

Mathematics General Science Test Medium Mode

| Sr | Questions | Answers Choice |
|----|---|---|
| 1 | The square root of every incomplete square is an | A. Rational numbers B. Even numbers C. odd numbers D. Irrational numbers |
| 2 | Question Image | A. 2C B. C^3 C. 1 D. 0 |
| 3 | $ab > 0$ and $a > 0$ then | A. $a > b$ B. $a < b$ C. $a = b$ D. None |
| 4 | Question Image | |
| 5 | Question Image | |
| 6 | Question Image | |
| 7 | 24 can be written as a product of | A. Odd factors B. Even factors C. Whole factors D. Prime factors |
| 8 | The sum of all 2 digit number is | A. 4750 B. 3776 C. 4895 D. 4905 |
| 9 | A and B throw a dice. The probability that A's throw is not greater then B's is | A. $5/12$ B. $7/12$ C. $1/6$ D. $1/2$ |
| 10 | Two positive integers whose sum is 30 and their product will be maximum are | A. 12,18 B. 10,20 C. 15,15 D. 14,16 |
| 11 | Product of any n consecutive positive integers is divisible by | A. n B. \sqrt{n} C. n! D. None |
| 12 | If $a(p+q)^2 + bpq + c = 0$ and $a(p+r)^2 + 2bpr + c = 0$, then qr equals | A. $p^2 + c/a$ B. $p^2 + a/c$ C. $p^2 + c/a$ D. $p^2 - c/a$ |
| 13 | The transpose of a column matrix is a _____ | A. Zero matrix B. Diagonal matrix C. Column matrix D. Row matrix |
| 14 | Question Image | A. 2 B. 6 |
| 15 | Question Image | A. 0 B. 1 C. -2 D. 10 |
| 16 | If a plane passes through the vertex of a cone then the intersection is | A. an ellipse B. a hyperbola C. a point circle D. a parabola |
| 17 | Question Image | |
| 18 | Union of the sets of rational and irrational numbers is called 6th set of | A. Natural numbers B. Real numbers C. Whole numbers |

D. Prime numbers

19 The expansion of $(1 - 3x)^{-1}$ is valid if

- A. $|x| < 1$
- B. $|x| < 3$
- C. $|x| < 1/3$
- D. None of these

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- A. 1
- B. 0
- C. -1
- D. 2