## Nirmala Memorial Foundation College of Commerce and Science

# ASSIGNMENT TOPICS FOR INTERNAL ASSESSMENT ATKT

### **EXAMINATION, JANUARY, 2025**

#### **FYBMS Semester I**

		I DIVIS	JCIII CS	ici i				
Foundations of Human Skills	Stress management techniques adopted by companies							
Business Communication	Colours as non-verbal communication							
Introduction to Financial Accounting	A study on International Financial Reporting Standards							
Foundation Course I	A study on social inequalities							
Business Law	Cheque, essent	Cheque, essentials and various kinds of crossing of cheque						
*	Q. 1) Find the	Q. 1) Find the median of the following distribution						
, , , ,	Marks obtained	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50		
•	No of Students	5	8	27	14	6		
	deviation for the Weekly wages (in Rs)	ne following 0 – 100	g distrib	oution. - 200	and coe  200 - 300 35	fficient of quartile $300 - 400$ $42$		
Business Statistics	workers Weekly wages (in Rs)	400 – 500	500 – 600		600 –. 700	700 – 800		
	No of workers	50	45		20	8		
	<ul> <li>Q. 3) Two friends A and B fire at a target. The odds in favour of A hitting the target are 2/3 and the odds against B hitting the target are 3/5. Find the probability that <ol> <li>the target is hit,</li> <li>both hit the target,</li> <li>both miss the target.</li> </ol> </li> <li>Q. 4. Explain The concept of data and its types.</li> <li>Q. 5) Following is the pay off matrix corresponding to four states of nature S1, S2, S3, S4 and four courses of action A1, A2, A3, A4.</li> </ul>							

	State of	State of Course action						
	nature	A1	A2	A3	A4	state		
	S1	50	400	-50	0	0.15		
	S2	300	0	200	300	0.45		
	S3	-150	100	0	300	0.25		
	S4	50	0	100	0	0.15		
	Calculate expe	cted pay of	f and find	best cours	e of action	n using EMV.		
	Calculate expected pay off and find best course of action using EMV.  Calculate EOL for each course of action and find best course using the course of action and find best course using the course using the course of action and find best course using the course of action and find best course using the course of action and find best course using the course of action and find best course of action using EMV.							
	EOL.					J		
	Q. 6) Wirte a short note on skeness and kurtosis.							
						's coefficient of		
	correlation.							
	Q. 8) Write a s	short note o	on expecte	ed value of	perfect in	formation.		
	() 9) State the	elements	common t	o decision	theory pro	blems.		
	<ul><li>Q. 9) State the elements common to decision theory problems.</li><li>Q. 10)State the merits and demerits of mean.</li></ul>							
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### **FYBMS Semester II**

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Principles of Management	A study on 14 principles of management with a relevant case study
Business Communication II	Write a project on making of power point presentation
Principles of Marketing	A study on elements of marketing mix
Foundation Course II	A study on soil pollution
Industrial Law	A study on trade union act, 1926

	1.	A person ha	c taken = !-	-6 D	2 000 -			
	charges a high interest at 10% per month. The person returns the loan in equal installments in 4 months. Find the EMI he has to pay and also prepare the amortization table of repayment							
	2.	In how many distinct ways can the letters of the word "CHEMISTRY" be arranged such that (i) there is no restriction (ii) the word begins with a vowel (iii) the letters T, R and Y are never together.						
	3.	Obtain the technology matrix $A$ for the following two industry input-output model. Assuming $A$ to be constant, find the level of output when the final demand of both products is doubled.						
			Consumptio	n by indus	stry Fir	nal	Total	
		Industry	X	Y	de	mand	output	
		X	40	50	11	0	200	
		Y	100	80	12	0	300	
		Labour	60	170				
	1	What is the	labour input r	equiremer	nt of this	output	?	
	4.	Solve the fol	llowing systen	n of equat	ions usi	ng Cram	er's rule.	
		2x + 3y + z = 9, $x + 2y + z = 6$ , $3x + y + 2z = 8$						
Business		, .						
Mathematics								
•	5.	Find the in method.	nverse of A	= [12 -	14 – 1	8635]	using	adjoint
	6.	Examine the maxima and minima for function $f(x) = 2x^3 - 9x^2 + 12x + 5$ .						
	7.	(i) $y = x^3 log x - xe^x$ (ii) $y = (2x^3 - 3x^2 + 5x - 10)(5e^x - 2log x)$						
	8.							
	9.	Using Newton's forward interpolation formula, find $f(70)$ .						
			.9 39	59	7	1	99	7
			1 103	168	2	18	235	7
	10.	7(-7)						
		backward interpolation formula.						
		Year	corporation to	1951	1961	1971	1981	1991
			(in thousands		66	81	93	104
	1	Option	VIII ELIGIBATION	<u>/_ '-                                   </u>				
Business	A at-	idu on avtarnal	environment					

Business Environment

A study on external environment