PRABODHAN EDUCATION SOCIETY'S

VIDYA PRABODHINI COLLEGE

OF COMMERCE, EDUCATION, COMPUTER & MANAGEMENT

PARVARI-GOA

TIME TABLE

F.Y.B.COM SEMESTER END EXAMINATION, APRIL 2024
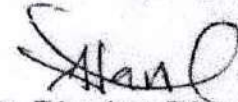
(SEMESTER II)

As per CHOICE BASED CREDIT SYSTEM

DAY	DATE	TIMING	SUBJECT
Monday	15th April 2024	2:30 PM TO 4:30 PM	Introduction to Marketing
Thursday	18th April 2024	2:30 PM TO 4:30 PM	Financial Statement Analysis & Interpretation
Saturday	20th April 2024	2:30 PM TO 4:30 PM	Managerial Economics
Tuesday	23rd April 2024	2:30 PM TO 4:30 PM	Commercial Arithmetic II
Thursday	25th April 2024	2:30 PM TO 4:00 PM	Environmental Studies II
Saturday	27th April 2024	2:30 PM TO 4:30 PM	Specialised A/c II /Banking II /Tourism / Production Management II/ Computer Application II
The Business Communication SEE Time Table will be displayed separately.			

(Dr. Arun Marathe)

Chairperson, Examination

Date: 9th March 2024

(Dr. Bhushan Bhave)

Principal

FYBCOM SEMESTER END ASSESSMENT (Repeat)
APRIL 2024

Course Title: INTRODUCTION TO MARKETING

Course Code: UCOC103   **Category: CC**

Semester: II   **Duration: 2 Hours**   **Max Marks: 80**

Instructions:

- All questions are compulsory having internal choice.
- Figures to the right indicate full marks.
- Every main question should begin on fresh page.
- Answer sub-questions in Q. No. I and Q. II in not more than 100 word each.
- Answer sub-questions in Q. No. III to Q. VI in not more than 400 words each.

Q. I Write short note on any <u>four</u> of the following: **[4 x 4 = 16mks]**

a) Features of speciality goods.
b) Economic factors influencing consumer behaviour
c) Marketing mix decisions
d) Catalogue marketing
e) Advantages of direct exporting
f) Characteristics of on-line marketing.

Q. II Write short note on any <u>four</u> of the following: **[4 x 4 = 16mks]**

a) Market concept of Place and demand
b) Concept of marketing environment
c) Straight salary and special compensation method
d) Social aspects of marketing
e) Marketing of goods and services
f) Importance of consumer research

Q III. Answer any <u>ONE</u> of the following: **[1 x12 = 12mks]**
A. Explain various types of Goods.
B. State and explain in brief various concepts of Marketing.

Q IV. Answer any <u>ONE</u> of the following: **[1 x12 = 12mks]**
P. List and explain internal and external forces of marketing environment.
Q. Discuss any two bases of market segmentation.

Q V. Answer any ONE of the following: [1 x12 = 12mks]

X. Explain various steps involved in order processing.

Y. State and explain any six methods of training of employees in an organisation.

Q VI. Answer any ONE of the following: [1 x12 = 12mks]

M. Explain in brief need for consumer protection.

N. Explain Social responsibility of marketing towards consumer and society.

******BEST OF LUCK*********

FYBCOM Semester End Assessment (Repeat)
April 2024 (As per CBCS)

Course Title: Financial Statement Analysis and Interpretation

Course Code: UCOC104 **Category: Core Course** **Semester: II**

Duration: 2 Hours **Max Marks:** 80

Instructions:

- **Question No. 1** is compulsory.
- Attempt **ANY 3** questions from Question no. 2 to Question no. 6.
- Each question carries **20 marks.**
- Prepare working note wherever necessary.

Q1. Following information is extracted from the books of AJ Ltd. for the year ended 31st March 2024, you are required to prepare statement of profit and loss account for the year ended 31st March 2024: **(20 Marks)**

Particulars	Debit ₹	Credit ₹
Machinery	4,50,000	
Furniture and Fixture	2,80,000	
Building	6,80,000	
Printing and stationery	4,400	
Wages and salaries	55,000	
Interest on debentures	4,800	
Opening stock of raw material	1,95,000	
Sales		7,50,000
Raw materials purchased	3,48,000	
Office rent	11,600	
12% Debentures		60,000
Interest on bank loan	4,500	
Rent received		12,000
Sundry expenses	3,200	
Contribution to PF	5,000	
Advertisement	4,100	

Additional information:

1. Depreciate Machinery by 15%, building by 10% and furniture by 15%.
2. Provide for income tax at 30% of net profit.
3. The value of closing stock of materials was ₹ 1,20,000.

Q2. Following is the summarised Balance sheet of TATA Motors Ltd. as on 31st March 2023 & 31st March 2024.

(20 Marks)

Balance sheet as on 31st March 2023 & 2024

Liabilities	2023 (₹)	2024 (₹)	Assets	2023 (₹)	2024 (₹)
Equity Share capital	6,50,000	7,40,000	Building	6,25,000	7,15,000
Preference share capital	2,60,000	2,20,000	Furniture and fixtures	2,50,000	2,90,000
General reserve	72,000	68,000	Debtors	70,000	64,000
Profit and loss A/c	2,10,000	1,90,000	Stock	1,10,000	1,20,000
14% Debentures	95,000	80,000	Copyrights	85,000	88,000
Long term loans	80,000	1,30,000	Cash at bank	80,000	90,000
Creditors	35,000	47,000	Bills receivable	2,07,000	1,36,000
Provision for taxation	25,000	28,000			
	14,27,000	15,03,000		14,27,000	15,03,000

Prepare Comparative Balance Sheet from the above information in vertical form.

Q3. The following Trading A/c and Profit and Loss A/c has been extracted from the books of AJIO Ltd.

(20 Marks)

Particulars	₹	Particulars	₹
To opening stock	1,60,000	By Sales	10,00,000
To wages	1,40,000	By closing stock	2,00,000
To purchases	3,00,000		
To Gross profit c/d	6,00,000		
	12,00,000		12,00,000
To sundry expenses	12,000	By Gross profit c/d	6,00,000
To printing and stationery	6,000	By rent	5,000
To salaries	50,000	By commission	15,000
To advertising expenses	10,000		
To rent	30,000		
To carriage outward	24,000		
To net profit c/d	4,88,000		
	6,20,000		6,20,000

Calculate the following ratios:
1. Gross profit ratio
2. Net profit ratio
3. Operating ratio
4. Stock turnover ratio

Q4. Following is the summarised Balance Sheet of Prime Ltd. as on 31st March 2024.

(20 Marks)

Liabilities	₹	Assets	₹
Equity Share capital (₹20 each)	10,00,000	Fixed assets (at cost)	24,80,000
14% Preference share capital	6,00,000	Stock	10,00,000
General Reserve	10,00,000	Short term investment	2,00,000
Long term loans	8,00,000	Cash and bank balance	3,00,000
Trade payables	6,00,000	Trade receivables	19,00,000
Creditors	4,00,000	Preliminary expenses	1,20,000
Provision for income tax	4,00,000		
Debentures	12,00,000		
	60,00,000		60,00,000

Additional information:

Trade payables for 2022-23 are 7,00,000 and trade receivables for 2022-23 are 9,00,000

Calculate the following ratios:

1. Current ratio
2. Proprietary ratio
3. Liquid ratio
4. Capital gearing ratio

Q5. Following is the Trading and Profit and Loss A/c for the year ended 31st March 2024.

Particulars	₹	Particulars	₹
To opening stock of materials	5,40,000	By sales	18,30,000
To raw materials purchased	6,70,000	By closing stock	4,05,000
To wages	95,000		
To gross profit c/d	9,30,000		
	22,35,000		22,35,000
To salaries	2,15,000	By gross profit b/d	9,30,000
To office expenses	35,000	By commission	12,500
To interest on loan	26,000	By Rent	7,200
To distribution expenses	46,000		
To depreciation on building	41,000		
To provision for tax	25,000		
To Net profit c/d	5,61,700		
	9,49,700		9,49,700

You are required to prepare common size income statement.   **(20 Marks)**

Q6. From the following financial statement you are required to prepare cash flow statement of Ashray Ltd. for the year ended 31st March 2024 **(20 Marks)**

Balance Sheet as 31st March 2023 & 2024

Liabilities	2023 (₹)	2024 (₹)	Assets	2023 (₹)	2024 (₹)
Share capital	1,40,000	1,40,000	Machinery	1,00,000	1,82,000
Secured loan	---	80,000	Inventory	30,000	80,000
Profit and loss A/c	14,000	20,000	Debtors	10,000	40,000
Creditors	28,000	78,000	Cash	40,000	18,000
Tax payable	2,000	6,000	Preliminary exp.	4,000	4,000
	1,84,000	3,24,000		1,84,000	3,24,000

Revenue statement for the year ended 31st March 2024

Particulars	₹	Particulars	₹
To opening stock	30,000	By sales	2,00,000
To purchases	1,96,000	By closing stock	80,000
To Gross Profit c/d	54,000		
	2,80,000		2,80,000
To general expenses	22,000	By Gross Profit b/d	54,000
To depreciation	16,000		
To provision for tax	8,000		
To Net Profit c/d	8,000		
	54,000		54,000
To Dividend paid	2,000	By balance b/d	14,000
To Balance c/d	20,000	By Net profit b/d	8,000
	22,000		22,000

Q.4 A) Define profit forecasting and elaborate on its approaches. **(1 x 12 = 12)**

OR

Q.4 X) (i) Explain Break Even Chart with the help of a diagram. **(1 x 6 = 6)**

(ii) EFG company manufactures water bottles at a variable cost of Rs. 12 per unit and the same is sold at Rs. 20 per unit. Fixed cost incurred by a company for a period stands at Rs. 40,000. Calculate Break Even Quantity and Break Even Sales.

(1 x 6 = 6)

Q.5 A) What is Social Cost Benefit Analysis? Explain the steps involved in Social Cost Benefit Analysis. **(1 x 12 = 12)**

OR

Q.5 X) Rank the following investment proposals as per their profitability showing all the steps involved in the calculation according to:

(i) Payback period method

(ii) Accounting rate of return method

Project Proposal	Initial Investment	Annual Cash Flow	Life in Years
S	7,00,000	4,00,000	25
T	4,00,000	2,00,000	20
U	10,00,000	8,00,000	30

(1 x 12 = 12)

Q.6 A) Explain the methods used for the selection of project in business. **(1 x 12 = 12)**

OR

Q.6 X) Enumerate in detail the structure of Game Theory. **(1 x 12 = 12)**

_____X_____

FYBCOM SEMESTER END ASSESSMENT (REPEAT)
APRIL 2024

Course Title: MANAGERIAL ECONOMICS

Course Code: UCEC102   **Category: CC 7**

Semester: II   **Duration: 02 Hours**   **Max Marks: 80**

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- All questions are compulsory having internal choice.
- Figures to the right indicate maximum marks allotted.
- The use of a simple calculator is allowed.
- Answer Q.1 & Q.2 in not more than 100 words each.
- Answer Q.3 to Q.6 in not more than 400 words each.

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Q.1) Answer ANY FOUR of the following.   **(4 x 4 = 16)**
  a) Explain the four concepts of profit.
  b) What is penetration pricing?
  c) Define product bundling.
  d) Briefly explain the role of profit.
  e) Explain the profit limiting factors.
  f) A firm produces 5000 units of cello pens at the total fixed cost of Rs. 20,000 and total variable cost of Rs. 30,000. The firm wants to make a net profit margin of 15% on total cost. Calculate price using cost plus pricing method.

Q.2) Answer ANY FOUR of the following.   **(4 x 4 = 16)**
   i. Explain the significance of Capital Budgeting.
  ii. Define Cost of Equity.
 iii. Explain the factors influencing the investment decision.
  iv. What are the steps involved in the analysis of risky decision.
   v. Explain the sources of business risk.
  vi. Define risk premium.

Q.3 A) Explain product life cycle based pricing with the help of a diagram.
                                                          (1 x 12 = 12)
                              OR
Q.3 X) Elaborate on the Competition based pricing methods.   **(1 x 12 = 12)**

(P.T.O.)

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FYBCOM Semester End Assessment (Repeat)
April 2024
Course Title: COMMERCIAL ARITHMETIC – II (as per CBCS)

Course Code: UCAC102   **Category: Core Course**   **Semester: II**

Duration: 2 hrs   **Max Marks: 80**

Instructions:

1. The question paper contains 4 questions spread across 2 pages.
2. All questions are compulsory however internal choice is available.
3. You may answer randomly but every main question attempted should be answered serially.
4. Figures to the right in brackets indicate maximum marks.
5. Use of calculator is strictly forbidden.

Q1. Attempt the following.   (4 x 5 =20)
a. Show that (6, 0), (-3, 0) and (6, 7) are the vertices of a right angled triangle.
b. $f(x) = 3x^2 - x + 2$; $0 \leq x \leq 3$.   Find f(1), f(2), f(3) and f(4) if they exist.
c. Divide segment AB in two equal parts where A= (6, -7) and B= (2, 7).
d. Two numbers are in the ratio 2:3. If 5 is subtracted from both the numbers, the ratio becomes 3:5. Find the numbers.

OR

QI. Attempt the following.   (4 x 5 =20)
p. Find the co-ordinates of point P which divides the line segment AB in the ratio 2:3, where A = (-4, 3), B = (4, -3).
q. If $f(x) = \frac{x-2}{x+2}$.   Find f(-3), f(1) and f(-1).
r. Show that the lines 5x - y +7 = 0 and 5y + x + 11 = 0 are perpendicular to each other.
s. In a college having 405 students, the ratio between the number of boys and girls is 7 : 2. Find the number of boys and girls.

Q2. Attempt the following.   (4 x 5 =20)
a. The mid-point of the line segment joining the points (3m, 6) and (-4, 3p) is (1, 2m – 1). Find the values of m and p.
b. Evaluate $\lim_{x \to 1} \left(\frac{3x^2 - 5x + 2}{x^2 - 1} \right)$.
c. 20% of a number added to 48, gives the same number. Find the number.
d. A father is four times as old as his son today. After 20 years, he would be as twice as old as his son. How old is the father.

OR

QII. Attempt the following.   (4 x 5 =20)
p. Show that the points (3, -3), (5, 8), (4, 7) and (2, -4) are the vertices of a parallelogram.
q. Evaluate $\lim_{x \to 2} \left(\frac{x^2 - 2x}{x^3 - 5x^2 + 7x - 2} \right)$.
r. The monthly incomes of x & y are in the ratio 4:5, their expenses are in ratio 7:9 and their savings are in ratio 4:3. If their total savings is ₹ 350, find their individual monthly income.

s. If 10 people, working 8 hours a day, can complete a task in 24 days, how many people working 10 hours a day would be required to complete the same tasks in 16 days?

Q3. Attempt the following. (4 x 5 =20)

a. Find the equation of a line passing through the point (5, 3) and perpendicular to the line $2x + 4y - 1 = 0$.

b. Check the continuity of the function at $x = 3$ where $f(x) = \begin{cases} x^2 + 1 & x < 3 \\ 10 & x = 3 \\ 2x + 4 & x > 3 \end{cases}$

c. Find $\frac{dy}{dx}$ for (i) $y = (x^2 + 1)(x - 3)$ (ii) $y = 5x^2 \log(x)$

d. Find the following: (i) 15% of 1km and 500 m
(ii) the number whose 12% is 9.

OR

QIII. Attempt the following. (4 x 5 =20)

p. Find the equation of a line which has y-intercept as 4 and is parallel to $4x + 3y + 7 = 0$.

q. Examine the continuity of function f(x) at $x = 4$, where $f(x) = \begin{cases} \frac{x^2-16}{x^2+x-20} & x \neq 4 \\ \frac{8}{9} & x = 4 \end{cases}$

r. Differentiate with respect to x: (i) $y = 5x^6 + \sqrt[3]{x} - 7e^x + 12$ (ii) $y = x^{-4} + 5x^4 - 7^x$

s. The listed price of an article is Rs. 5400. If discount of 20% is allowed to the buyer, how much will the buyer pay?

Q4. Attempt the following. (4 x 5 =20)

a. A chemist has a compound to be made using three basic elements A, B and C, so that it has at least 10 litres of A, 15 litres of B and 16 litres of C. he makes this compound by missing two compounds, M_1 and M_2. Each unit of compound M_1 has 2 litres of A, 3 litres of B and 4 litres of C, whereas each unit of compound M_2 has 1 litre of A, 2 litres of B and no C. the unit cost of the compounds M_1 and M_2 are ₹ 350 and ₹ 600 respectively. Formulate a LPP to minimize the cost.

b. Find second order derivative of the function $f(x) = 5x^{-3} + 2e^x + 7\log(x) - 9$.

c. The total cost for daily production is $C = 40 + 10x - x^2$. Find the average cost and marginal cost at $x = 3$.

d. Sameer purchased a car for Rs, 4,50000 and sold it for Rs. 3,00000. Find the loss percent.

OR

QIV. Attempt the following. (4 x 5 =20)

p. Maximize $z = x + 4y$, subject to the constraints
$x + 2y \leq 8$
$3x + 2y \leq 12$; where x, y ≥ 0

q. If $y = \frac{3x^{-6} + x^4 - 7}{x^2}$, find $\frac{d^2y}{dx^2}$.

r. If the demand function is given by $D = 3 + 4p - p^2$, where p is price, then find demand when price is 4 and marginal demand when price is 1.

s. If a fridge of Rs. 50,000 is been sold for Rs. 55,000, find the profit percentage.

****************************All The Best*****************************

FYBCOM SEMESTER END ASSESSMENT (NEP) (REGULAR)
APRIL 2024

Course Title: ENVIRONMENTAL STUDIES II

Course Code: VAC-101 **Category: VAC**

Semester: II **Duration: 1 Hr.** **Total Marks = 40**

Instructions:

1) *All questions are compulsory having internal choice.*
2) *Figures to the right indicate full marks.*

Q.1.	**Answer the following:**	**(4 x 2 = 8 Marks)**
a)	Define the terms: i) Climate change ii) Point-source pollution	
b)	State any 4 sources of soil pollution.	
c)	Give any 4 examples of natural disasters.	
d)	List any 2 salient features of National Family Welfare Program.	
Q.2.	**Answer the following questions:**	
A)	List any 3 salient features of Wild Life (Protection) Act of 1972.	**(3 Marks)**
	OR	
B)	State any 3 objectives of watershed management.	
C)	State any 3 control and preventive measures of HIV/AIDS.	**(3 Marks)**
D)	Name any 2 organizations working towards child welfare.	**(2 Marks)**
Q.3.	**Answer the following questions:**	
I)	Describe Photochemical smog.	**(3 Marks)**
	OR	
II)	Describe Eutrophication.	
III)	Distinguish between Ionizing and Non-ionizing radiation.	**(3 Marks)**
IV)	Sate any 4 sources of thermal pollution.	**(2 Marks)**
Q.4.	**Answer the following questions:**	
i)	Explain any 3 impacts of human population growth on the Environment.	**(3 Marks)**
	OR	
ii)	Explain the parameters affecting population size.	
iii)	Describe any 3 negative impacts of global warming.	**(3 Marks)**
iv)	Discuss the objectives of women welfare programs.	**(2 Marks)**
Q.5.	**Answer the following questions:**	
1)	Discuss the case study of Itai-Itai disease.	**(3 Marks)**
	OR	
2)	Discuss a case study of any one nuclear disaster.	
3)	Describe the role of Information Technology in environment and human health.	**(3 Marks)**
4)	Write any 2 measures to control acid rain.	**(2 Marks)**

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX **THE END** XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FYBCOM SEMESTER END ASSESSMENT
Generic Elective as per CBCS
APRIL 2024 (Repeat)

Course Title: Computer Application II

Semester: II   **Duration: 2 Hours**   **Max Marks: 60**

INSTRUCTIONS:
Figures to the right indicate total marks to the questions.

Q.No. 1) Write Short Notes on the following (Any 5)   **(2x5=10)**
1. What do you mean by B2C Commerce? Give any two examples.
2. How does Cyber Crime take place?
3. Define Virus and how it affects your computer system?
4. Why Computer Networking is needed in modern technological World?
5. What do you mean by Client and Server Network?
6. Compare E-Commerce and Traditional Commerce?

Q.No. 2) Write Short Notes on the following (Any 5)   **(2x5=10)**
1. Wired and Wireless Networking.
2. Debit Card
3. Cyber Terrorism
4. E-Retailing
5. Peer-to-Peer Network
6. Application of IT

Q.No. 3) Answer the following   **(5x2=10)**
A) Write Advantages and Disadvantages of Bus Topology.
B) What will be the ways in which Internet Abuse risk can be minimized?

Q.No. 4) Answer the following   **(5x2=10)**
A) What are the essential requirements for safe e-payments/transactions?
B) Describe Cyber warfare attack.

Q.No. 5) Answer the following   **(5x2=10)**
A) Describe the terms LAN, MAN and WAN.
B) How Modem and Router helps in Networking?

Q.No. 6) Answer the following   **(5x2=10)**
A) Explain different types of Payment System while paying online.
B) State any four types of crime involved in cybercrime activity.