Roll No ....

MCADD-304

M.C.A. (Integrated), III Semester

Examination, November 2023

Aptitude Skills and Reasoning

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a)   The H.C.F of two numbers is 11 and their L.C.M is 693. If one of the numbers is 77, find the other.

    b)   Raman's salary was decreased by 50% and subsequently increased by 50% . how much percent does he lose?

2. a)   A book was sold for Rs. 27.50 with a profit of 10%.if it were sold for Rs.25.75, then what would have been the percentage of profit or loss?

    b)   Write a difference between L.C.M and H.C.F.

3. a)   Write a note on simple interest and give one example.

    b)   Explain the compound interest with an example.

4. a)   Write a note on Mixture and Allegation.

    b)   A and B can do a piece of work in 18 days; B and C can do it in 24 days; A and C can do it in 36 days. In how many days A, B and C finish it, working together and separately?

5. a) Write a note on speed and distance.

   b) I walk a certain distance and ride back taking a total time of 37 minutes. I could walk both ways in 55 minutes. How long would it take me to ride both ways?

6. a) In a certain code language, "YEARLY" is written as "BVZIOB". What will be the code for "ANNUAL" in the same language?

   b) Mr. Deepak Mohan walks 5 km towards the south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. What direction is he facing right now?

7. a) Write a note on data interpretation.

   b) A man can row upstream at 7 kmph and downstream at 10 kmph. Find man's rate in still water and the rate of current.

8. Write any two from the following
   a) Blood relation
   b) Syllogism
   c) Time and work .
   d) Calendar

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