

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The order of the matrix $\begin{bmatrix} 1 & 2 & 3 \end{bmatrix}$ is	A. 1 x 1 B. 3 x 3 C. 3 x 1 D. 1 x 3
2	The transpose of a zero matrix is a _____	A. Column matrix B. Zero matrix C. Row matrix D. Scalar matrix
3	Power set of X i.e P(X).....under the binary operation of union U	A. Forms a group B. Does not form a group C. Has no identity element D. Infinite set although X is infinite
4	Every recurring decimal represents	A. A natural number B. A rational number C. An irrational number D. A whole number
5	If $y = e^{ax} \sin bx$ and $y^2 - 2ay + (a^2+b^2)y=0$ the for what values of a and b we have $y^2+10y+34y=0$	A. $a = -10, b=34$ B. $a=-5, b=3$ C. $a=5, b=3$ D. $a=10, b=34$
6	Question Image	
7	$2\cos^2 a/2 =$ _____;	A. $1+\sin a$ B. $1-\sin a$ C. $1+\cos a$ D. $1-\cos a$
8	A box containing 10 mangoes out of which 4 are rotter. Two mangoes are taken together from the box. If one of them is found to be good, the probability that the other is also good is	A. $1/3$ B. $8/15$ C. $5/13$ D. $5/9$
9	Question Image	
10	If $\sin A = \sin B$, $\cos A = \cos B$, then the value of A in terms of B is	
11	Two unbiased dice are thrown. The probability that the total score is > 5 is	A. $1/18$ B. $7/18$ C. $13/18$ D. $11/18$
12	The distance of the point $(-2, -3)$ from x-axis is	A. 2 B. -3 C. 3 D. 5
13	Question Image	
14	Every prime number is also	A. Rational number B. Even number C. Irrational number D. Multiple of two numbers
15	The coefficient of x^{10} in the expansion $(x^3+3/x^2)^{10}$ is	A. 1700 B. 17023 C. 17027 D. 17010
16	The set of rational number is represented by	A. W B. R C. Q' D. \mathbb{Q}
17	2.333....is a	A. Irrational no B. Complex no C. Rational no D. None of these
18	Question Image	

19 The order of the matrix A is 3×2 and that of B is 2×3 . The order of the matrix BA is

- A. 3×3
- B. 3×2
- C. 2×5
- D. 5×2

20 The quadratic formula is
