

**ISLAMIAH COLLEGE [AUTONOMOUS]  
VANIYAMBADI  
CIA TEST II – MARCH 2020**

TIME: 3 Hrs.

MAX. MARKS: 75

**Class: I M.Com. Semester: II Sub. Code: P8CO2003  
ADVANCED BUSINESS STATISTICS - II**

**PART – A (5 X 6 = 30 MARKS)**

**Answer ALL Questions**

1. (a) Define Probability. Discuss its significance in business.  
(Or)

(b) A bag contains 30 balls numbered from 1 to 30. One ball is drawn at random. Find the probability that the number of the ball drawn will be a multiple of (a) 5 or 7; (b) 3 or 7

2. (a) Define  $\chi^2$ . What are the conditions for applying  $\chi^2$  test?  
(Or)

(b) In an anti malarial campaign in a certain area.

Treatment	Fever	No Fever	Total
Quinine	20	792	812
No Quinine	220	2216	2436
Total	240	3008	3248

Table value of Chi Square is 3.84. Calculate chi square test.

3. (a) Two samples are drawn from two normal populations. From the following data test whether the two samples have the same variance at 5 % level. Table value of  $F_{0.05}$  for  $v_1 = 9$ ,  $v_2 = 7$  is 3.6767

Sample 1	60	65	71	74	76	82	85	87	-	-
Sample 2	61	66	67	85	78	63	85	86	88	91

(Or)

(b) In a sample of 8 observations, the sum of squared deviations of items from the mean was 84.4. In another of 10 observations, the value was found to be 102.6. Test whether the difference is significant at 5% level.

you are given that at 5% level, critical value of F for  $V_1=7$  and  $V_2=9$  degrees of freedom is 3.29 and  $V_1=8$  and  $V_2=10$  degrees of freedom its value is 3.07.

4. (a) Electronic bulbs manufactured by X and Y Companies gave the following results:

	Company X	Company Y
No. of bulbs used	100	100
Mean life in hours	1300	1248
S.D. in hours	82	93

Using the standard error of the difference between means state whether there is any significant difference in the mean life of the two makes.

(Or)

(b) While throwing a 5 dice and 30 times, a person obtained success 23 times (securing a six was considered a success). can we consider the difference between observed and the expected results as being significantly different? (Table value at 5% level of significance: 1.96)

5. (a) An automobile dealer wishes to put four repairmen to four different jobs. The repairmen have somewhat different kinds of skill and they exhibit different levels of efficiency from one job to another. The dealer has estimated the number of man hours that would be required for each job man combination. This is given in the matrix form as follows:

	A	B	C	D
1	5	3	2	8
2	7	9	2	6
3	6	4	5	7
4	5	7	7	8

Find the optimal assignment that will result in minimum man hour needed.

(Or)

(b) Obtain an IBFS using Vogel's Approximation method.

	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	D <sub>4</sub>	Supply
O <sub>1</sub>	2	3	11	7	6
O <sub>2</sub>	1	0	6	1	1
O <sub>3</sub>	5	8	15	9	10
Demand	7	5	3	2	17

**PART – B (3 X 15 = 45 MARKS)****Answer any THREE Questions**

6. One bag contains 4 white and 2 black balls. Another contains 3 white and 5 black balls, if one ball is drawn from each bag, find the probability that (a) both are white, (b) are black, and (c) one is white and one is black.

7. The contingency table below summarises the results obtained in a study conducted to test the performance of four competing brands of toothpaste in cavity protection among users. Test the hypothesis that incidence of cavities is independent of the brand of toothpaste used. Table value of  $\chi^2$  for respective degrees of freedom is 12.59 at 5 % level of significance.

	Brand A	Brand B	Brand C	Brand D	Total
No cavities	9	13	17	11	50
One to five cavities	63	70	85	82	300
More than five cavities	28	37	48	37	150
Total	100	120	150	130	500

8. In a factory production is being carried out by 5 workers on 4 different machines. Following is the data regarding number of units produced in a day:

Workers	Machine type			
	A	B	C	D
1	44	38	47	36
2	46	40	52	43
3	34	36	44	32
4	43	38	46	33
5	38	42	49	39

(i) Test whether the mean productivity is same for different machine types.

(ii) Test whether 5 men differ with respect to mean productivity.

$F_{0.05} = 3.49$  for  $v_1 = 3$ ,  $v_2 = 12$  and  $F_{0.05} = 3.26$  for  $v_1 = 4$ ,  $v_2 = 12$

9. Obtain an Initial Basic Feasible Solution to the following transportation problems.

Warehouse	Stores				Availability
	$S_1$	$S_2$	$S_3$	$S_4$	
A	5	1	3	3	34
B	3	3	5	4	15
C	6	4	4	3	12
D	4	1	4	2	19
Requirements	21	25	17	17	80

10. The marks obtained by a group of 9 regular course students and another group of 11 part time course students in a test are given below:

Regular	56	62	63	54	60	51	67	69	58		
Part-time	62	70	71	62	60	56	75	64	72	68	66

Examine whether the marks obtained by regular students and part-time students differ significantly at 5% level of significance.

(Table Value of t at 5% level of significance : 2.101)

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(Dr. MB)

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## ADVANCED FINANCIAL MANAGEMENT

## PART - A (5 X 6 = 30 MARKS)

## Answer ALL Questions

1. a) Examine the functions of Financial Management.  
(Or)  
b) Write a note on "Risk Return Trade Off".
2. a) What is Trade Credit? Explain its merits and demerits.  
(Or)  
b) Enumerate the merits of Term Loans.
3. a) Write a note on 'Working Capital Financing'.  
(Or)  
b) A company issues Rs.10,00,000, 10% redeemable debentures at a discount of 5%. The cost of floatation amount is Rs.30,000. The debentures are redeemable after 5 years. Calculate before tax and after tax cost of debt assuming a tax rate of 50%.
4. a) Differentiate Core Working Capital and Temporary Working Capital. .  
(Or)  
b) A and B who want to buy a business seek your advice about the average working capital requirements.  
**Average amount locked up in stocks:**  
Stock of Finished products and Working in Progress Rs. 5,000  
Stock of Stores, Materials etc. Rs. 8,000  
**Average Credit given:**  
Local Sales – two weeks credit Rs. 78,000  
Outside the state – six weeks credit Rs. 3,12,000  
**Time available for payments:**  
For purchases – four weeks Rs. 96,000  
For wages – two weeks Rs. 2,60,000  
Contingencies 10%.
5. a) Describe the various types of capital budgeting decisions.  
(Or)

b) A project cost Rs.20 lakhs and yields annually a profit of Rs.3 lakhs after depreciation at 12.5% but before tax at 50%. Calculate payback Period.

## PART – B (3 X 15 = 45 MARKS)

## Answer any THREE Questions

6. Describe elaborately about Profit Maximisation and Wealth Maximisation.
7. State the purpose of long term finance. What are the determinants of long term financial requirements of a firm?
8. The earnings per share of X Ltd., are Rs.15 and the rate of capitalization applicable to the company is 12%. The productivity of earning (r) is 12%. Compute the market value of the company's share if the payout is (i) 20%; (ii) 50%; (iii) 70%. Find out the optimum payout, Use Walter Model.
9. Explain the factors determining working capital requirements of the firm.
10. Initial investment Rs.60,000  
Life of the asset 4 years  
Estimated net annual cash flows:  
I year Rs.15,000  
II year Rs. 20,000  
III year Rs.. 20,000  
Calculate Internal Rate of Return.

(Dr.STA)

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**Semester: II**

**Sub. Code: P8COEP21**

**CONSUMER BEHAVIOUR**

**PART - A (5 X 6 = 30 MARKS)**

**Answer ALL Questions**

1. (a) State the nature of consumer behaviour.  
(Or)  
(b) Differentiate quantitative research from qualitative research.
2. (a) Define personality. State its nature.  
(Or)  
(b) Discuss the theory of 'Attitude towards the Ad' model
3. (a) What are the factors influencing group influence.  
(Or)  
(b) Highlight the advantages of opinion leaders to opinion receivers.
4. (a) What is a subculture? Describe its elements briefly.  
(Or)  
(b) Point out the cross-cultural marketing problems in India.
5. (a) What is organisational buying behaviour? Describe the individual factors involved in it.  
(Or)  
(b) Explain (i) consumer dissatisfaction and (ii) consumer disposition.

**PART – B (3 X 15 = 45 MARKS)**

**Answer any THREE Questions**

6. Discuss the applications of consumer behaviour in marketing.
7. Describe the methods of arousal of motives.

8. Describe the functions of a family from consumer behaviour perspective.
9. Describe the various factors affecting culture.
10. What is marketing communications? Describe various channels of marketing communications.

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Prof. SMN

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**FINANCIAL SERVICES**

**PART - A (5 X 6 = 30 MARKS)**

**Answer ALL Questions**

1. (a) Explain the term financial services. Discuss briefly different types of financial services.  
(Or)  
(b) Describe the importance of financial services to the corporate sector.
2. (a) Enumerate any four types of fee based financial services available in the financial market.  
(Or)  
(b) Distinguish Banking Company from NBFC.
3. (a) Define leasing. Enumerate the types of leasing.  
(Or)  
(b) What is a lease agreement? Discuss the content of a lease agreement.
4. (a) What is factoring. Explain its mechanism.  
(Or)  
(b) Differentiate factoring from bill discounting.
5. (a) Discuss portfolio management.  
(Or)  
(b) What do you understand by "Credit Rating". Bring out its importance.

**PART - B (3 X 15 = 45 MARKS)**

**Answer any THREE Questions**

6. Explain in detail the legal, taxation and accounting aspects of hire purchase financing.
7. Enumerate any three types of Leasing with their respective advantages and disadvantages.
8. Explain forfeiting. Distinguish between factoring and forfeiting.
9. Explain venture capital? Discuss the various methods of financing venture capital to a new enterprise.
10. Explain underwriting? List out its functions and importance.

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**Semester: II**

**Sub. Code: P8CO2001**

**HUMAN RESOURCE MANAGEMENT**

**PART - A (5 X 6 = 30 MARKS)**

**Answer ALL Questions**

1. (a) Discuss the objectives of HRM.  
(Or)  
(b) Enlighten the recent and emerging trends in HRM.
2. (a) Enlighten the need for HR Planning.  
(Or)  
(b) Write a short note on Job Analysis.
3. (a) Briefly describe the selection process.  
(Or)  
(b) Write a note on Placement and Induction.
4. (a) Discuss the importance of Training.  
(Or)  
(b) Explain any two methods of Executive Development.
5. (a) Justify the need for Performance Appraisal.  
(Or)  
(b) Explain any two Modern Methods of Performance Appraisal.

**PART – B (3 X 15 = 45 MARKS)**

**Answer any THREE Questions**

6. Explain the functions of HRM.
7. Describe the process of HR Planning.
8. Enlighten the sources of Recruitment.
9. Discuss the methods of Employee Training.
10. Evaluate the various Traditional Methods of Performance Appraisal.

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(Prof. KZ)

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**CIA TEST II – MARCH 2020**

TIME: 3Hrs.

MAX. MARKS: 75

**Class: I M.Com.**

**Semester: II**

**Subject Code: P8HR2001**

**HUMAN RIGHTS**

**PART - A (5 X 6 = 30 MARKS)**

**Answer ALL Questions**

1. (a) Explain the Nature & Scope of Human Rights.  
(Or)  
(b) Briefly explain the different kinds of Human Rights.
2. (a) Discuss International Covenant on Economic, Social and Cultural Rights.  
(Or)  
(b) Explain the Optional Protocol to the International Covenant on Civil and Political rights.
3. (a) Explain the salient features of UN charter concerning Human Rights.  
(Or)  
(b) Give an account on Universal Declaration of Human Rights.
4. (a) What do you understand by Human Rights and Helsinki Process?  
(Or)  
(b) Explain in brief about European Human Rights System.

5. (a) How Dalit's rights are be protected?

(Or)

- (b) How Children's Rights are be protected?

**PART – B (3 X 15 = 45 MARKS)**

**Answer any THREE Questions**

6. Discuss in detail Historical Development of Human Rights.
7. Explain the detail the International Bill on Human Rights.
8. Explain the powers and responsibilities of U.N. Human Commissioner.
9. Write a note on (a) NGO's and Human Rights (b) Amnesty International (c) Helsinki Process (d) Human Rights Watch
10. Discuss the various rights of Women and highlight how their rights are protected.

(Dr. VV & Prof. ZH)

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