

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	
4	Question Image	A. Polynomial of degree 0 B. Polynomial of degree 1 C. Polynomial of degree 2 D. Polynomial of degree n
5	If sided of $\triangle ABC$ are 16,20,and 33, then the value of the greatest angle to	A. 150° B. 132° C. 101° D. 160°
6	Question Image	
7	Question Image	
8	The distance between the points (0 , 0) and (2, 1) is	A. 5 C. 0 D. 3
9	If p, q, r and in A.P., a is G.M. between p and q and b is G.M. between q and r, then a^2, q^2, b^2 are in	A. A.P. B. G.P. C. H.P. D. None of these
10	Question Image	A. 0 B. 1 C. -1 D. None of these
11	The period of $\cot 8x$ is	A. $\pi/10$ B. $9\pi/7$ C. $\pi/9$ D. $\pi/8$
12	The value of $\sin^2 20^\circ + \sin^2 70^\circ$ is equal to	A. 1 B. 2 C. -1 D. $1/2$
13	If $c = 2i+j+k$ and $d = -1 + 4j + 2k$, then $[c-d]=$	A. $\sqrt{7}$ B. $\sqrt{41}$ C. $\sqrt{19}$ D. $\sqrt{(2\&7)}$
14	The area of circle of unit radius =	A. 0 B. 1 C. 4 D. π
15	The conjugate of $\sqrt{5} i$ is	A. $\sqrt{5}$ B. $-\sqrt{5} i$ C. i D. $5i$

16 If $\cos\theta=0$, then $\theta=$ _____

π

- C. $(2n - 1)\pi$
D. $(4n + 1)\pi$

17 The set of natural is a semi group w.r.t

- A. Addition
B. Division
C. Subtraction
D. None of these

18 

- A. Only one real solution
B. Exactly three real solution
C. Exactly one rational solution
D. Non-real roots

19 The feasible region which can be enclosed within a circle is called

- A. Bounded region
B. Convex region
C. Unbounded region
D. None

20 The middle term of $(1/x-x)^{10}$ is

- A. -152
B. -252
C. 371
D. -421