NIRMALA MEMORIAL FOUNDATION COLLEGE OF COMMERCE AND SCIENCE

NMFC / DEP \\2 / August, 2024   20th August, 2024

NOTICE

First Year / Second Year BMS and B.Com (A&F) Semester I, II , III and IV
Internal Assessment ATKT / Ex- Students Examination September, 2024

Students of BMS and B,Com (A & F) who have remained absent / failed in the Internal Assessment at Semester I, II, III and /or IV and filled the ATKT examination form should submit the Project Report in the respective subject on **Thursday, 5th September, 2024 at 10.30 am in block no. 510**
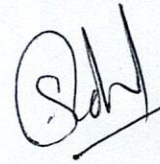
Note : The project should be typed or handwritten and have minimum of 10 and maximum of 12 pages.

In case of default, the candidate will be declared as "Fail" as there is **separate head of passing at the Theory Exam and Internal Assessment**. No Project Report will be accepted after the last date mentioned above.

The list of topics is put up separately on the website.

(Vice – Principal)   (I/C Principal)

Nirmala Memorial Foundation College of Commerce and Science

ASSIGNMENT TOPICS FOR INTERNAL ASSESSMENT ATKT EXAMINATION, SEPTEMBER, 2024

FYBMS Semester 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, essentials and various kinds of crossing of cheque
Business Statistics	Q. 1) Find the median of the following distribution

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Marks obtained	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50
No of Students	5	8	27	14	6

Q. 2) Compute the Quartile deviation and coefficient of quartile deviation for the following distribution.

Weekly wages (in Rs)	0 – 100	100 – 200	200 – 300	300 – 400
No of workers	12	18	35	42

Weekly wages (in Rs)	400 – 500	500 – 600	600 – 700	700 – 800
No of	50	45	20	8

	workers				

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

   i.   the target is hit,
  ii.   both hit the target,
 iii.   both miss the target.

Q. 4. Explain The concept of data and its types.

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.

State of nature	Course action				Probability of state
	A1	A2	A3	A4	
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 expected pay off and find best course of action using EMV.

Calculate EOL for each course of action and find best course using EOL.

Q. 6) Wirte a short note on skeness and kurtosis.

Q. 7) Discuss the merits and demerits of Karl pearson's coefficient of correlation.

Q. 8) Write a short note on expected value of perfect information.

Q. 9) State the elements common to decision theory problems.

Q. 10)State the merits and demerits of mean.

Business Economics I	A study on monopolistic and oligopolistic markets

FYBMS Semester II

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
Business Mathematics	1. A person has taken a loan of Rs. 40,000 from a money lender who 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.

For the Business Mathematics row, the cell continues with the following questions:

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.

Industry	Consumption by industry X	Consumption by industry Y	Final demand	Total output
X	40	50	110	200
Y	100	80	120	300
Labour	60	170		

What is the labour input requirement of this output?

4. Solve the following system of equations using Cramer's rule.

$2x + 3y + z = 9, \quad x + 2y + z = 6, \quad 3x + y + 2z = 8$

5.	Find the inverse of $A = [1\ 2\ -1\ 4\ -1\ 8\ 6\ 3\ 5]$ using adjoint method.
6.	Examine the maxima and minima for function $f(x) = 2x^3 - 9x^2 + 12x + 5$.
7.	Differentiate the following with respect to x. (i) $y = x^3 logx - xe^x$ (ii) $y = (2x^3 - 3x^2 + 5x - 10)(5e^x - 2logx)$
8.	If the total cost of producing a product is given by $C(x) = 2x^3 - 5x^2 + 15x + 100$, find (i) average cost (ii) marginal cost (iii) actual cost of producing 11th unit of product.

9. Using Newton's forward interpolation formula, find $f(70)$.

x	19	39	59	79	99
$f(x)$	41	103	168	218	235

10. The population of a town in the decennial census is given below. Estimate the population for the year 1976, using Newton's backward interpolation formula.

Year	1951	1961	1971	1981	1991
Population (in thousands)	46	66	81	93	104

Business Environment	A study on external environment

Nirmala Memorial Foundation College of Commerce and Science
ASSIGNMENT TOPICS FOR INTERNAL ASSESSMENT ATKT EXAMINATION, SEPTEMBER, 2024

SYBMS SEM III

Courses	Topic
Information Technology in Business management I	A study on Management Information System
Business Planning and Entrepreneurial Management	A study on problems faced by Women Entrepreneurs
Foundation Course III	A study on Global Warming
Accounting of Managerial Decisions	A study on ratios with any company as an example
Advertising	Discuss different elements of a layout
Basics of Financial Services	A study on mutual funds
Introduction to Cost Accounting	A study on Classification of Cost and Cost Sheet with two solved sums
Consumer Behaviour	A study on factors influencing consumer buying decisions
Strategic Management	A study on BCG Matrix and GE 9 Cell
OB & HRM	A study forms of employee separation
Motivation and Leadership	A study on monetary and non monetary motivational tools adopted by Indian companies

SYBMS SEM IV

Courses	Topic
Foundation Course IV	Discuss any three cases which depicts unethical practices in the corporate world
Business Economics II	A study on Fiscal Policy
Business Research Methods	Report Writing
Information Technology in Business management II	A study on concept of E-CRM
Production and Total Quality Management	Concepts and Importance of Total Quality Management
Auditing	Verification of Assets and Liabilities
Financial Institutions and Markets	A study on Financial Markets
Integrated Marketing Communication and advertising	A study on Direct Marketing
Rural Marketing	A study on Rural Consumer Behaviour
Change Management	A study on technology adoption in banking sector in India
Training and Development in HRM	A study on training methods (On – the – job and off- the - job)