Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 6, -12, -18 B. -6, 4, 9 C. -6, -4, -9 D. -6, 12, 18
2	$(x+a)(x+b)(x+c)(x+) = k$, $k \neq 0$ is reducible to quadratic form only if	A. a+b=c+d B. a+c=b+d C. a+d=b+c D. All are correct
3	The roots of $(b-c)x2+(c-a) x+a-b=0$ are equal if	A. 2b = a+c B. 2a = b+c C. 2c = a+b D. a + b + c =0
4	The eccentricity of ellipse becomes zero, then it takes the form of:	A. a parabols B. a straight line C. a circle D. None of these
5	Question Image	
6	If distance between (3,b) and (0,0) is 3 then b = _____	A. 3 C. 9 D. 0
7	To each element of a group there corresponds _____ inverse element	A. Two B. One C. No D. Three
8	Question Image	
9	$x^2+ x - 6 = 0$ is	A. An equation B. An identity C. A polynomial D. None of these
10	Which of the following is a vector.	A. energy B. force C. work D. power
11	In R, the multiplicative inverse of a is	A. 0 B. 1 C. -a D. 1/a
12	$\cot\theta = \sin 2\theta$ if $\theta =$	
13	Question Image	A. xa$x-1$ B. ax C. x in a D. a$x$ln a
14	Question Image	
15	Question Image	B. a$x$ln a + c C. ax+ c D. x ax+ c
16	Rational number is a number which can be written as a terminating decimal fraction or a	A. Non-terminating decimal fraction B. Non-recurring C. Recurring decimal fraction D. a, b and c
17	The number of proper subset of A ={a.b.c.d} is	A. 3 B. 6 C. 8 D. 15
		A. $-\cos 76° = -0.7093$ B. $-$

18	By expressing cos 113° in terms of trigonometrical ratios, answer will be	D. $-\cos 65° = -0.4258$ C. $-\cos 67° = -0.3907$ D. $-\cos 62° = -0.8520$
19	(n + 2) (n + 1) n= _____	
20	If sin A = cos A, 0°<A<90° then A is equal to	A. 1 B. 1/2 C. 0 D. None of these