

Mathematics General Science Test Medium Mode

| Sr | Questions | Answers Choice |
|----|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Each point of the feasible region is called | A. Solution B. feasible solution C. Both a & b D. None |
| 2 | $3j . k x i$ | A. 0 B. 1 C. 3 D. 9 |
| 3 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | |
| 4 | A quadratic equation has two | A. roots B. degree C. variables D. constants |
| 5 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | A. 1 B. 2 C. 0 D. 4 |
| 6 | The equations of the line thro' the point (2, 3, -5) and equally inclined to the axis are | |
| 7 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | A. A B. -A C. $A^{\sup}t^{\sup}$ D. $A^{\sup}-^{\sup}$ |
| 8 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | |
| 9 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | |
| 10 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | A. 2 x 2 B. 2 x 3 C. 3 x 2 D. 3 x 3 |
| 11 | If $e > 1$, then the conic, is: | A. Ellipse B. Parabola C. Hyperbola D. None of these |
| 12 | By expressing $\cos 113^\circ$ in terms of trigonometrical ratios, answer will be | A. $\cos 76^\circ = -0.7093$ B. $\cos 65^\circ = -0.4258$ C. $\cos 67^\circ = -0.3907$ D. $\cos 62^\circ = -0.8520$ |
| 13 | Arithmetic mean between $x - 3$ and $x + 5$ is | A. $x + 1$ B. $x + 2$ C. $x + 3$ D. $x + 4$ |
| 14 | $\forall a, b \in R, ab = ba$ is a | A. Commutative law of multiplication B. Closure law of multiplication C. Associative law of multiplication D. Multiplicative identity |
| 15 | $\tan 30^\circ = \underline{\hspace{2cm}}$ | |
| 16 | Question Image <input style="width: 500px; height: 20px;" type="text"/> | A. Closure law of addition B. Associative law of addition C. Additive inverse D. Additive identity |
| 17 | Roots of the equation $x^2 + 5x - 1 = 0$ are | A. Rational B. Irrational C. Complex D. None of these |

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| 18 | Question Image | A. 6 C. 20 D. 0 |
| 19 | The angle of elevation of the top of a tree from a point 17 meters from its foot is 42° . The height of the tree is | A. 12m B. 21m C. 17m D. 15m |
| 20 | If $\forall a, b \in R$, then $a + b \in R$ is a property | A. Closure law of addition B. Associative law of addition C. Additive inverse D. Additive identity |