

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The system of measurement in which the angle is measured in degrees, minutes and seconds is called the	A. circular system B. CGS system C. sexagesimal system D. none of these
2	The angle between the vectors $\underline{u} = 2\hat{i} - \hat{j} + \hat{k}$ and $\underline{v} = -\hat{i} + \hat{j}$ is:	A. $3\pi/2$ B. $2\pi/3$ C. $5\pi/6$ D. $\pi/3$
3	Question Image	
4	Question Image	
5	A dice is rolled. The probability that the dots on the top are greater than 4 is	A. 1/6 B. 1/3 C. 1/2 D. 1
6	Question Image	A. $P(A) + P(B)$ B. $P(A) - P(B)$ C. $P(A) \cdot P(B)$ D. $P(A) / P(B)$
7	Question Image	A. π B. $\pi / 2$ C. $\pi / 3$ D. $\pi / 4$
8	Question Image	
9	Question Image	A. $\sin x + c$ B. $-\sin x + c$ C. $\cos x + c$ D. $-\cos x + c$
10	$\int f(x)$ is known as:	A. Definite itegral B. Indefinite integral C. Fixed integral D. Multiple integral
11	$1/2, 1/3, 1/4, 1/5, \dots$ is	A. a geometric sec B. an arithmetic series C. finite sequence D. an infinite sequece
12	If $x^3 - x^2 + 5x + 4$ is divided by $x - 2$, then the remainder is	A. 0 B. 2 C. 18 D. 14
13	Question Image	A. xy B. y C. 0 D. x
14	The probability to get an odd number in a dice thrown once is	A. 1/2 B. 1/6 C. 1/3 D. 2
15	If A is skew Hermitian Matrix then which of the following is not skew Hermitian matrix	A. A^2 B. A^5 C. A^3 D. A^7
16	$w^{28} + w^{38} =$ _____	A. 0 B. 1 C. w D. -1

- 17 Matrices $A = [a_{ij}] 2 \times 3$ and $B = [b_{ij}] 3 \times 2$ are suitable for
- A. BA
B. A^2
C. AB
D. B^2
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- 18 Find the geometric mean between 4 and 16
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- 19 The point of concurrency of the angle bisectors of a triangle is called
- A. incentre
B. circumcentre
C. e-centre
D. centroid
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- 20  D. none of these