

Roll No.

Total No. of Questions : 09

Total No. of Pages : 02



B.Com (Honours) (Sem.-6)

INDUSTRIAL RELATIONS AND LABOUR LAWS

Subject Code : BCOM601-18

M.Code : 79470

Date of Examination : 27-05-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTIONS-B consists of FOUR Sub-sections : Units-I, II, III & IV.
3. Each Sub-section contains TWO questions each, carrying TEN marks each.
4. Student has to attempt any ONE question from each Sub-section.

SECTION-A

1. Short answer type questions :

- a) Nature of Trade Union
- b) Types of Industrial conflicts
- c) Collective Bargaining process
- d) Process of Quality circles
- e) Gratuity
- f) Minimum Wage
- g) What is Arbitration?
- h) Problems of Quality Circles
- i) Objectives of Worker's Participation
- j) Causes of Grievances.

SECTION-B

UNIT-I

2. Do you think that the industrial relations are the web of rules? If so, explain the reason why we called it a web?
3. How the trade unions are helpful in building the better industrial relations. Discuss the importance of trade union in solving the industrial disputes?

UNIT-II

4. What restricts the growth of collective bargaining?
5. What are the causes of grievances? Discuss grievance redressal process in detail.

UNIT-III

6. What is meant by workers participation in management? Discuss the objectives and types.
7. State the various voluntary efforts of the organisations for reduction of industrial disputes. How they settle the disputes. Discuss about the dispute handling machinery of the organizations.

UNIT-IV

8. State the objective of payment of wages act. Explain in detail authority under payment of wages under the given act.
9. State the aims of the payment of Bonus Act. Explain provision regarding Employers' obligations under the Payment of Bonus Act.

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3/1/23
Operation Research

Roll No.

Total No. of Questions : 09

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B.Com (Hons.) (Sem.-6)

OPERATION RESEARCH

Subject Code : BCOM-602-18

M.Code : 79471

Date of Examination : 03-01-23

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

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SECTION-A

1. Answer Briefly :
 - a) Hungarian Method
 - b) What is infeasible solution?
 - c) Significance of Operations Research
 - d) Degeneracy in Transportation Problem
 - e) Assumptions of LLP.
 - f) Slack and Float.
 - g) Pure and Mixed strategy games.
 - h) Probabilistic Model.
 - i) Limitations of Dominance method in game theory.
 - j) Define Activity and Event



SECTION-B

UNIT-I

2. Discuss in detail the scope, objectives and limitations of Operations Research.
3. Solve the following problem :

Minimize $Z = 2x_1 + 3x_2$

Subject to : $x_1 + x_2 \leq 1$

$3x_1 + x_2 \leq 4,$

$x_1, x_2 \geq 0$

UNIT-II

4. Solve the following game, whose pay of matrix is :

		B		
		I	II	III
A	I	-2	15	-2
	II	-5	-6	-4
	III	-5	20	-8

5. What do you understand by Decision Tree analysis? What is a node in a decision tree? What is backward pass?

UNIT - III

6. What is the difference between PERT & CPM ? Discuss the merits and demerits of PERT.
7. Explain characteristics and classification of Queuing Models.

UNIT-IV

8. What is meant by Economic Ordered Quantity? Discuss its utility in Inventory Control.
9. Find the cost per period of individual replacement policy of an installation of 300 bulbs, given the following :
 - a) Cost of individual replacement of bulb is Rs. 2/- per bulb.
 - b) Conditional probability of failure of bulbs is as follows :

Weekend :	0	1	2	3	4
Probability of Failure :	0	0.1	0.3	0.7	1.0

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B.Com (Sem.-6)
OPERATION RESEARCH
Subject Code : BCOM602-18
M.Code : 79471

Date of Examination : 16-05-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
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SECTION-A

1. Attempt all questions.

- a) Discuss assumptions of Linear Programming Problem.
- b) What are the various assumptions of EOQ formula?
- c) What do you understand by unbalanced Assignment Problem.
- d) Define fair game.
- e) What are the general similarities between dynamic programming and linear programming?
- f) Discuss the methods used for Decision making under uncertainty.
- g) Discuss use of Transportation problem.
- h) Maximize $5x+3y$ subject to: $3x+5y \leq 15$ and $5x+2y \leq 10$, $x, y \geq 0$.
- i) What is traffic intensity in queuing theory?
- j) A computer centre has three expert programmers. The centre wants three application programmes to be developed. The head of the computer centre, after carefully

studying the programmes to be developed, estimates the computer time in minutes required by the experts for the application programmes as follows :

Programmes	Programmers		
	120	100	80
	80	90	110
	110	140	120

Assign the programmers to the programmes in such a way that the total computer time is minimum.

SECTION-B

UNIT-I

2. A distribution system has the following data :

Factory	Capacity (units)	Warehouse	Demand (units)
A	45	I	25
B	15	II	55
C	40	III	20

The transportation cost / unit (Rs) associated with each route is as follows :

	I	II	III
A	10	7	8
B	15	12	9
C	7	8	12

Find the optimum transportation schedule and the minimum cost of transportation.

3. Solve the following LPP

$$\text{Maximize } Z = 2x_1 + 3x_2 + x_3$$

$$\text{Subject to } x_1 + 4x_2 + 2x_3 \geq 8 \text{ and } 3x_1 + 2x_2 \geq 6$$

where all $x_i \geq 0$ for $i = 1, 2, 3$.

UNIT-II

4. Solve the following game whose pay-off matrix is given by :

Player A	Player B				
		B ₁	B ₂	B ₃	B ₄
	A ₁	3	3	1	10
	A ₂	5	5	4	6
	A ₃	4	-2	0	-5

5. In a toy manufacturing company, suppose the product acceptance probabilities are not known but the following data is known:

Product Acceptance	Anticipated First Year Profit ('000 Rs) Product Line		
	Full	Partial	Minimal
Good	8	70	50
Fair	50	45	40
Poor	-25	-10	0

Determine the optimal decision under each of the following decision criteria and show how you arrived at it :

- Maximax
- Maximin
- Equal likelihood
- Minimax regret?

UNIT-III

6. Draw network diagram corresponding to the following information. Determine the critical path and duration of the project.

Activity	1-2	1-3	2-6	3-4	3-5	4-6	5-6	5-7	6-7
Duration (Days)	4	6	8	7	4	6	5	19	10

7. Speedy Oil provides a single-channel automobile oil change and lubrication service. Customers provide an arrival rate of 3 cars per hour. The service rate is 6 cars per hour. Assume arrivals follow Poisson probability distribution and that service times follow an exponential probability distribution.

- What is the average number of cars in the system?
- What is the average time that a car waits for the oil and lubrication service to begin?
- What is the average time a car spends in the system?

UNIT-IV

8. Machine A costs Rs 45,000 and its operating costs are estimated to be Rs 1,000 for the first year increasing by Rs 10,000 per year in the second and subsequent years. Machine B costs Rs 50,000 and operating costs are Rs 2,000 for the first year, increasing by

Rs 4,000 in the second and subsequent years. If at present we have a machine of type A, should we replace it with B? If so when? Assume that both machines have no resale value and their future costs are not discounted.

9. A company that operates for 50 weeks in a year is concerned about its stocks of copper cable. This costs Rs 240 a meter and there is a demand for 8,000 meters a week. Each replenishment costs Rs 1,050 for administration and Rs 1,650 for delivery, while holding costs are estimated at 25 percent of value held a year. Assuming no shortages are allowed, what is the optimal inventory policy for the company? How would this analysis differ if the company wanted to maximize its profits rather than minimize cost? What is the gross profit if the company sells the cable for Rs 360 a meter?

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B.Com (Honours) (Sem.-6)

MANAGEMENT OF FINANCIAL SERVICES

Subject Code : BCOP-612-18

M.Code : 79473

Date of Examination : 05-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTIONS-B consists of FOUR Sub-sections : Units-I, II, III & IV.
3. Each Sub-section contains TWO questions each, carrying TEN marks each.
4. Student has to attempt any ONE question from each Sub-section.

SECTION-A

1. a) What is Merchant Banking?
b) What is Lease Financing?
c) What do you mean by Credit Rating?
d) Define the term Factoring.
e) What are Mutual Funds?
f) What are the various types of Plastic Money?
g) What is a Credit Card?
h) What is the importance of Financial Services?
i) Differentiate between Personal Loan and Home Loan.
j) List the disadvantages of Credit Rating Services.



Management of Financial Services

5/2/23

**SECTION-B
UNIT-I**

2. Discuss the contribution of Financial Sector in promoting Service Sector.
3. Explain the scope of Merchant Banking services. Discuss the weakness in function of Merchant Banking Sector in India.

UNIT-II

4. Explain the various types of leasing and discuss the various factors influencing the lease agreement.
5. What is Hire Purchase? How will you calculate the effective interest rate in Hire Purchase agreements?

UNIT-III

6. Discuss the Concept of Credit Rating. What are the advantages and disadvantages of Credit Rating services?
7. What do you mean by Factoring? Discuss the role and importance of Factoring services in Indian Corporate Business. Also throw some light on the prospects of Factoring Services in India.

UNIT-IV

8. What do you mean by Venture Capital Funds? Discuss their role and importance in development of Indian Economy.
9. Explain the concept of Plastic Money. What are the various types of Plastic Money? What are the Merits and Demerits of Debit Cards?

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B.Com (Hons.) (Sem.-6)

MANAGEMENT OF FINANCIAL SERVICES

Subject Code : BCOP612-18

M.Code : 79473

Date of Examination : 25-05-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B consists of FOUR Sub-sections : Units-I, II, III & IV.
3. Each Sub-section contains TWO questions each, carrying TEN marks each.
4. Student has to attempt any ONE question from each Sub-section.

SECTION-A

I. Write briefly :

- a) What is the role of dematerialization?
- b) What are the limitations of plastic money?
- c) How single investor lease differs from leveraged lease?
- d) Define export factoring.
- e) Define depository participant.
- f) What do you mean by venture capital?
- g) What do you mean offshore mutual funds?
- h) Who is lead manager?
- i) Define merchant banking.
- j) Define the concept of hire-purchase

SECTION-B

UNIT-I

2. What do you mean by merchant banking? Discuss in detail origin, scope and advantage of merchant banking. Discuss in detail organizational pattern of merchant Banking.
3. What do you mean by financial services? Discuss in detail role of financial services sector in expanding economic opportunity in India in the era of globalization.

UNIT-II

4. For a lease payment of Rs. 1,00,000 for a period of 5 years, what should be the lease rental if rate of depreciation is 40% on diminishing balance and the lessor expect pretax rate of return 25% Tax rate is 40% for the lessor?
5. Describe the concept of Hire Purchase. What is the current scenario and mathematics of Hire Purchase in India? Discuss in detail SEBI guidelines for Hire Purchase in India.

UNIT-III

6. Discuss in detail concept, origin, growth of mutual funds in India. What are the broad parameters of operational efficiency for mutual funds? What is the latest scheme commonly used in the current scenario?
7. What do you mean by factoring? State the mechanism involved in a factoring in a financial service. Discuss in detail types, functions and SEBI guidelines of factoring.

UNIT-IV

8. Describe the concept of venture capital. What is the current scenario of venture capital in India? Discuss in detail SEBI guidelines for venture capital in India.
9. Describe the concept and types of credit cards. Discuss in detail credit process followed by the credit card organizations and factor affecting utilization of credit cards.

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B.Com. (Hons.) (Sem.-6)

BANKING LAWS AND SERVICES

Subject Code : BCOP-621-18

M.Code : 79474

Date of Examination : 18-05-2023

Max. Marks : 60

Time : 3 Hrs.

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. SECTION-B consists of **FOUR** Sub-sections : Units-I, II, III & IV.
3. Each Sub-section contains **TWO** questions each, carrying **TEN** marks each.
4. Student has to attempt any **ONE** question from each Sub-section.

SECTION-A

I. Write briefly :

- a) Co-operative Banks
- b) SLR
- c) Types of NPA
- d) Chain Banking
- e) Gilt Edged Securities
- f) NBFCs
- g) Crossed Cheque
- h) Pledge
- i) Financial Inclusion
- j) Right of Lien.

SECTION-B

UNIT-I

2. How do banks create credit in a single bank and a multiple bank system?
3. Discuss the role of commercial banking in the economic development of the country.

UNIT-II

4. What is central bank? Describe the functions of central bank and discuss their significance.
5. What is Banking Regulation Act, 1949, and how does it regulate the banking system in India?

UNIT-III

6. What are the causes and consequences of NPA in banking system, and how can banks effectively manage and reduce their NPA levels?
7. What are the key elements of successful banker customer relationships, and how do these elements contribute to the growth and sustainability of banks?

UNIT-IV

8. Evaluate the risks associated with digital cheque processing, including cyber threats, and measures taken by banks to mitigate these risks.
9. Discuss the evaluation of banking services over time, from traditional to modern services.

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B.Com. (Honours) (Sem.-6)

RISK MANAGEMENT AND INSURANCE

Subject Code : BCOP622-18

M.Code : 79475

Date of Examination : 20-05-2023

Max. Marks : 60

Time: 3 Hrs.

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTIONS-B** consists of **FOUR** Sub-sections : Units-I, II, III & IV.
3. Each Sub-section contains **TWO** questions each, carrying **TEN** marks each.
4. Student has to attempt any **ONE** question from each Sub-section.

SECTION-A

1. Write briefly :
- a) Sources of risk
 - b) Cost of Risk
 - c) What is Individual Risk?
 - d) Role of Surveyor in Risk R
 - e) Automobile insurance
 - f) Principle of subrogation
 - g) Hedging
 - h) Cargo Insurance
 - i) Principal of Causa Proxima
 - j) Perils.

SECTION-B

UNIT-I

2. What is risk? Explain in detail the various types of risk in a business.
3. Elaborate the Corporate Risk. Also, explain the various techniques for the management of Corporate Risk.

UNIT-II

4. Write a detailed note on the techniques for the identification of risk.
5. What is Risk Avoidance and Reduction? Also, focus on the methods of loss prevention and reduction.

UNIT-III

6. "Insurance is an instrument of distributing the loss of few among many". Explain in detail.
7. What do you mean by Fire Insurance? Also explain the perils covered under the Fire Insurance Policy.

UNIT-IV

8. What is IRDA? Briefly explain the various insurance regulations in India.
9. What are the various control measures used by the IRDA for the Malpractices in Insurance sector?

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