

RMAT SAMPLE QUESTIONS

Note:

A sample of questions is being provided for making the candidate aware of the style and different levels of questions, which may be asked, in such type of MCA tests. The topics covered here in the sample are not true indication of the syllabus and the test may contain questions from all related areas. This sample is given primarily to help the candidates to understand the pattern of the test.

MATHEMATICAL ABILITY

- A number is greater than its $\frac{2}{5}$ th by 24. What is the number?

(a) 40 (b) 64 (c) 36 (d) 48

- Roshan's income increases by 25% and becomes $1\frac{1}{2}$ times to that of Deepak. What were the total emoluments of Roshan before the increase?

(a) Rs. 1875 (b) Rs. 3750 (c) cannot be determined (d) Rs. 1800

- Starting together from the same point, three cyclists can run a circular track in 54, 63 and 72 seconds respectively. After how much time they will be again at the starting point together provided they go on running at the same respective speeds.

(a) 25 min 12 sec (b) 15 min 12 sec (c) 21 min 18 sec (d) 25 min 30 sec

- The sum of the ages of father and his son is 48 years. After 21 years father will be twice as old as his son. Find their present ages?

(a) 38-10 (b) 39-9 (c) 32-16 (d) 30-18

- $a^2 - b^2$

$(a+b)^2$ is equal to

- (a) Unity (b) $a+b$ (c) $\frac{1}{a-b}$ (d) $\frac{a-b}{a^2+b^2}$ $a+b$

6. If $\frac{\sin f}{1-\cos f} + \frac{\sin f}{1+\cos f} = 4$
then f is equal to:

- (a) 0° (b) 30° (c) 45° (d) 60°

7. When simplified,
 $\left\{\left(\frac{2}{3}\right)^2\right\}^3 \times \left(\frac{1}{3}\right)^{-4} \times (3)^{-1} \times \frac{1}{6}$
becomes :

- (a) $\frac{27}{48}$ (b) $\frac{32}{81}$ (c) $\frac{16}{81}$ (d) $\frac{16}{27}$

ELEMENTARY COMPUTER KNOWLEDGE:

1 CPU is
(a) Output Device (b) Input Device (c) Memory Device (d) None of the above

2 RAM means
• Random Access Memory (b) Read and memorize
(C) Real advance memory (d) Remove automatic marks

3 Logo means
(a) Logical oriented graphic operations (b) Logic over graphic operations
(c) Language oriented graphic oriented (d) Language oriented graphic operations

4 The word VDU is associated with
• Visual Display unit (b) Virtual Display unit
• Visual Dialogue unit (d) None of the above