

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. Hermitian matrix B. Skew-hermitian matrix C. Symmetric matrix D. Identity matrix
2	Question Image	A. 30° B. 45° C. 60° D. 120°
3	Question Image	A. 0 B. 1 C. 2 D. 4
4	Question Image	
5	Question Image	
6	Question Image	
7	The number of proper subset of $A = \{a, b, c, d\}$ is	A. 3 B. 6 C. 8 D. 15
8	Question Image	A. 0 B. 1 C. -1 D. 2
9	Question Image	A. $5x^4 + c$ B. $\frac{1}{6}x^6 + c$ C. $5x^2 + c$ D. $\frac{1}{5}x^6 + c$
10	Question Image	A. x^{39} B. $40x^{39}$ C. $40x^{41}$ D. none of these
11	Question Image	A. -1 B. 0 C. 1 D. undefined
12	The interval in which $f(x) = x^3 - 6x^2 + 9x$ is increasing	A. $1 < x < 3$ B. $x < 1$ and $x > 3$ C. $x \geq 1$ and $x \leq 3$ D. $-\infty < x < \infty$
13	The st. lines whose direction cosines satisfy $al + bm + cn = 0$, $fmn + gnl + hlm = 0$ are perpendicular if	
14	The nth term of an A.P., is $12 - 4n$. Its common difference is	A. 8 B. 4 C. -4 D. 16
15	Question Image	
16	Question Image	
17	There are 16 point in a plane, in which 6 are collinear. how many lines can be drawn by joining these points?	A. 10 B. 66 C. 71 D. 106
18	A and B be two square matrices and if their inverse exist the $(AB)^{-1} =$	A. $A^{-1}B^{-1}$ B. AB^{-1} C. $A^{-1}B$ D. $B^{-1}A^{-1}$

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Question Image

- A. Lies between 4 and 7
- B. Lies between 5 and 9
- C. Has no value between 4 and 7
- D. Has no value between 5 and 9

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Question Image

- A. Reflexive property
- B. Symmetric property
- C. Transitive property
- D. Additive property