Directions (1-5): The following questions are accompanied by three statements I or A, II or B and III or C. You have to determine which statement(s) is/are sufficient/necessary to answer the questions and mark your answer accordingly

Q1. What is the age of the Raghu in his family?
I. Total age of Raghu, his father, his mother & his sister is 90 years.
II. Average age of Raghu, his mother and his sister is 18 years and 4 months.
III. Average age of his mother and sister is four seventh of his father's age.
(a) Only I & II
(b) Only I & III
(c) Only II & Ill
(d) All I, II & III
(e) None of these

Q2. What is the selling price of the T.V. set if no discount is offered?
I. Profit earned was 20% when no discount was offered.
II. Had 10% discount been offered on selling price the profit would have been Rs. 1200.
III. Cost price is Rs. 15000.
(a) Any two of the three
(b) Only I & II
(c) Only I I & III
(d) Only II & III
(e) None of these

Q3. 12 women and 8 children can complete a piece of work in 24 days together. How many days will it take for 12 men and 12 women to complete the same work?
A. 2 men can do as much work as 3 women and 2 children can do together.
B. 3 women can do as much work as 6 children can do.
C. All of them together can complete the entire work in $\frac{768}{67}$ days.

(a) Any two of them
(b) Only from A and B
(c) Only C
(d) Either A or B only
(e) No need of any information

Q4. A train crosses a tunnel in 24 sec. Find out the length of the tunnel.
A. Ratio between the lengths of a platform and the train is 7 : 5.
B. The train crosses the platform in 18 sec.
C. The speed of the train is 54 km/hr.

(a) Only A and B together
(b) Only B and C together
(c) Only A and C together
(d) Questions can't be answered even after using all the information
(e) All statements are required

Q5. What is the marked price of the tv?
A. Shopkeeper gives 15% discount on the tv and he earns a total profit of 20 percent.
B. The cost price of a table is 40% less than the cost price of tv.
C. By selling the table in Rs.560 a profit of 10 percent is earned.
(a) Only A or B alone
(b) Only B or C alone
(c) Only A and C together
(d) Any two of them together
(e) All statements are necessary.

Directions (6-10): Given below is the data about students appeared in two exams i.e., A and B in six different years i.e., 2011 to 2016. Total students appeared in both exam in 2016 is 8000 while in 2013 it is 5800. Average number of students appeared in exam B in 2011 and 2013 is 3100 and is in the ratio 18 : 13. Students appeared in exam A in year 2015 is $\frac{100}{3}$% more than students appeared in exam B in same year. Total students appeared in 2016 is 25% more than total students appeared in 2011. Students appeared in exam A in 2016 is 62(26/27) % more than students appeared in exam B is 2015. Ratio of total students appeared in 2016 & 2014 is 16 : 13. Total number of students appeared in exam A in all six years is 21,100. Students appeared in exam B in 2011 is same as student appeared in exam A in 2015.Students appeared in exam A in 2012 is 700 more than that of students appeared in same exam in 2014. Students appeared in exam B in 2014 is 1200 less than that of in same exam in 2012.

Q6. In which year total students appeared in both exams is 3rd highest?
(a)2012
(b)2014
(c)2016
(d)2011
(e)Other than the given options

Q7. What is the respective ratio between students appeared in exam A in year 2011, 2012 and 2014 together to the students appeared in exam B in year 2013, 2014 and 2016 together?
(a) 95 : 97
(b) 99 : 97
(c) 98 : 97
(d) 99 : 95
(e) 77: 87

Q8. Find the difference between average number of students appeared in exam A and average of students appeared in exam B in starting four years?
(a) 250
(b) 225
(c) 215
(d) 200
(e) 300

Q9. Students appeared in exam A in 2013 is how much less than students appeared in exam B in 2012?
(a) 1400
(b) 1000
(c) 1100
(d) 1200
(e) 1300

Q10. Total number of students appeared in both exam in 2012 is what percent more than total number of students appeared in both exam in 2011?
(a) 25.25%
(b) 28.25%
(c) 31.25%
(d) 34.25%
(e) 37.25%

Directions (11-15): what would come in place of question mark(?) in the following questions?

Q11. $\frac{3}{5}$ of $\frac{4}{7}$ of $\frac{5}{9}$ of $\frac{21}{24}$ of $(\mathbf{4.375\%}$ of $\mathbf{11520}) =?$
(a) 96
(b) 86
(c) 84
(d) 95
(e) 92

Q12. $107 + \frac{3}{8}$ of $168 \times (\mathbf{6.75\%}$ of $\mathbf{400})^{?} = 1098 \div 18 + 2197 - 1872 - 90$
(a) $\frac{1}{2}$
(b) 1
(c) $\frac{1}{3}$
(d) $\frac{1}{4}$
(e) 3

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Q13. $\frac{5}{6} \div \frac{6}{7} \times ? - \left(88\frac{8}{9}\% \text{ of } 1\right) \div 1\frac{3}{5} + \frac{3}{4} \times 3\frac{1}{3} = 2\frac{7}{9}$

(a) $\frac{5}{6}$

(b) $\frac{6}{7}$

(c) $\frac{7}{6}$

(d) $\frac{6}{5}$

(e) $\frac{4}{7}$

Q14. $\frac{28}{65} \times \frac{195}{308} + \frac{39}{44} + \frac{5}{22} = ?$

(a) $\frac{1}{3}$

(b) $\frac{61}{44}$

(c) $1\frac{1}{2}$

(d) $\frac{1}{2}$

(e) 1.59

Q15. $(23)^2 + (48)^2 - (39)^2 = ? + 1147$

(a) $(13)^2$

(b) 144

(c) 165

(d) 12.8

(e) 132

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