ECAT Mathematics Chapter 15 Inverse Trigonometric Functions

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	
4	Question Image	
5	If $\cos^{-1}p + \cos^{-1}q + \cos^{-1}r = \pi$ then $p^2 + q^2 + r^2 + 2pqr$ is equal to	A. 3 B. 1 C. 2 D. -1
6	Sin-1(-x)=	A. x B. -x C. -sin-1 x D. cos-1 x
7	Question Image	A. π/ 4 B. π/ 6 C. π/ 3 D. 2π/ 3
8	The range of the principal sine function is	
9	The domain of the principle cos function is	
10	Question Image	
11	The exact degree value of the function sin-1(-√3/2) is	A. 70^o B. 50^o C. 90^o D. 60^o
12	Question Image	
13	Question Image	
14	$\sin[\cot^{-1}\{\cos(\tan^{-1}x)\}]$=	
15	What is the value of cos (cos-1 2) ?	A. √2 B. 1/2 C. undefine D. 0
16	Question Image	
17	Sin -1 x=	A. sin(π/2-x) B. Sin-1 (π/2-x) C. π/2-cos-1x D. π/2 + cos-1x
18	Question Image	

19	Question Image	A. 16 / 7 B. 6 / 17 C. 7 / 16 D. None of these
20	$\cos^{-1}(\cos x) =$	A. x B. cos x C. x = 1/x D. cos⁻² x