

Mathematics General Science Test Medium Mode

| Sr | Questions | Answers Choice |
|----|---|--|
| 1 | A Series which does not coverage to a Unique sum is called | A. Harmonic Series B. Oscillatroy Series C. Arithmetic Series D. None of these |
| 2 | Question Image | D. all |
| 3 | If $T = \{2,4,6,8,10,12\}$, then | A. $T =$ (First six natural numbers) B. $T =$ (First six odd numbers) C. $T =$ (First six real numbers) D. $T =$ (First six even numbers) |
| 4 | System of linear equations is inconsistent if | A. System has no solution B. System has one solution C. System has two solution D. None of above |
| 5 | If $\pi \leq x \leq 2\pi$, then $\cos^{-1}(\cos x) =$ | A. $\cos x$ B. $-x$ C. $1/x$ D. $-x$ |
| 6 | Question Image | |
| 7 | The equation of the directrix of the parabola $x^2 = 4ay$ is | A. $x + a = 0$ B. $x - a = 0$ C. $y + a = 0$ D. $y - a = 0$ |
| 8 | In R the right cancellation property w.r.t. addition is | |
| 9 | The number of 5-digit number that can be formed from the digits 1,2,4,6,8, when 2 and 8 are never together is | A. 72 B. 48 C. 144 D. 20 |
| 10 | $\tan 180^\circ =$ _____ | A. -1 B. 0 C. 1 D. Undefined |
| 11 | Question Image | D. none of these |
| 12 | In $(x + iy)$ y is called as | A. Imaginary part B. Complex number C. Real part D. None of above |
| 13 | If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the curve of intersection is | A. an ellipse B. a hyperbola C. a circle D. a parabola |
| 14 | The set $(Z, +)$ forms a group | A. Forms a group w.r.t. addition B. Non commutative group w.r.t. multiplication C. Forms a group w.r.t multiplication D. Doesn't form a group |
| 15 | The common ration of a geometric sequence cannot be | A. 0 B. 1 C. 2 D. 3 |
| 16 | Question Image | |
| 17 | A committee consists of 9 experts taken from three institutions A, B, and C, of which 2 are from, A, 3 form B and 4 from C. If three experts resign, then the probability that they belong to different institutions is | A. $1 / 729$ B. $1 / 24$ C. $1 / 21$ D. $2 / 7$ |
| 18 | Question Image | |
| 19 | If n is any positive integer then $4^n > 3^{n+4}$ is true for all | |

with any positive integer then $10^n - 1$ is true for all

20

Question Image