

Mathematics Fsc Part 1 Online Test

Sr	Questions	Answers Choice
1	Question Image <input type="text"/>	A. A is superset of B B. B is superset of A C. A is subset of B D. A is equivalent to B
2	Question Image <input type="text"/>	
3	Question Image <input type="text"/>	A. 0 B. i C. -i D. 1
4	If $z = x + iy = r(\cos \Theta + i \sin \Theta)$, then arg z is:	A. $\tan \Theta$ B. $\cos^2 \Theta + \sin^2 \Theta$ C. r D. Θ
5	Factors of $x^2 + y^2$ are:	A. $(x + iy)(x - iy)$ B. $(x + y)(x - y)$ C. $(x + y)(x + y)$ D. none
6	Which of the following is correct:	A. $2 + 7i$ > $10 + i$ B. $1 + i$ > $1 - i$ C. $4 + 3i$ > $1 + 3i$ D. none of these
7	Question Image <input type="text"/>	A. i B. 0
8	Question Image <input type="text"/>	B. $x = 0, y = 0$
9	Question Image <input type="text"/>	A. z is purely real B. z is any complex number C. z is purely imaginary D. real part of z = imaginary part of z
10	Given $\tan \Theta = 1$	A. Θ lies in quadrants 1 and 4 B. $\cos \Theta = \sqrt{2}$
11	Question Image <input type="text"/>	
12	Question Image <input type="text"/>	
13	Question Image <input type="text"/>	
14	Question Image <input type="text"/>	
15	Question Image <input type="text"/>	
16	The general solution of $\sin x = \cos x$ is _____:	A. $n\pi$ B. $2n\pi$
17	Which trigonometric equation has secondary solution ?	A. $\sin \Theta = 1$ B. $\cos \Theta = 1$ C. $\sec \Theta = 0$ D. $\tan \Theta = 1$
18	Question Image <input type="text"/>	
19	Question Image <input type="text"/>	
20	Question Image <input type="text"/>	