Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The distance between the points (2, 2) and (3, 3) is	A. 10 C. 5 D. 2
2	Question Image	
3	The general term in the expansion of $(a+x)^n$ is	A. (r-1)th term B. (r+1)th term C. rth term D. none
4	The solution of the equation $3 \tan^2 x = 1$ is _____	D. none of these
5	What is the conjugate of -7 -2i ?	A. -7 + 2i B. 7 +2i C. 7 -2i D. √53
6	A non-terminating non_recurring decimal represents an	A. Irrational no B. Both a & c C. Rational no D. None of these
7	If $Proj_v u = Proj_u v$, then	A. Uand vare parallel B. |u|=|v| C. Uand vre perpendicular D. One of u or v
8	-2, 1, 4, 7,.... is _____	A. Harmonic sequence B. Arithmetic sequence C. Geometric sequence D. Arithmetic series
9	A circle which touches one side of a triangle externally and the other two sides produced is called _____	A. In-circle B. Circum cirle C. Escribed circle D. None of these
10	Question Image	
11	The distance between the points A(-8,3) and B(2,-1) is	B. 116 D. none of these
12	The curve f(x,y) = 0 has a central symmetry if	A. f(-x,-y)=f(x,y) B. f(x,-y)=f(x,y) C. f(-x,y)=f(x,y) D. f(-x,-y)≠f(x,y)
13	Question Image	
14	If 2 and 2 are x and y components of vector then its angle with x-axis is	A. 30° B. 45° C. 60° D. 90°
15	The set of complex numbers forms a group under the binary operation of	A. Addition B. Multiplication C. Division D. Subtraction
16	A square matrix A = [aij] is upper triangular when	A. $c_{ij} = 0$ B. $b_{ij} = 0$ C. $a_{ij} = 0$ for all i > j D. $d_{ij} = 0$
17	Question Image	

18	Question Image	A. Reciprocal equation B. Exponential equation C. Radical equation D. None of these
19	Question Image	A. -1 B. 0 C. 1 D. None of these
20	The sum of all 2 digit number is	A. 4750 B. 3776 C. 4895 D. 4905