Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. 15 B. 15 i C. -15 i D. -15
3	Question Image	
4	The equation of the circle with centre origin and radius r is	A. x²+ y²= 1 B. x²+ y²= r² C. x²+ y²= 0 D. x²- y²= r²
5	Question Image	
6	Question Image	A. An empty set B. Universal set C. A singleton set D. None of these
7	(x-1) is a factor of	A. 2x³- 3x²+9 B. 2x³-5x-8 C. 48x²⁻46x-9 D. x⁹-1
8	If the line 2x -y +k =0 is a diameter of the circle x2 +y2 +6x -6y +5 =0 then k is equal to	A. 12 B. 9 C. 6 D. 3
9	Question Image	
10	If u =2i +pi + 5k and v = 3i + i +pk are perpendicular , then p=	A. 1 B. 2 C. -1 D. -3
11	Question Image	
12	If P is a proposition then its negative is denoted by	
13	The equation of the tangent at vertex to the parabola is y2 = -8(x -3)	A. y=0 B. x=3 C. x=1 D. x=5
14	Question Image	A. Commutative property of addition B. Closure property of addition C. Additive inverse D. Associative property w.r.t. to addition
15	If Projvu = Projuv, then	A. Uand vare parallel B. |u|=|v| C. Uandvre perpendicular D. One ofuorv
16	x^2+ x - 6 = 0 is	A. An equation B. An identity C. A polynomial D. None of these
17	The 31 term of the A.P 5,2,-1.....is	A. -82 B. 82 C. 85 D. -85

18	Question Image	A. -1 B. 0 C. 2 D. 1
19	Question Image	
20	Question Image	