

Mathematics General Science Test Medium Mode

0-	Overfirm	Arrayana Ohaira
Sr	Questions	Answers Choice
1	The expansion of (1 + 2x) ⁻² is valed if	A. x < 1/2 B. x < 1 C. x < 2 D. x < 3
2	Question Image	
3	If a x b 2 + (a,b)2 =	A. a 2 + b 2 B. a 2- b 2 C. a 2 b 2 D. None
4	If the sum of even coefficients in the expansion of (1+x)n is 128 then	A. n=7 B. n=9 C. n=8 D. None
5	If n is a negative integer n! is	A. 1 B. 0 C. Unique D. Not defined
6	Question Image	A. 11 B. 61 D. 1
7	Each complex cube root of unity is square of	A. itself B. 1 C1 D. the other
8	If $f(x)=x^3$ then $f(-2)$ is	A2 B4 C8 D. 8
9	The equation of the sphere thro' the origin and making intercepts a, b, c on co-ordinate axes is	A. x ² + y ² + z ² + ax + by + cz = 0 B. x ² + y ² + z ² + z ² + z ² + z ² + y ² + z ² + y ² + z ² + z ² + z ² + a + b + c D. x ² + y ² + z ^{2<s< td=""></s<>}}}
10	An expression involving any of the symbols <,>,≤ or ≥ is called	A. equation B. inequality C. linear equation D. identity
11	If $ \alpha i + (\alpha+1)j + 2k = 3$ then value of α is	A. 1,2 B1,-2 C. 1,-2 D1,2
12	If θ be angle between u,v and u,v determine the sides of a triangle then the third side opposite to angle θ has length	A. u+v B. u + v C. u-v D. u - v
13	Question Image	
14	The equation of motion of a stone thrown vertically up wards is $s = ut - 4.9t^2$ the maximum height attained by it =	
15	The distance of the point (-2 , -3) from y-axis is	A. 2 B2 C. 3 D3
16	The approximate percentage increase in the volume of a cube if the length of its each edge changes from 5 to 5.02 is	A. 1.2% B. 1.5% C. 0.16% D. 100.16%

17	Question Image	
18	(-28,12) divides the join of A(-6,3) and B(5,-2) in ratio	A. 1:2 B. 3:2 C. 2:3 D. 2:1
19	Question Image	A. Only one real solution B. Exactly three real solution C. Exactly one rational solution D. Non-real roots
20	Question Image	A. Trichotomy property B. Additive property of inequality C. Transitive property D. Multiplicative property