

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
		Allawera Official
1	Question Image	
2	The conic is a parabola if	A. e < 1 B. e > 1 C. e = 1 D. None of these
3	If a = 2i +2j, b= 3i -j and c=4i +5j, the 3b -a-2c =	Ai -15j B. i-15j C. i-3j D. None of these
4	Question Image	
5	If a, b, c are in A.P., then 3 <sup>a</sup> , 3 <sup>b</sup> , 3 <sup>c</sup> are in	A. A.P. B. G.P. C. H.P. D. None of these
6	The modulus of 12-5i is:	A. 7 B. 13 C. √7 D. 119
7	Question Image	
8	∀a,b, c ε R ac = bc ⇒ a = b, c ≠ 0 is a	A. Symmetric property B. Cancellation property w.r.t multiplication C. Reflexive property D. Transitive property
9	The degree of differential equation is the power of the	A. Lowest order derivative     B. Highest order derivative     C. Integral     D. All are correct
10	Question Image	A. 2 and 9 B. 3 and 2 C. 2/3 and 9 D. 3/2 and 6
11	Question Image	A. 0 B. 1 C. 2 D. 3
12	Question Image	
13	Second derivative of $y = x^9 + 10x^2 + 2x - 1$ at $x = 0$ is	A. 10 B. 20 C. 12 D. 1
14	If n is add the expansion $(a + x)^n$ has middle terms	A. 2 B. 3 C. 4 D. 5
15	Name the property used in 100 + 0 = 100	A. Additive inverse     B. Multiplicative inverse     C. Additive identity     D. Multiplicative identity
16	Question Image	
17	Question Image	A. 16 / 7 B. 6 / 17 C. 7 / 16 D. None of these
18	If $a_1 = a_2 = 2$ , $a_n = a_{n-1} - 1$ (n > 2), then $a_5$ is	A. 1 B. 0 C1

A. Rational fraction B. Proper fraction C. Improper rational fraction D. None of these  20 If A=B, then  A. Rational fraction B. Proper fraction C. Improper rational fraction D. None of these			D2
20 If A=B, then B. A⊆B and B⊈A C. A⊆B and B⊆A	19	Question Image	B. Proper fraction C. Improper rational fraction
2.116.16 5.116.35	20	If A=B, then	B. A⊆B and B⊈A