Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	(7,9) +(3,-5) =	A. (4,4) **B. (10,4)** C. (9,-5) D. (7,3)
2	By expressing sin 125° in terms of trigonometrical ratios, answer will be	A. sin 65° = 0.9128 **B. sin 55° = 0.8192** C. sin 70° = 0.5384 D. sin 72° = 0.1982
3	Question Image	
4	$x^2 + x - 6 = 0$ is a conditional equation and it is true for	A. 2, 3 **B. 2, -3** C. -2, -3 D. -2, 3
5	$a_n - a_{n-1}$ will be common difference in an A.P if	A. $n = 1 \forall n \in N$ **B. $n > 1 \wedge n \in N$** C. $n \in Z$ D. None of the above
6	Question Image	
7	The extraction of cube root of a given number is a	**A. Unary Operation** B. Binary Operation C. Relation D. None of these
8	Question Image	A. A finite non-empty set **B. Null set** C. Both a and b D. None of these
9	Question Image	
10	In a school, there are 150 students. Out of these 80 students enrolled for mathematics class, 50 enrolled for English class, and 60 enrolled for Physics class. The students enrolled for English cannot any other class, but the students of mathematics and Physics can take two courses at a time. Find the number of students who have taken both physics and mathematics	**A. 40** B. 30 C. 50 D. 20
11	When a selection of object is made without paying regard to the order of selection, it is called	A. Sequence B. Series **C. Combination** D. Permutation
12	The period of the trigonometric function y = sin x cos x is	A. 2π **B. π** C. 4π D. $\pi / 2$
13	30° = _____	
14	Question Image	
15	Sine is a periodic function and its period is _____	A. π B. s **C. 2π** D. <div style="text-align: start;">

16	Question Image	
17	For the equation $|x^2| + |x| -6 =0$, the roots are	A. One and only one real number B. Real with sum one C. Real with sum zero D. Real with product zero
18	Root of the equation $3^{x-1}+ 3^{1-x}=$ is	A. 2 B. 1 C. 0 D. -1
19	If $B\subseteq A$, then complement of B in A is = -----------------------	A. A-B B. A∩B C. B-A D. A∪B
20	The inclination of a line parallel to y-axis is	