

Business MathematicsFYBMS - SemII

1.	What is the simple interest incurred on Rs 5000 kept for 3 years at 6% p.a. ?	
	(a)	Rs 600
	(b)	Rs 900
	(c)	Rs 300
	(d)	Rs 500
2.	If $\begin{bmatrix} a & 3 \\ 5 & 1 \end{bmatrix} + \begin{bmatrix} -3 & b \\ -2 & 3 \end{bmatrix} = \begin{bmatrix} 2 & 7 \\ 3 & 4 \end{bmatrix}$ then $a = \underline{\hspace{2cm}}$ and $b = \underline{\hspace{2cm}}$	
	(a)	5,4
	(b)	4,5
	(c)	2,3
	(d)	None of the above
3.	The derivative of $y = x^2 + x + 1$ w.r.t. 'x' is _____	
	(a)	$2x$
	(b)	$2x + 2$
	(c)	$2x + 1$
	(d)	None of the above
4	The point where, there is no profit no loss, is called	
	(a)	Zero point
	(b)	Break odd point
	(c)	Breakeven point
	(d)	None of these
5	If the demand function is $P = 30 - 5 D$, then total revenue when D is 4 units	
	(a)	40
	(b)	50
	(c)	20
	(d)	70
6	Newton's Forward interpolation formula can be used _____	
	(a)	Only for equally spaced intervals
	(b)	Only for unequally spaced intervals
	(c)	For both equally and unequally spaced intervals
	(d)	None of the above