ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. -1-w²
2	A bag contains 7 whit, 5 black and 4 rd balls. If two balls are drawn at random from the bag, the probability that they are not of the same color is	A. 73 / 120 B. 83 / 120 C. 67 / 120 D. 43 / 120
3	Question Image	
4	If f(x) = x^2then f(-2) is	A. -2 B. 2 C. 4 D. -4
5	Question Image	
6	Question Image	A. 3/8 B. 7/8 C. 1/8 D. None
7	Question Image	
8	IfΔABC is right, law of cosine reduce to	A. Law of sine B. Law of tangent C. Phthogorous theorem D. Hero's formula
9	If three non-collinear points through which a circle passes are known, then we can find the	A. variables x and y B. value of x and c C. three constant f, g and c D. inverse of the circle
10	Form a group of 5 men and 3 women, a committee of 4 persons is to be selected randomly. The probability that there is a majority of men is	A. 1/4 B. 1/3 C. 1/2 D. 1/6
11	If a $(p + q)^2$+ bpq +c = 0 and a $(p + r)^2$+ 2 bpr + c = 0, then qr equals	A. p²+ c/a B. p²+ a/c C. p²+ c/a D. p²- c/a
12	What is the conjugate of -7 -2i ?	A. -7 + 2i B. 7 +2i C. 7 -2i D. √53
13	Question Image	
14	The area of the circle centred at (1, 2) and passing through (4, 6) is	
15	Question Image	
16	u,v,wand u x (v.w) are	A. Equal B. Parallel C. Additive immense of each other D. Meaningless
17	The set {Z\ {0} } is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
18	Question Image	
19	Let A and B be two non-empty sets, then any subset of the cartesian product AxB is called a	A. function B. domain C. range D. binary relation
		A. rulings

20	The generators of a cone are also called	B. apex C. nappes D. ellipse