IIMM Assignments, Jul-_Dec, 2014 Session

INDIAN INSTITUTE OF MATERIALS MANAGEMENT
NHQ- Education Wing

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IMPORTANT POINTS TO BE NOTED BY THE STUDENT

1. **Write your Name, Roll. No. and complete mailing address with Pin Code on the answer sheet.**

2. Submission of assignments is compulsory and marks obtained in assignments carry 20% weight-age in the final result.

3. Students are required to secure 50% marks in assignments to pass the examination.

4. Each subject will have two assignments and each assignment carries 10 marks only.

5. Assignments must be written by the students in their own good hand writing and **one copy of the same be retained with them to avoid inconvenience in the event of misplacement / loss of the same in transit.**

6. The answers should be brief to the point and relevant to the questions given in the assignment. Do not reproduce your answers from the study materials sent to you.

7. Problems/queries with regard to assignments, if any, are to be discussed with respective branch / NHQ and during the contact classes.

8. Use only full escape size paper for your answers and **all the answer sheets must be tagged / tied firmly with string.**

9. Assignments in respect of distance mode students must reach IIMM NHQ Education Wing latest by **31 October, 2014 against Jul-Dec, 2014 session. No delay will be acceptable.** GDMM contact mode students are required to submit their assignments at their respective branches.

Note: As per IIMM NHQ circular dated 21.12.2012, (uploaded on www.iimm.org,) late receipt of assignments with late fees @ Rs. 200/- per paper can be accepted till 15th Nov, 2014 only. Written Exams scores without assignments will be invalid, hence such students will be required to re-appear in even passed theory papers and resubmit assignments.

PAPER- 1
MANAGEMENT PRINCIPLES & HRP
ASSIGNMENT No-1

Que 1. Differentiate between transformational and transactional leadership.

Que 2. Write short note on (Any two)

a) Organization culture
b) Controlling techniques
c) Theory-X versus Theory-Y
d) Leadership

ASSIGNMENT No-2

Que 1. Define HRD. What are the various functions of HR and Personnel department?

Que 2.a) What are the objectives and benefits of performance counseling

   b) Discuss objectives and functions of trade union.

PAPER- 2
QUANTITATIVE METHODS
ASSIGNMENT No-1

Que 1. Write short note on (Any two)

a) Break Even Analysis
b)   Sensitivity Analysis
c) NPV Vs IRR

Que 2. If for a period of 2 hours in a day (8-10 a.m.) trains arrive at a yard every 20 minutes but the service time continues to remain 36 minutes, then calculate for this period

a) The probability that the yard is empty
b) Average queue length on the assumption that the line capacity of the yard is limited to 4 trains only.

ASSIGNMENT No-2

Que 1. A company wishes to assign 4 jobs to 3 machines. The estimates of the times (in minutes) each machine would take to complete a job is given below. How the job should be allocated to the machines, so that the total cost is minimum?

Jobs	Machines		
	M1	M2	M3
I	8	25	14
II	12	26	5
III	34	19	14
IV	17	29	19

Que 2. A firm manufactures three types of products. The fixed and variable costs are given below:

	Fixed Cost (Rs)	Variable Cost per unit (Rs)
Product A	25,000	12
Product B	35,000	9
Product C	53,000	7

The likely demand (units) of the products is given below:

Poor Demand   : 3,000
Moderate Demand   : 7,000
Higher demand   : 11,000

If the sale price of each type of product is Rs 25 then prepare the pay off matrix.

PAPER- 3
Business Economics, Accounting and Finance

ASSIGNMENT No-1

Que 1. Calculate funds from operations with the help of the following Profit and Loss Account of XYZ Ltd:

Profit and Loss A/C				
	Rs.			Rs.
To Expenses paid and outstanding	1,50,000		By Gross profit	2,25,000
To Depreciation	35000.00		By gain or sale of land	30,000
To Loss on sale of machine	2000.00			
To Discount	100.00			
To Goodwill	10000.00			
To Net profit	57900.00			
	2,55,000			2,55,000

Que2. a) Explain Williamson's institutional approach.
b) What are the features of a good wage plan?

ASSIGNMENT No-2

Que 1. From the following Trail Balance of XYZ & Co. prepare Trading, Profit & Loss account and Balance Sheet for the year ended 31st march 2010.

Trial Balance		
Particulars	Dr. (Rs)	Cr. (Rs)
Capital		25,000
Loans		5,000
Sales		35,000
Accounts payable		4,000
Bills payable		5,000
Purchase return		2,000
Dividend received		3,000
Plant & machinery	13,000	
Building	17,000	
Bills receivable	9,650	
Purchasers	18,000	
Discount allowed	1,200	
Wages	7,000	
Salaries	3,000	
Travelling expenses	750	
Freight outward	200	
Insurance	300	
Commission paid	100	
Cash in hand	100	
Cash at bank	1,600	
Repairs	500	
Interest on loan	600	
Opening stock	6,000	
Total	79,000	79,000

Additional data for adjustment:

a) Closing Stock Rs 8,000
b) Depreciation on plant & machinery @ 15% and 10% on building
c) Provision on doubtful receivables Rs 500
d) Insurance prepaid Rs 50
e) Outstanding rent Rs 100

Que 2. Write short note on (Any two)

a) GDP Vs GNP
b) Objectives of foreign trade policy in India
c) Advantages and limitation of journal
d) Depreciation and it's causes

PAPER – 4
INFORMATION TECHNOLOGY AND E-COMMERCE

ASSIGNMENT No-1

Que 1. a) Discuss the main features of Windows XP

b) How to sort a query using MS-Access?

Que 2. a) What are input and output devices of computer?

b) Explain the structure of UNIX

ASSIGNMENT No-2

Que 1. Write short note on (Any two)

a) N-tier client server
b) DBMS
c) Basic features of the Web
d) PayPal

Que 2.a) Define virtual corporation. What are the benefits of virtual corporation?

b) Explain the various stages to a BPR development project.

PAPER – 5
PURCHASING MANAGEMENT

ASSIGNMENT No-1

Que 1. What are the practical guidelines for effective purchasing?

Que 2. a) What are the various principles of Excise Control?

b) Discuss the various methods of purchasing?

ASSIGNMENT No-2

Que 1. a) Differentiate between Local versus National buying.

b) Discuss the various potential areas for negotiations.

Que 2. Compare Rate Contract & Running Contract.

PAPER - 6
BUSINESS LAWS

ASSIGNMENT No-1

Que 1. a) Define breach of contract. What remedies are available for breach of contract?

Que 2. Write short note on (Any two)

a) International arbitration
b) Performance of contract sale
c) Central sales tax

ASSIGNMENT No-2

Que 1.What are the general provisions regarding exports and imports?

Que 2.a) Define custom duties. Explain custom clearance procedure

b) Discuss the various forms of Endorsement

PAPER -7
INTERNATIONAL TRADE

ASSIGNMENT No-1

Que 1. a) What are the benefits of e-marketing over traditional marketing?

b) Explain custom clearance procedure for imported/exported goods.

Que 2. Write short note on (Any two)

a) FDI
b) Balance of payment
c) Duty of refunds
d) Objectives and functions of FEMA

ASSIGNMENT No-2

Que 1. What are the special schemes for promotions of export?

Que 2. a) Define GATT. Discuss objectives and structure of GATT.

b) Discuss the purpose and functions of the IMF.

PAPER - 8
OPERATIONS MANAGEMENT

ASSIGNMENT No-1

Que 1. a) Explain the Polar representation of performance objectives.

b) What is the need for sales forecasting?

Que 2. How a Rough-cut capacity planning can be carried out? Explain with a suitable example.

ASSIGNMENT No-2

Que 1. Write short note on (Any two)

a) Job-Shop Scheduling
b) Acceptance Sampling
c) Machine loading charts
d) Ergonomics

Que 2. Discuss key element of JIT principle.

PAPER - 9
STRATEGIC MANAGEMENT

ASSIGNMENT No-1

Que 1. a) Differentiate between a Market Focused and a Resource-Based strategy.

b) Discuss M. Porter's approach for globalization.

Que 2. Write short note on (Any two)

a) Strategic Environmental Assessment
b) SWOT Analysis
c) Five Forces Model
d) Value Chain Analysis

ASSIGNMENT No-2

Que 1. Discuss various elements of MC Kinsey's 7-S Model.

Que 2.   What are the various characteristics of an effective control system?

PAPER - 10
INVENTORY MANAGEMENT

ASSIGNMENT No-1

Que 1. a) What is demand forecasting? Classify the various techniques of forecasting.

b) Explain Periodic Review system with its advantages.

Que 2. Discuss methods of disposal of surplus inventory.

ASSIGNMENT No-2

Que 1. What are the various control measures for keeping finished goods inventory under control?

Que 2. a) What are the various classifications of spare parts?

b) Define inventory valuation. What are the various methods of inventory valuations?

PAPER - 11
LOGISTICS AND SUPPLY CHAIN MANAGEMENT

ASSIGNMENT No-1

Que 1. a) Discuss the concept of logistics costs.

b) How e-Solutions help in achieving the objectives of a supply chain?

Que 2. Explain the various phases of customer service.

ASSIGNMENT No-2

Que 1. a) Define virtual warehousing. What are its salient aspects?

b) Discuss the goals of material handling.

Que 2. a) What is the difference between P-System and Q-System of inventory control?

b) Define Reverse Logistics. What are the various challenges of Reverse Logistics?

PAPER - 12
PACKAGING, DISTRIBUTION AND RETAIL S. C. MANAGEMENT

ASSIGNMENT No-1

Que 1. Write short note on (Any two)

a) 5 P's of packaging
b) Types of containers
c) Inland water transport
d) Palletisation for packaging and transport

Que 2. What are the various classifications of Railway Freight Rates?

ASSIGNMENT No-2

Que 1. What is bill of lading? What are the features of bill of lading?

Que 2. a) What is distribution control? What are the various strategies in an efficient control process?
b) Explain the need of an integrated approach for designing an organization for physical distribution.

PAPER - 13
RESEARCH METHODOLOGY

ASSIGNMENT No-1

Que 1. What are the criteria or characteristics of a good research?

Que 2. Determine the sample size if standard deviation of the population is 3.9, population mean is 36 and sample mean is 33 and the desired degree of precision is 99%.

ASSIGNMENT No-2

Que 1. What are the various characteristics of questionnaire? What are the different types of questionnaire?

Que 2. The weight of cement bags produced by Alpha Cement Company follows normal distribution whose population is infinite. The expected mean of the weight of the cement bags for sales of this population is 50 kg and its variance is unknown. The sales manager of the firm claims that the mean weight of the cement bags is significantly more than the expected mean weight of the population. So, he has selected a random sample of 64 bags and its mean and variance are found to be 50.4 kg and 0.64 kg respectively. Verify the intuition of the sales manager at a significance level of 0.10.

PAPER -15
STRATEGIC COST AND FINANCIAL MANAGEMENT

ASSIGNMENT No-1

Que 1. What are the objectives of financial management? Discuss the merits of profit maximization.

Que 2. If the expected cash flow are Rs. 1,000, Rs. 1,500 and Rs. 2,000 at the end of years 1,2 and 3, respectively, what will be their present values (value at the beginning of year 1, or t0) at 10% rate of interest?

ASSIGNMENT No-2

Que 1. a) Define warrants. What are the advantages of warrants?
   b) Compare financial and operating lease.
Que 2. The following information is available regarding the existing capital structure of a company:

	Amount (Rs)	Before-tax cost (%)
Equity share capital	400,000	15
Preference share capital	50,000	7
Long-term debt	300,000	10

The company wants to undertake an expansion project costing Rs. 250,000 which can be arranged at 11% from a financial institution. What is the minimum acceptable rate of return to the company in the case of the proposed expansion project? You may assume a 40% tax rate for the company.

PAPER-16
BUSINESS STATEGIES AND WORLD CLASS PRACTICES

ASSIGNMENT No-1

Que 1. Explain the Hall's framework of value added manufacturing.

Que 2. What are the Crosby's 14 steps of quality improvement plan?

ASSIGNMENT No-2

Que 1. Write short note on (Any two)

a) Kanban
b) POKE YOKE
c) Theory of constraints
d) Total Productive Maintenance

Que 2.Explain the TOPP System of performance measurement.

PAPER -17
ADVANCED SUPPLY CHAIN MANAGEMENT

ASSIGNMENT No-1

Que 1. Write short note on (Any two)

a) Exact Algorithm
b) Cross-Docking
c) Retailer Supplier Relationship
d) Order processing cycle

Que 2. What are the various inventory classification models? Explain anyone with a suitable example.

ASSIGNMENT No-2

Que 1. a) Discuss Supply Chain Alliances with their advantages and disadvantages.

   b) Explain total cost of ownership

Que 2. a) Explain the goals of supply chain information technology.

    b) Define service response logistics. What is the importance of it?

PAPER- 18.a
PROJECT MANAGEMENT

ASSIGNMENT No-1

Que 1. Write short note on (Any two)

   a) Gantt Chart
   b) Activity Diagram
   c) Matrix Management
   d) Application of Network Diagram

Que 2. a) Distinguish between PERT and CPM

   b) A new lathe at the Lazy Boy Furniture Factory costs $3000. Determine the Net Present Value NPV and the Internal Rate of Return IRR of the following expected revenue flow over the 4 year useful life (no salvage value) of the lathe if the prevailing yearly interest rate is 12%.

ASSIGNMENT No-2

Que 1. Consider the following task completion time and precedence for a project and answer the below questions

Task	Precedence
A	None
D	None
C	A
D	B,C
E	C,D

   a) Formulate the PERT precedence network for the project
   b) Use the most likely time for each task to determine the critical path (determine the ECT and LCT for each task).
   c) What is the project completion time?
   d) What is the probability that the project will finish sometimes between year 15 and year 22?

Que 2. a) Explain quality circle concept

   b) What are the importance of audit and review in project management?

PAPER- 18.b
DECISION SUPPORT SYSTEM

ASSIGNMENT No-1

Que 1. Compare and contrast between EDP, MIS and DSS

Que 2. Describe the Sprague and Watson DSS framework.

ASSIGNMENT No-2

Que 1. Explain the architecture of data warehouse. What are the benefits of having data warehouse architecture?

Que 2. a) What are the basic methods of performing data cleaning?

b) What are the various challenges of data integration?

PAPER- 18.C
OPERATIONS RESEARCH

ASSIGNMENT No-1

Que 1. Apply graphical method to solve LPP

Maximize $z = x1 - 2x2$
Subject to $-x1 + x2 \leq 1$
$6x1 + 4x2 \geq 24$
$0 \leq x1 \leq 5, \quad 2 \leq x1 \leq 4$

Que 2. Determine the basic feasible solution of the following transportation problem by using North – West corner method.

Source	D1	D2	D3	D4	Supply
	Distribution Centers				
S1	2	3	11	7	6
S2	1	0	6	1	1
S3	5	8	15	9	10
Requirements	7	5	3	2	

ASSIGNMENT No-2

Que 1. Discuss the trade-off between level of maintenance and maintenance cost.

Que 2.In a railway marshalling yard, goods trains arrive at a rate of 30 trains per day. Assume that the inter arrival time follows as exponential distribution and the service time distribution is also exponential with an average of 36 minutes. Calculate

1) The probability that the yard is empty.
2) Average queue length assuming that the line capacity of the yard is 9 trains.

PAPER-18.d
MARKETING MANAGEMENT

ASSIGNMENT No-1

Que 1. Define market segmentation. What are the factors affecting benefits of market segmentation?

Que 2. Write short note on (Any two)

a) Selling Versus marketing
b) TOWS Matrix
c) Free trade versus Protectionism
d) Positioning

ASSIGNMENT No-2

Que 1.What is pricing sensitivity? What are the factors that contribute to pricing sensitivity?

Que 2. a) What are the various factors influencing branding strategies?

b) Discuss the adoption process of an innovation.

PAPER-18.e
TOTAL QUALITY MANAGEMENT

ASSIGNMENT No-1

Que 1. Explain Juran's 10 steps of quality improvement.

Que 2. Write short note on (Any two)

a) SQC
b) Ishikawa's Statistical techniques to CWQC
c) Principles of TQC
d) Scatter Diagram

ASSIGNMENT No-2

Que 1. a) What are the characteristics of a good problem statement?

b) Define Run Chart. What are the steps involved in the construction of Run Chart?