directions (Q. Nos. 115-119) In the following questions, two equations numbered I and II are given. You have to solve both the equations and give

sector expenditure there was a continuous decrease in which sector?

(1) In no sector (2) Health

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(3) Education (4) Social services

(5) Social welfare and related areas

123. For plan VI out of public sector expenditure, what per cent of expenditure is on Housing and Urban services?

(1) 0.35

(2) 25

(3) 25.5

(4) 2.5

(5) 20.5

124. For all the given plans, what was the difference in expenditure on education and health?

(1) Rs 220400000

(2) Rs 224000000

(3) Rs 22040000000

(4) Rs 220400000000

(5) None of these

125. The respective ratio between the present ages of son, mother, father and grandfather is 2:7:8:12 The average age of son and mother is 27 yr. What will be mother's age after 7 yr?

(1) 40yr

(2) 41 yr

(3) 48 yr

(4) 49 yr

(5) None of these

126. In an examination, Raman scored 25 marks less than Rohit. Rohit scored 45 more marks than Sonia. Rohan scored 75 marks which is 10 more than Sonia. Ravi's score is 50 less than, maximum marks of the

test. What approximate percentage of marks did Ravi score in the examination, if he gets 34 marks more than Raman?

(1) 90

(2) 70

(3) 80

(4) 60

(5) 85

127. 8 men and 4 women together can complete a piece, of work in 6 days. The work done by a man in one day is double the work done by a woman in one day. If 8 men and 4 women started working and after 2 days 4 men left and 4 new women joined, in how many more days will the work be completed?

(1) 5 days

(2) 8 days

(3) 6 days

(4) 4 days

(5) 9 days

128. Mr Giridhar spends 50% of his monthly income on household items and out of the remaining he spends 50% on transport, 25% on entertainment, 10% on sports and the remaining amount of Rs 900 is saved. What is Mr Giridhar's monthly income?

(1) Rs 6000

(2) Rs 12000

(3) Rs 9000

(4) Cannot be determined

(5) None of these

129. The cost of fencing a circular plot at the rate of Rs15 per m is Rs 3300. What will be the cost of flooring the plot at the rate of Rs 100 per sq m?

(1) Rs 385000

(2) Rs 220000

(3) Rs 350000

(4) Cannot be determined

(5) None of these

130. The simple interest accrued on a sum of certain principal in 8 yr at the rate of 13% per year is Rs 6500. What would be the compound interest accrued on that principal at the rate of 8% per year in 2 yr?

(1) Rs 1040

(2) Rs 1020

(3) Rs 1060

(4) Rs 1200

(5) None of these

Directions (Q. Nos. 131-135) Study the following information carefully to answer the questions that follow.
There are two trains . A and B. Both trains have four different types of coaches viz. General coaches, sleeper coaches, first class coaches and AC coaches. In train A, there are total 700 passengers. Train B has 30% more passengers than train A. 20% of the passengers of train A are in general coaches. One-fourth of the total number of passengers of train A are in AC coaches. 23% of the passengers of train A are in sleeper class coaches. Remaining passengers of train A are in first class coaches. Total number of passengers in AC coaches in both the trains together is 480. 30% of the number of passengers of train B is in sleeper class coaches, 10% of the total passengers .of train B are in first class coaches. Remaining passengers of train B are in general class coaches.

131. What is the ratio of the number of passengers in first class coaches of train A to the number of passengers in sleeper class coaches of train B?

(1) 13:7

(2) 7:13

(3) 32 : 39

(4) Data inadequate

(5) None of these

132. What is the total number of passengers in the general coaches of train A and the AC coaches of train B together?

(1) 449

(2) 459

(3) 435

(4) 445

(5) None of these

133. What is the difference between the number of passengers in the AC coaches of train A and total number of passengers in sleeper class coaches and first class coaches together of train B?

(1) 199

(2) 178

(3) 187

(4) 179

(5) None of these

134. Total number of passengers in general class coaches in both the trains together is approximately. What percentage of total number of passengers in train B?

(1) 35

(2) 42

(3) 45

(4) 38

(5) 31

135. If cost of per ticket of first class coach ticket is Rs 450, what total amount will be generated from first class coaches of train A?

(1) Rs 100080

(2) Rs 108000

(3) Rs 100800

(4) Rs 10800

(5) None of these

Directions (Q. Nos. 136-140) Study the following pie chart carefully to answer the questions.
Degree Wise Break-up of Employees Working in Various Departments of an Organization and the ratio of Men to Women

136. What is the number of men working in the Marketing department?

(1) 462

(2) 454

(3) 418

(4) 424

(5) None of these

137. What is the respective ratio of the number of women working in the HR department to the number of men working in the IT department?

(1) 11:12

(2) 17:29

(3) 13:28

(4) 12:35

(5) None of these

138. The number of men working in the production department of the organisation forms what per cent of

the total number of employees working in that department?

(1) 88%

(2) 90%

(3) 75%

(4) 65%

(5) None of these

139. The number of women working in the IT department of the organization forms what per cent of the total number of employees in the organization from all departments together?

(1) 3.2%

(2) 4.8%

(3) 6.3%

(4) 5.6%

(5) None of these

140. What is the total number of men working in the organization?

(1) 2198

(2) 2147

(3) 2073

(4) 2236

(5) None of these

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