

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If $f(x) = x^2 - x$ then $f(2)$ is	A. 4 B. 6 C. 2 D. 0
2	$\cos 6\theta + \cos 2\theta = \underline{\hspace{2cm}}$;	A. $-2\sin 4\theta \sin 2\theta$ B. $2\cos 4\theta \cos 2\theta$ C. $2\sin 4\theta \cos 2\theta$ D. $2\cos 4\theta \sin 2\theta$
3	x is a member of the set $\{-1, 0, 3, 5\}$ y is a member of the set $\{-2, 1, 2, 4\}$ which is possible?	A. $x - y = -6$ B. $x - y < -6$ C. $x - y > -6$ D. None
4	The mid point of the line segment joining the points $(4,0)$ and $(0,4)$ is	A. $(4,4)$ B. $(2,2)$ C. $(-4,-4)$ D. $(-2,-2)$
5	The coefficient of x^{10} in the expansion $(x^3 + 3/x^2)^{10}$ is	A. 1700 B. 17023 C. 17027 D. 17010
6		
7	When rational fraction is separated into partial fractions, the result is	A. an identity B. A fraction C. A partial sum D. Improper fraction
8		
9		A. 0 B. 1 C. -1 D. None
10	If G is the centroid of the triangle, then $GA + GB + GC =$	A. 0 B. 1 C. -1 D. 3
11		A. trigonometric equation B. conditional equation C. identity D. None
12		
13		A. $R/[0,4]$ B. $R/(0,4)$ C. $(0,4)$ D. $[0,4]$
14	If the sum of co-efficient in the expansion of $(a+b)^n$ is 4096, then the greatest co-efficient in the expansion is	A. 1594 B. 792 C. 924 D. 2924
15		A. A B. B C. U D. None of these
16		
17	The set of the first elements of the orders pairs forming a relations is called its	A. Relation in B B. Range C. Domain D. Relation in A

18 $\cos 0^\circ = \underline{\hspace{2cm}}$

- B. 0
- C. 1
- D. Undefined

19 Question Image

20 $\tan(\pi - \theta) = \underline{\hspace{2cm}}$

- A. - $\sin \theta$
- B. - $\tan \theta$
- C. - $\cos \theta$
- D. - $\cot \theta$