

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. images B. pre-images C. constants D. none of these
2	A circle which touches one side of a triangle externally and the other two sides produced is called _____	A. In-circle B. Circum circle C. Escribed circle D. None of these
3	The centroid of a triangle divides each median in the ratio	A. 2 : 1 B. 3 : 1 C. 3 : 2 D. 1 : 1
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. N B. r C. 2r D. <i>π</i>
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
6	If $z_1 = 2 + 6i$ and $z_2 = 3 + 7i$, then which expression defines the product of z_1 and z_2 ?	A. $36 + (-32)i$ B. $-36 + 32i$ C. $6 + (-11)i$ D. $0, +(-12)i$
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
9	The minimum value of the quadratic function $f(x) = x^2 + 6x - 2$, is	A. 11 B. 6 C. -11 D. 13
10	An open sentences formed by using the sign of equality '=' is called _____	A. An identity B. An equation C. A polynomial D. None of these
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. -1 B. 0 C. 1 D. undefined
12	The period of cosec 10x is _____	
13	The statement that a group can have more than one identity elements is	A. True B. False C. Ambiguous D. Some times true
14	Derivative of strictly increasing function is always	A. Zero B. Positive C. Negative D. Both (A) and (B)
15	Additive inverse of -a -b is	A. a B. -a + b C. a - b D. a + b
16	$(n + 2) (n + 1) n =$ _____	
17	In R, the additive identity is	A. 0 B. 1 C. -1 D. None

18	Question Image	D. none of these
19	Trivial solution of homogeneous linear equation is	A. (0, 0, 0) B. (1, 2, 3) C. (1, 3, 5) D. a, b and c
20	$f(x)g(x) - \int g(x) f'(x) dx$ is equal to	A. $\int f(x)g'(x)dx$ B. $\int f'(x)g(x)dx$ C. $\int f'(x)g'(x)dx$ D. $\int f(x)g(x)dx$