

Attempt any 01 out of 03 questions.				(16)
1.	Find the area of triangle whose vertices are (4,4), (3,-16) and (3,-2).	BL 3	CLO 1	16
2.	Prove that $\int_0^{\frac{\pi}{2}} \frac{\sin x}{\sin x + \cos x} dx = \frac{\pi}{4}$	BL 4	CLO 3	16
3.	Show that $\begin{vmatrix} 1 & a & a^2 \\ 1 & b & b^2 \\ 1 & c & c^2 \end{vmatrix} = (a-b)(b-c)(c-a)$	BL 4	CLO 4	16
