Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	If f(x) = ax^2, and a>0, then the lowest point on the parabola is called.	A. Vertex of parabola B. Co-ordinates of parabola C. Roots of the equation D. Coefficient of the equation
3	Question Image	A. an A.P. B. a G.P. C. a H.P. D. None of these
4	Question Image	
5	Question Image	
6	The axis of the parabola y^2= 4ax is	A. X = 0 B. Y = 0 C. X = y D. X = -y
7	Question Image	A. quadrant I B. quadrant II C. quadrant III D. quadrant IV
8	Question Image	
9	If distance of (a,b) from x-axis is 2 then	A. a = 2 B. b = 2 C. a = b D. b = 4
10	If a polynomial p(x) is divided by x-c, then the remainder is	A. p(x) B. x-c C. c D. P(c)
11	Question Image	A. Free vector B. Null vector C. Unit vector D. None of these
12	Question Image	
13	r + 3 >5 then which is true	A. r + 2 > 4 B. r + 2 < 4 C. r + 2 = 4 D. None
14	The equation of the sphere passing thro' (0, 0, 0), (a, 0, 0), (0, b, 0), (9, 0, c) is	A. x²+ y²+ z²+ 2 ax +2 by + 2cz = 0 B. x²+ y²+ z²- 2ax - 2 by - 2cz = 0 C. x²+ y²+ z²- ax - by - cz = 0 D. x²+ y²+ z²+ ax + by + cz = 0
15	The n numbers $A_1,A_2,A_3,.....A_n$are called an arithmetic means between a and b if a.$A_1,A_2,A_3.....A_n$, b is _____	A. An arithmetic series B. An arithmetic sequence C. A geometric sequence D. A harmonic sequence
16	The equation of line passing through intersection of line x = 0 and y = 0 and the point (2,2) is	A. y = x B. y = x - 1 C. y = x + 1 D. y = x + 1
17	If the domain of sequence is finite set then the sequence is called	A. geometric sequence B. infinite sequence C. finite sequence D. arithmetic sequence

18	The value of x for which the polynomials x2 - 1 and x2 -2x + 1 vanish simultaneously is	A. 2 B. 1 C. -1 D. -2
19	The zero vector is regarded to be parallel to	A. Every vector B. Is some cases C. Both a,b D. None
20	Write the first four terms of the sequence if $a_n = (-1)^n n^2$	A. -1, 4, -9, 16 B. 1, -4, 9, 16 C. 1, 4, 9, 16 D. None of these