

Mathematics FA Part 1 Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	Solution set of the equation $x^2 - 3x + 2 = 0$ is	A. $\{-1, 2\}$ B. $\{1, -2\}$ C. $\{-1, -2\}$ D. $\{1, 2\}$
3	Question Image	
4	Question Image	A. quadratic equation B. reciprocal equation C. exponential equation D. none of these
5	Question Image	A. $\{1, 2, 3\}$ B. $\{5, 6, 7\}$ C. $\{4\}$
6	In a simultaneous throw of two dice, The probability of getting a total of 7 is:	
7	If $2s = a + b + c$, then in any triangle ABC:	D. all of these
8	If $(x - 2, 2) = (3, 2)$, then:	A. $x = 5$ B. $x = 2$ C. $x = -5$ D. $x = 3$
9	$\tan(\pi + \tan^{-1}x) =$	A. x B. $\pi + x$ C. $\pi - x$ D. none of these
10	The domain of $y = \sin^{-1} x$ is:	
11	No. of signals made by 5 flags of different colors using 3 flags at a time is:	A. 60 B. 15 C. 10 D. None
12	$\tan(270^\circ + \theta)$ is equal:	A. $\cot \theta$ B. $\tan \theta$ C. $-\cot \theta$ D. $-\tan \theta$
13	The ordered pairs (2, 5) and (5, 2) are:	A. not equal B. equal C. disjoint D. empty
14	Modulus of $15i + 20$ is:	A. 20 B. 15 C. 25 D. none of the above
15	The series $2 + 2 + 2 \dots$ is:	A. divergent B. convergent C. oscillatory D. none of these
16	The objects in a set are called:	A. elements B. sub-sets C. whole numbers D. overlapping sets
17	If triangle ABC, If $\beta = 90^\circ$ then:	D. none of these
18	The period of $\cot x$ is:	
19	The sum of 10 A.Ms between 3 and 47 is:	A. 50 B. 250 C. 100 D. 500
		A. $(-a, b)$

- B. $(-a, -b)$
 - C. $(a, -b)$
 - D. none of these
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