Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. $2x + 3$ B. $x^2 + 3 + c$
2	The equation of the tangent at vertex to the parabola is $y2 = -8(x -3)$	A. $y=0$ B. $x=3$ C. $x=1$ D. $x=5$
3	Question Image	A. $1/8$ B. $1/2$ C. $1/4$ D. $1/6$
4	For a set A, $A \cup A^c$= ---------------------	A. A B. $\varnothing$ C. A^c D. U
5	Two circles are said to be concentric if they have	A. same radius B. same chord C. same centre D. same diameter
6	Period of $\cos 2x$ is _____	
7	Question Image	A. 2, 3 B. 3, 3 C. 2, 6 D. 2, 4
8	Question Image	
9	The 5th term of $(3a-2b)^{-1}$ is	A. $77b^2/a^5$ B. $16b^2/243a^5$ C. $17b^4/43a^5$ D. $25b^3/43a^5$
10	Question Image	
11	The quadratic formula is	
12	No term of a geometric sequence can be	A. 0 B. 1 C. 2 D. 3
13	Question Image	A. 1 B. 2 C. 3
14	$\sqrt{x}$ = _____ if is a prime number	A. Rational no B. Natural no C. Irrational no D. Complex no
15	How many term are there in the A.P, in which $a_1 = 11$, $a_n =68$, $d=3$	A. 30 B. 27 C. 20 D. 21
16	The point R dividing externally the line joining the points $P(x_1, y_1)$ and $Q(x_2, y_2)$ in the ratio $k_1: k_2$ has the coordinates	
17	InΔABC if $y = 90°$ then the Pythagoras theorem is	A. $b2 + c2 =a2$ B. $a2 + b2 = c2$ C. $a2 +c2 = b2$ D. None of these
18	In $(x + iy)$, y is called as	A. Imaginary part B. Complex number C. Real part

19	A fraction in which the degree of the numerator is less the degree of the denominator is called	A. Polynomial B. Proper fraction C. Rational fraction D. None
20	For trival solution |A| is	A. A B. |A| is non zero C. A = 0 D. None of these