

IIT-JEE PAPER – I, MATHEMATICS – 2011

47	A straight equation of L is	(B)
48	Let (x_0, y_0) Then x_0 is	(C)
49	The value of $\int_{\sqrt{\ln 2}}^{\sqrt{\ln 3}} \frac{x \sin x^2}{\sin x^2 + \sin(\ln 6 - x^2)} dx$ is	(A)
50	Let $\vec{a} = \hat{i} + \hat{j} + \hat{k}$, is given by	(C)
51	Let P = two sets. Then	(D)
52	Let the straight line Then b equals	(B)
53	Let α and β value of $\frac{\alpha_{10} - 2a_8}{2a_9}$ is	(C)
54	Let the eccentricity of the ellipse, then	(B, D)
55	Let $f : \mathbb{R} \rightarrow \mathbb{R}$ at $x = 0$, then	(B, C)
56	Let M and N is equal to	(C)
57	The vector(s) $\hat{i} + \hat{j} + \hat{k}$ is / are	(A, D)
	Paragraph for Question Nos. 58 to 60 : Let a, b and c $[a \ b \ c] \begin{bmatrix} 1 & 9 & 7 \\ 8 & 2 & 7 \\ 7 & 3 & 7 \end{bmatrix} = [0 \ 0 \ 0]$ {E}	
58	If the point value of $7a + b + c$ is	(D)
59	Let ω be a is equal to	(A)
60	Let $b = 6$, then $\sum_{n=0}^{\infty} \left(\frac{1}{\alpha} + \frac{1}{\beta}\right)^n$ is	(B)
	Paragraph for Question Nos. 61 and 62 : Let U_1 and U_2 at random from U_2 .	
61	The probability white is	(B)
62	Given that the coin is	(D)
63	Let $f(\theta) = \dots\dots\dots \frac{d}{d(\tan \theta)}(f(\theta))$ is	1
64	Consider Then $\frac{\Delta_1}{\Delta_2}$ is	2
65	The minimum with $a > 0$ is	8
66	Let $a_1, a_2, \dots\dots\dots$ then a_2 is	9
67	If z is any value of $ 2z - 6 + 5i $ is	5
68	The positive $\frac{1}{\sin\left(\frac{\pi}{n}\right)} = \frac{1}{\sin\left(\frac{2\pi}{n}\right)} + \frac{1}{\sin\left(\frac{3\pi}{n}\right)}$ is	7
69	Let $f : [1, \infty)$ the value of $f(2)$ is	6