

C-6597

Sub. Code

80921

M.B.A. DEGREE EXAMINATION, APRIL 2022.

Second Semester

Logistics And Supply Chain Management

**PRODUCTION AND MATERIALS HANDLING IN
LOGISTICS**

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Production.
2. What do you mean by Production planning?
3. State the objectives of plant Layout.
4. Why Plant location is important?
5. What is method study?
6. What is the significance of Work study?
7. Write short notes on Cranes.
8. What is Material handling?
9. Write about Traction type Conveyers.
10. What is Cross Holding Equipments?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the functions and responsibilities of production manager.

Or

- (b) Describe the scope of production planning and control.

12. (a) Explain the various types of plant layout.

Or

- (b) What are the advantages of plant location in urban area?

13. (a) Discuss the objectives of work measurement.

Or

- (b) Explain the process of method study.

14. (a) Briefly discuss about Hoisting machineries.

Or

- (b) Explain the types of cranes.

15. (a) What are Surface tension equipments? Explain its uses?

Or

- (b) Explain the process of ODC cargo material handling.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the various functions of production management.

Or

- (b) Bring out the advantages and disadvantages of urban, suburban and rural locations for factory.

17. (a) What are the principles of plant layout? What factors influence the plant layout?

Or

- (b) Discuss the significance of method study and time study in production function.

18. (a) What is cost analysis? Discuss how Material handling equipment costs affects the production.

Or

- (b) What are the conveying equipments? Explain what are types of conveying equipments used?

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81022/80922

M.B.A. DEGREE EXAMINATION, APRIL 2022.

Second Semester

HUMAN RESOURCE MANAGEMENT

Common for M.B.A. (L & SCM)/M.B.A. (IS & L)

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Human resource management.
2. What do you mean by job analysis?
3. What is recruitment?
4. Define training.
5. What is job evaluation?
6. Define empowerment.
7. What is mentoring?
8. What is fringe benefits?
9. What is Globalization?
10. What is cross repatriation?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Outline the principles of HRM.

Or

(b) What are the benefits and demerits of e-learning?

12. (a) Define HR planning. Bring out the factors influencing such a plan.

Or

(b) Define job analysis. What are its uses?

13. (a) Define the term “Training and development”, Bring out the importance of training and development.

Or

(b) What is performance appraisal? What are its objectives?

14. (a) Bring out the various employee benefits and services.

Or

(b) Describe the components of employee remuneration.

15. (a) What is IHRM? How does it differ from domestic HRM?

Or

(b) Explain about the roles of IHRM?

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the functions of HRM.

Or

(b) Explain the barriers to Human resource planning.

17. (a) Bring out the factors which influence recruitment.

Or

(b) What are the merits of On the job and off the job training?

18. (a) Mention the merits and demerits of personal interview.

Or

(b) Is money the prime trigger of employee performance.

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81023/80923

M.B.A. DEGREE EXAMINATION, APRIL 2022.

Second Semester

FINANCIAL MANAGEMENT

(Common for M.B.A. (L & SCM)/M.B.A. (IS & L))

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is financial management?
2. What is cost of capital?
3. What is operating leverage?
4. What is EPS?
5. What is NPV?
6. What is capital budgeting?
7. What is working capital management?
8. What is operating cycle?
9. What is dividend?
10. What is capital structure?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What are the goals of financial management? Discuss them in brief.

Or

- (b) A company expects a dividend of Re.1.00 per share next year and is expected to grow at 6% per year perpetually. Determine the cost of equity capital, assuming the market price per share is Rs.25.

12. (a) The operating and cost data of ABC Ltd. are:

Sales Rs.20,00,000

Variable cost Rs.14,00,000

Fixed cost Rs.4,00,000 (including 15% interest on Rs.10,000)

Calculate its operating, financial and combined leverages.

Or

- (b) Define capital financing and what are its uses?

13. (a) What is the need and significance of Financing decision?

Or

- (b) Determine the discounted payback period NPV, PI for a project which requires a cash outlay of Rs.10,000 and generates cash inflows of Rs.2000, Rs.4,000, Rs.3000 and Rs.2000 in the first, second, third and fourth year respectively.

14. (a) What do you mean by bank finance? Explain its merits and demerits.

Or

- (b) From the following information, you are required to forecast their working capital requirement.

Projected Annual sales	Rs.65,00,000
Percentage of net profit on cost of sales	25%
Average credit period allowed to debtors	10 weeks
Average credit period allowed by creditors	4 weeks
Average stock carrying (in terms of sales requirement)	8weeks

Add 10% to computed figures to allow for contingencies.

15. (a) What are the factors which influence the dividend policy of a firm?

Or

- (b) Explain the importance of the capital structure.

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the main role of finance manager in India.

Or

- (b) A company issues 10% irredeemable debentures of Rs.1,00,000. The company is in the 55% tax bracket. Calculate the cost of debt (before as well as after tax) if the debentures are issued at (i) par (ii) 10% discount (iii) 10% premium.

17. (a) Calculate the average rate of return for project and Y from the following:

	Project X	Project Y
Investment	Rs.30,000	Rs.40,000
Net profit for year 1	6,000	12,000
2	6,000	10,000
3	4,000	8,000
4	4,000	6,000
5	–	4,000

Or

- (b) Explain the various factors influencing working capital.
18. (a) Describe the factors affecting investment decision?

Or

- (b) Critically examine one various methods of evaluating capital budgeting proposals. Discuss their advantages and disadvantages.

C-6600

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80924/81024

(Common for M.B.A. (L & SCM)/M.B.A.(IS & L))

M.B.A. DEGREE EXAMINATION, APRIL 2022.

Second Semester

**RESEARCH METHOD FOR BUSINESS/RESEARCH
METHODS FOR MANAGEMENT**

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Research.
2. What are the Ethics in Research?
3. What are the Measurement Scales?
4. What is Research Design?
5. What are the sources of Secondary Data?
6. What is Tabulation?
7. What are the uses of Chi-Square?
8. Explain the importance of Regression.
9. List out the contents of Report.
10. What is a Research Report?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the criteria of a good research in detail.
Or
(b) Why is it so important to define a research problem appropriately?
12. (a) What are the types of Research Design? Explain with suitable example.
Or
(b) Explain the various factors to be considered in making the decision of census or sampling method.
13. (a) What are the major steps involved in the process of construction of schedule or questionnaire?
Or
(b) What are the various methods of data collection? Discuss in detail along with their advantages and disadvantages?
14. (a) There are three main brands of certain powder. A set of 120 samples values is examined and found to be allocated among four groups. (A, B, C, and D) and three brands (I, II, III) as shown here under:

Brands	Groups			
	A	B	C	D
I	0	3	8	15
II	5	8	13	6
III	8	19	11	13

Is there any significant difference in brands preference?
Answer at 5%, level using one-way ANOVA.

Or

- (b) Explain the measures of Dispersion.

15. (a) Explain the various steps of writing a research report in detail.

Or

- (b) What are different types of research reports?

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the Classification of Research.

Or

- (b) Explain about the characteristics of Good Hypothesis in detail.

17. (a) Describe the types of Sampling Design.

Or

- (b) “Research is much concerned with proper fact finding analysis and evaluation”. Do you agree with this statement? Give reason in support of your answers.

18. (a) Write an essay Measures of Central Tendencies.

Or

- (b) (i) Find out the co-efficient of correlation form the following data:

X: 65 66 67 67 68 69 71 73

Y: 67 68 64 68 72 70 79 70

(ii) A dice is tossed 120 times with the following results.

No. turned up:	1	2	3	4	5	6	Total
Frequency:	30	25	18	10	22	15	120

Test the hypothesis that the dice is unbiased.

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80925

M.B.A. DEGREE EXAMINATION, APRIL 2022.

Second Semester

LOGISTICS AND SUPPLY CHAIN MANAGEMENT

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define channel strategy.
2. What is supply chain Network?
3. What is decision tree analysis?
4. What is 3PL?
5. What is distribution network design?
6. What is logistics outsourcing?
7. Compare Logistics and Supply chain Management.
8. Define Freight Management.
9. What is target pricing?
10. What is industrial packaging? Give an example.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the enablers of supply chain performance.

Or

- (b) Discuss the frame work for structuring supply chain drivers in detail.

12. (a) How decision trees can be used to evaluate network design?

Or

- (b) What are the design options for a distribution network? Explain with neat sketches.

13. (a) What is vendor managed inventory? With a neat sketch explain a VMI Business model and list out its benefits.

Or

- (b) Explain different types of warehouses.

14. (a) Enumerate the challenges related to vehicle routing.

Or

- (b) Explain the different modes of transportation.

15. (a) What are the obstacles to achieving strategic fit?

Or

- (b) Explain with a neat sketch the four phases in the design of global network.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the process and implications of make or buy decisions.

Or

- (b) How will you measure the performance? Explain the need, system, levels and dimensions in the performance measurement.

17. (a) What are the types of inventory in a supply chain system? Explain the importance of inventory management in the supply chain of a manufacturing firm.

Or

- (b) What is bullwhip effect in supply chain and how it is measured? Describe the major causes of bullwhip effect in supply chain.

18. (a) Discuss the guidelines for effective supply chain strategies. Explain with a model for evolving a SCM strategy for a service industry of your choice.

Or

- (b) Discuss global logistics.
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C-6602

Sub. Code

80926

M.B.A. DEGREE EXAMINATION, APRIL 2022

Second Semester

Logistics and Supply Chain Management

APPLIED OPERATIONS RESEARCH

(2019 onwards)

Duration: 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is the scope of Operation Research?
2. What are the applications of Operation Research?
3. What are the assumptions and requirements of LPP?
4. List the forms of LPP.
5. Write a note on Transportation Model.
6. What is Assignment Problem?
7. Define Two person zero sum game.
8. What is a Pay off Matrix Game Theory?
9. What are the basic characteristics of Queuing system?
10. What is Monte Carlo method?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the modelling in Operations Research.

Or

- (b) Discuss the applications of Operations Research in functional Area of Management.

12. (a) Explain the mechanism and managerial significance of Post-Optimality analysis of Simplex Linear Programming solution.

Or

- (b) Maximise $Z = 3x + 4y$
subject to $2x + 5y \leq 60$
 $4x + 2y \leq 40$
 $x, y \geq 0$.

Solve by Graphical method.

13. (a) With an example, explain about the North-West corner rule for obtaining an initial basic feasible solution of a transportation problem.

Or

- (b) Solve the following Transportation problem using Vogel's method

	Warehouse						Available	
	A	B	C	D	E	F		
Factory	1	9	12	9	6	9	10	5
	2	7	3	7	7	5	5	6
	3	6	5	9	11	3	11	2
	4	6	8	11	2	2	10	9
Requirement	4	4	6	2	4	2		

14. (a) Describe steps in Hungarian Method with an example.

Or

- (b) Solve the following 2×2 game.

$$A \begin{matrix} & B \\ \begin{bmatrix} 2 & 5 \\ 7 & 3 \end{bmatrix} \end{matrix}$$

15. (a) What are the advantages and disadvantages of Simulation techniques?

Or

- (b) Explain Basic Technologies in Decision Theory.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Use Simplex Method to solve the LPP

$$\text{Maximize } Z = 4x_1 + 10x_2$$

$$\text{subject to } 2x_1 + x_2 \leq 50$$

$$2x_1 + 5x_2 \leq 100$$

$$2x_1 + 3x_2 \leq 90 \text{ and}$$

$$x_1, x_2 \geq 0$$

Or

- (b) Discuss about Monte-Carlo Simulation in detail.

17. (a) A batch of 4 jobs can be assigned to 5 different Machines. The setup time (in hours) for each job on various machine is given below. Find an optimal assignment of Jobs to Machine which will minimize the total setup time.

		Machine				
		1	2	3	4	5
Jobs	1	10	11	4	2	8
	2	7	11	10	14	12
	3	5	6	9	12	14
	4	13	15	11	10	7

Or

- (b) Explain the characteristics of Game Theory.
18. (a) Reduce the following game by dominance and find the game value.

		Player B			
		I	II	III	IV
Player A	I	3	2	4	0
	II	3	4	2	4
	III	4	2	4	0
	IV	0	4	0	8

Or

- (b) Explain the Basic Technologies in Decision Theory.

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80927/81027

M.B.A. DEGREE EXAMINATION, APRIL 2022

Second Semester

Logistics and Supply Chain Management

SHIPPING AND PORT MANAGEMENT

(Common for M.B.A. (L & SCM)/M.B.A. (IS & L))

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define hinter land.
2. Define EXIM Policy.
3. What are Hazardous cargoes?
4. Explain shipper's paper.
5. What is containerization?
6. What is Cabotage law?
7. How many major ports in India?
8. What is shipper association?
9. What is port logistics?
10. What is concession contract?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write a short note on tariff structures.
Or
(b) Explain the objectives of port policy.
12. (a) Explain the management of cargo operations on board and ashore.
Or
(b) Explain the economic impact of ports.
13. (a) Explain the factors affecting Terminal productivity.
Or
(b) Elucidate the services rendered by port.
14. (a) Explain the ways and means to identify the customer needs.
Or
(b) Explain the various ways to improve the seaports infrastructure and services in India.
15. (a) Compare coastal shipping versus inland movement.
Or
(b) Discuss the need for security in a port.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the roles and functions of intermediaries in international trade.
Or
(b) Discuss in detail the organization structure in ports.

17. (a) Explain how the potential of coastal shipping cabotage law and practices affect coastal movement of cargo.

Or

(b) Explain the significance of cargo and container handling equipment.

18. (a) Discuss the significance of safety management in a port.

Or

(b) Explain the principles and practice of shipping.

C-6609

Sub. Code

80936

M.B.A. DEGREE EXAMINATION, APRIL 2022.

Third Semester

Logistics and Supply Chain Management

RETAIL SUPPLY CHAIN MANAGEMENT

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is value chain?
2. Write objectives of supply chain.
3. What is supply chain risk?
4. Write short note on target industry.
5. What is PDCA?
6. What is Strategy Implementation?
7. Write short note on cross docking.
8. What is modern approach?
9. What is bar coding?
10. What is cost cutting?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Discuss the efficiency in supply chain management.

Or

- (b) Describe the importance of customer segments.

12. (a) Discuss the functions of quality deployment.

Or

- (b) Briefly explain the push and pull supply chains.

13. (a) Explain the strategies for retail market segments.

Or

- (b) Distinguish between the Distribution and Direct store delivery.

14. (a) Describe the Retailer vendor co-ordination.

Or

- (b) Describe the importance of tools and techniques.

15. (a) Describe the functions of retail supply chain.

Or

- (b) Briefly explain the benefits of Retail Logistics.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Briefly explain the innovation in supply chain management.

Or

- (b) Briefly explain the new emerging concepts of Logistics.

17. (a) Write essay on Omni channel retail supply chain.

Or

(b) Describe the excellence in supply chain management.

18. (a) Describe the approach of retail supply chain process.

Or

(b) Briefly explain the procurement training supply chain management.

C-6610

Sub. Code

80937

M.B.A. DEGREE EXAMINATION, APRIL 2022.

Third Semester

Logistics and Supply Chain Management

EXIM PROCEDURE AND DOCUMENTATION

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write short note on licensing.
2. What is meant by payment terms?
3. What is Bill of Lading?
4. Write short note on ISO Standards.
5. What is forwarding agent?
6. What is EDI system?
7. Write short note on placing in order.
8. What is clearing of goods?
9. What is a Duty drawback?
10. What is ITPO?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Discuss the Methods of Exporting.

Or

- (b) Describe the classification of export marketing.

12. (a) Discuss the types of Marine Insurance Policies.

Or

- (b) Briefly explain the procedure for obtaining ISO 9000.

13. (a) Explain the steps in export procedure.

Or

- (b) Discuss the importance of customs EDI system.

14. (a) Describe the procedure of import in legal dimensions.

Or

- (b) Discuss the steps in import procedure.

15. (a) Describe the functions of export promotion council.

Or

- (b) Briefly explain the Incentives for Exporters.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Briefly explain the export licensing.

Or

- (b) Briefly explain the documentation system.

17. (a) Write essay on steps in export procedure.

Or

(b) Describe the warehousing imported goods.

18. (a) Write briefly explains the EXIM Bank.

Or

(b) Briefly explain the pre-import procedure.
