Roll No ....

MCADD-304

M.C.A. (Dual Degree/Integrated Course), III Semester

Examination, November 2018

Aptitude Skills and Reasoning

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Highest common factor and lowers common multiple of two numbers are 18 and 1782 respectively one number is 162, find the other.

   b) In the first 10 overs of a cricket game. The run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

2. a) A merchant buys an article for Rs.27 and sells it at a profit of 10% of the selling price. What is the selling price of the article?

   b) What is the difference between simple interest and compound interest?

3. a) Rakesh can do a piece of work in 20 days. How much work can he do in 4 days?

   b) Define mixture and allegation with their formulas.

4. a) A train running at the speed of 6 km/hr crosses a pole in 9 seconds. What is the length of the train.

    b) What is the meaning of relative speed?

5. a) A boat travels at 9 km/h along the stream and 6 km/h against the stream. Find the speed of the boat in still water.

    b) Write the difference between Permutation and Combination.

6. a) Look at this series 53, 53, 40, 40, 27, 27,... what number should come next?

    b) In a certain code language COMPUTER is written as RFUVQNPC. How will MEDICINE be written in that code language?

7. a) Pointing to a photograph of a boy Ramesh said, "He is the son of the only son of my mother." How is Ramesh related to that boy?

    b) If * stands for 'addition', / stands for 'subtraction', + stands for 'multiplication' and − stands for 'division', then 20*8/8−4+2=?

8. Write short notes : (Any three)
    a) Venn-diagram
    b) Syllogism
    c) Ranking
    d) Data Interpretation
    e) Percentage

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