





WBCS 2022



8 HOURS MARATHON

12 JUNE 2022





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QUESTION 1

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(a) He was so inquisitive/ (b) that he rose many/ (c) questions in the class ./ (d) No error.



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2. . In a certain year, the average monthly income of a person was Rs.3400. For the 1st 8 months of the year, his average monthly income was Rs.3160 and for the last five months, it was Rs.4120. His income in the 8th month of the year was?

- A. Rs.5008 B. Rs.5080 C. Rs.5880 D. 5800 E. Rs.8005

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3. A batsman has a certain average in 11innings. In the 12th innings, he scores 90runs and his average decreases by 5. After the 12th innings what is his average?

- A.140 B. 160 C.145 D. 165 E. 150

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4. At what rate compound interest does a sum of money becomes nine-fold in 2yrs?

- A. 200% B. 250% C. 180% D. 100% E. 130%

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5. A tradesman who was selling one kind of tea at Rs96/kg with a loss of 20% and another kind Rs 140/kg at a gain of 25%, mixes together in equal ratio. He sells the mixture at Rs 174/kg. What is his gain percentage?

- A. 65% B. 30% C. 45% D. 50% E. 40%

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6. A milkman buys 35Lt of milk at Rs560. How many litres of water he should add to the milk just to recover his cost by selling milk at Rs.14/litre?

- A. 5Ltr B. 4ltr C. 8ltr D. 9ltr E. 7ltr

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7. A, B & C enter into a partnership with capitals in the ratio 5:6:8. At the end of the business term, they received the profits in the ratio 5:3:12. Find the ratio of time for which they contributed their capitals?

A. 2:1:3

B. 3:4:2

C. 7:2:3

D. 1:2:3

E. 3:5:6

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8. Ravi & Ramu are partners in a business. Ravi contributes $\frac{1}{6}$ of the capital for 16 months & Ramu received $\frac{2}{3}$ of the profit. For how long was Ramu's money used?

- A. 5.2m B. 6.4m C. 3.7m D. 6m E. 8m



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9. In a class of 35 students and 6 teachers, each student got toffees that are 20% of the total number of students and the teacher got toffees that are 40% of the total number of students. What was the total number of toffees?

a.245 b.161 c.406 d.84 e. None.

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10. If two pipes function simultaneously, the reservoir will be filled in 6hrs. One pipe fills the reservoir 5hrs faster than the other. How many hours does the faster pipe take to fill the reservoir?

- A. 8hrs B. 9hr C.10hrs D.12hrs E. 6hrs

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11. P is 6 times as large as Q. By how much percent is Q less than P?

- a. 83 b. 70 c. 63 d. 50 e. None

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12. A train overtakes two persons who are walking in the same directions in which the train is going, at the rate of 2kmph & 4kmph respectively and passes them completely in 9sec & 10sec respectively. The length of the train is?

- A. 55m B. 65m C. 60m D. 50m E. 45m

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13. An article is marked at 18000/-. A trader bought it at successive discounts of 25% and 10% respectively. He spends 1350/- on transportation to his shop and then sold the article for 15000/-. What is the trader's profit?

- A. 11% B. 10% C. $16\frac{2}{3}\%$ D. $11\frac{1}{9}\%$ E. 12%

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14. Rs.18750 is invested by a man in the bank account of his two sons who are 14yrs & 12yrs respectively in such a way that they will get equal amount at an age of 18yrs at 5% p.a simple interest. Find the share of the younger child?

- A. 9000 B. 7500 C. 8000 D. 7000 E. 8500

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15. In a flight of 600kms, an aircraft was slowed down due to bad weather. Its average speed for the trip is reduced by 200kms/hr and the time of flight increased by 30min. The duration of flight is?

- A. 1hr B. 1.5hr C. 2.5hr D. 3hr E. 3.5hr

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16. Two men A & B walk from P to Q, a distance of 21km at 3 & 4km an hour respectively. B reaches Q and returns immediately and meets A at R. Find the distance from P to R?

- A. 17km B. 18km C. 19km D. 21km E. 20km

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17. X can do 20% of a work in a day, Y can do 25% of the same work in a day and X,Y & Z together can do 50% of the same work in a day. How much percent of work can be done by Z in a day?

- A. 5% B.6% C.7% D. 8% E. 5.5%

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