Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	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)
2	Question Image	A. a constant function B. linear function C. quadratic funtion D. none of these
3	Question Image	
4	The measure of the angle subtended at the centre of the circle by an arc, whose length is equal to the radius of the circle is	A. 1⁰ B. 1' C. 1" D. 1 rad
5	If a,b,c are three non-coplanar vector then [a +b,b +c,c +a] = _____	A. [a.b.c] B. 2[a,b,c] C. [abc]-2 D. 2[abc]2
6	Question Image	A. 1 B. 0 C. -2 D. 3
7	A,G,H are in	A. A.P B. G.P C. H.P D. None of these
8	Question Image	D. None of these
9	The factorial of a positive integers is a (an)	A. Rational number B. Positive integer C. Real number D. None
10	The line through the focus and perpendicular to the directrix is called _____ of the parabola	A. axis B. focal chord C. tangent D. latus rectum
11	Question Image	
12	Question Image	A. Only one real solution B. Exactly three real solution C. Exactly one rational solution D. Non-real roots
13	In a school there are 150 students Out of these 80 students enrolled for mathematics class.50 enrolled for English class and 60 enrolled for Physics class The student enrolled for English cannot attend any other class but the students of mathematics and Physics can take two courses at a time find the number of students who have taken both physics and mathematics.	A. 40 B. 30 C. 50 D. 60
14	The number of divisors of 1029, 1547 and 122 are in	A. A.P. B. G.P. C. H.P. D. None of these
15	Question Image	A. 1 + tan²x + c B. tan x + c C. -tan x + c D. cot x + c
16	A - B = _____	
17	Question Image	A. (3, 1, -2) B. (3, -2, 1) C. (2, -1, 3) D. (-1, -2, -3)

18	Question Image	
19	Question Image	A. a²b²c² B. 4a²b²c² C. 4abc D. None
20	Domain of y = scs x is	A. All real numbers except π/2 + n*π B. R C. All negative integers D. None of these