

ECAT Mathematics MCQ's Test For Full Book

| Sr | Questions | Answers Choice |
|----|---|---|
| 1 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | |
| 2 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | A. Linear equation B. Quadratic equation C. Cubic equation D. None of these |
| 3 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | A. zero at x B. differentiable at x C. continuous at x D. none of these |
| 4 | A key ring is an example of | A. Permutation B. Circular permutation C. Combination D. None |
| 5 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | |
| 6 | If A is an event then which of the following is true | A. $P(A) < 0$ B. $0 \leq P(A) \leq 1$ C. $P(A) > 0$ D. None |
| 7 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | |
| 8 | If a, b, c are in A.P., then $3^a, 3^b, 3^c$ are in | A. A.P. B. G.P. C. H.P. D. None of these |
| 9 | $\sqrt{11}$ is | A. an irrational number B. Rational number C. odd number D. Negative number |
| 10 | The seventh term of $(x^3+1/x)^8$ is | A. 71 B. -22 C. 27 D. 28 |
| 11 | $w^{-1} = \frac{1}{w}$ | A. 0 B. 1 C. w D. w^2 |
| 12 | The approximate increase in the area of a circular disc if its diameter increased from 44cm to 44.4cm is | A. 0.4cm B. 8.8π cm C. 17.6π cm D. 35.2π cm |
| 13 | Which is a proper rational fraction | |
| 14 | Every subset of a finite set is | A. Disjoint B. Null C. Finite D. Infinite |
| 15 | The n numbers $A_1, A_2, A_3, \dots, A_n$ are called an arithmetic means between a and b if $a, A_1, A_2, A_3, \dots, A_n, b$ is _____ | A. An arithmetic series B. An arithmetic sequence C. A geometric sequence D. A harmonic sequence |
| 16 | A non-terminating non-recurring decimal represents an | A. Irrational no B. Both a & c C. Rational no D. None of these |
| 17 | $n(n-1)(n-2)$ in factorial form is | |
| 18 | In a school there are 150 students Out of these 80 students enrolled for mathematics class. 50 enrolled for English class and 60 enrolled for Physics class The student enrolled for English cannot attend any other class but the students of mathematics and Physics can take two courses at a time find the number of students who have taken both physics and | A. 40 B. 30 C. 50 D. 60 |

mathematics.

2. 33

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A rule that assigns to each elements x in X a unique element y in Y is called a _____

- A. domain
- B. range
- C. function
- D. none of these

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The cube roots of 8 are