

## ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The period of $\cos(7x-5)$ is	A. $\pi/7$ B. $7\pi/2$ C. $\pi/2$ D. $2\pi/7$
2	Question Image	
3	A relation A into B in which Domain is not equal to A, is called	A. into function B. onto function C. None of these D. surjective
4	If $\sin\alpha$ and $\cos\alpha$ are the roots of the equation $px^2 + qx + r = 0$ , then	A. $p^2 - q^2 + 2pr = 0$ B. $(p + r)^2 - r^2 = 0$ C. $p^2 - q^2 + q^2 + q^2 - 2pr = 0$ D. $(p - r)^2 - q^2 + r^2 = 0$
5	$G = \{e, a, b, c\}$ is an Abelian group with e as identity element The order of the other elements are	A. 2,2,2 B. 3,3,3 C. 2,2,4 D. 2,3,4
6	The area of the circle centred at (1, 2) and passing through (4, 6) is	
7	Question Image	
8	Apollonius was a	A. rocket B. Muslim scientist C. Greek mathematicians D. method of finding conics
9	Which of the following is a vector	A. length B. momentum C. volume D. speed
10	The sides of a right angled triangle are in A.P The ratio of sides is	A. 1:2:3 B. 3:4:5 C. 2:3:4 D. 5:8:3
11	A point of a solution regions where two of its boundary lines intersect, is called:	A. Vertex of the solution B. Feasible point C. Point of inequality D. Null point of the solution region

