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Answer all the Questions not exceeding <u>FOUR</u> pages each answer

PAPER-I: HUMAN RESOURCE MANAGEMENT

Answer all the Questions

(20 Marks)

Assignment   1

1. Explain the qualities and qualifications necessary for a HR Manager.
2. Define Selection. Discuss the steps in Scientific Selection Process.
3. What is compensation? Explain principles of wage administration.
4. Define Industrial relations and Explain the factors influencing Industrial relations.
5. What are the causes influences in the employees participation in management and its significances?

Assignment 2

1. What do you mean by environment in the context of HRM? Explain how it affects HRM policies.
2. Describe the Techniques and limitations of performance appraisal.
3. Explain about employees Incentives and Benefits.
4. Define Industrial Dispute. Describe the preventions and settlement of Disputes.
5. What is Collective bargaining? Explain the process of collective bargaining in Indian business organisation.

SCHOOL OF DISTANCE EDUCATION: ANDHRA UNIVERSITY
2nd Year of Three Year MBA
ASSIGNMENT QUESTION PAPER for supplementary students

PAPER-II: MARKETING MANAGEMENT

Answer all the Questions

(20 Marks)

Assignment   1

1. Explain different Components of Marketing Environment.
2. What is meant by Marketing Segmentations? What are the criteria of successful Market Segmentation?
3. Explain about product life cycle and its stages.
4. Explain the advantages and disadvantages of various components of product promotion.
5. Describe about Distribution. Explain the factors that affect the choice of channel of distribution.

Assignment   2

1. Explain the role of marketing in organization and the role in a developing economy.
2. Write about the types of market research and its applications
3. What is product mix? Explain the elements in product mix with examples.
4. Explain the importance of pricing and write about different pricing strategies.
5. Explain the selection procedure of channel members.

PAPER-III: FINANCIAL MANAGEMENT
Answer all the Questions

Assignment   1   (20 Marks)

1. Define Financial Management also explain finance functions.

2. What are the objectives of ratio analysis? Explain the managerial uses of BEP.

3. Explain traditional and DCF techniques of investment appraisal?
4. Explain the various factors which influences the dividend decision of a firm.
5. Describe the need and determinants of working capital in a business.

Assignment 2

1. What is Financial Planning? Explain its types and estimation of financial requirements?

2. From the following data, state which project is better

Project (Cash flows year)	A (Rs.)	B (Rs.)
0	-10,000	-10,000
1	4000	5000
2	4000	6000
3	2000	3000

Risk less Discount rate is 5%. Project A is less risky as compared to project-B. The management consider risk premium at 5% and 10% respectively appropriate for discounting the cash inflows.

3. KK Ltd. Company is thinking of buying an equipment for Rs.5,00,000. The equipment is expected to produce each year 20,000 units, 25,000 units 30,000 units and 18,000 units of Product X over its estimated life of four years. The price per unit is Rs.30, which is expected to increase by 5 percent per year after the first year. The cost of production per unit is first year is Rs.20 and is likely to increase by 10 percent each year. The general rate of inflation is 8 percent. The market determined cost of capital is 10 percent. The company tax rate is 50 percent. Assume that Depreciation can be charged on the straight line basis for computing taxes should the equipment by bought?

4. Ramkhee Limited earns Rs.8 per share, capitalization rate of 10% and has a return on investment at the rate of 20%. According to walter's model. What should be the price per share at 30% dividend payout ratio? Is this the optimum payout ratio as pee walter?

5. From the following detail estimate the amount of working capital within 10% safety margin:

i)	Average amount locked up for the stocks	
	Stock and materials	Rs. 10,000
	Finished goods	7,000
ii)	Average credit given	
	Inland sales – 6 weeks credit	Rs.5,20,000
	Export sales – 1 ½ weeks credit	Rs.80,000
iii)	Lag in payment of out goings:	
	Wages – 1 ½ weeks	Rs.5,00,000
	Stores – 1 ½ weeks	Rs.58,000
	Rent – 6 months	Rs.10,000
	Manager – ½ month	5,200
	Clerical staff – ½ month	68,500
	Other – 1 ½ months	32,000
iv)	Payment in advance	
	Sunday expanses	
	(Paid Quarterly in advance)	Rs.12,000
v)	Undrawn profits	Rs.14,000

PAPER-IV: OPERATIONS MANAGEMENT
Answer all the Questions

(20 Marks)

Assignment 1

1. What are the objectives of operations management and explain the types of manufacturing system with suitable examples?
2. Explain Gantt Chart with examples
3. What is Facility Location? What are the factors affecting.
4. What is Work Study? Discuss various Techniques, stages involved in work study.
5. Define Economic order quantity. Explain KANBAN system for inventory management..

Assignment 2

1. Explain the role of production and operations managers.
2. Define Maintenance. Distinguish between preventive maintenance and break down maintenance
3. Explain various material handling systems and factors impact.
4. Define Productivity. Explain major factors affecting productivity also explain Engineering and Behavioural approaches.
5. Explain the concept of ISO. What is the procedures to register ISO certification?

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PAPER-V: OPERATIONS RESEARCH
Answer all the Questions

(20 Marks)

Assignment   1

1. Given the linear programming problem,

Maximize $Z = 3x_1 + 5x_2$

Subject to $x_1 + x_2 \leq 1$

$2x_1 + 3x_2 \leq 1$

and $x_1, x_2 \geq 0$

2. National Oil Company (NOC) has three refineries and four depots. Transportation cost per ton, capacities and requirements are given below:

	D_1	D_2	D_3	D_4	Capacity (tonnes)
R_1	5	7	13	10	700
R_2	5	6	14	13	400
R_3	12	10	9	11	800

Requirement   200   600   700   400

Determine optimum allocation of output

3. Solve the following L.P.P. by dynamic programming:

Maximize $Z = 3x_1 + 4x_2$

Subject to the constraints: $2x_1 + x_2 \leq 40$

                                  $2x_1 + 5x_2 \leq 180$

                                  $X_1 \geq 0$ and $x_2 \geq 0$

4.   Solve the game Dominance whose pay off matrix is given by

$$A \begin{bmatrix} 10 & 5 & -2 \\ 13 & 12 & 15 \\ 16 & 14 & 10 \end{bmatrix}$$

.

5. An assembly line has three work stations. The time required for each station to complete its operation is as follows:

Time (minutes)	Station 1	Station 2	Station 3
4	0.25	0.10	0.05
5	0.25	0.30	0.25
6	0.25	0.40	0.25
7	0.25	0.20	0.45

The times given are the only values the operation times take on. Simulate the flow of 20 items through the assembly line. What is the average time that an item takes to go through all the operations?

Assignment 2

1. Use Dual Simplex method to solve the following linear programming problems:

   Minimize $Z = x_1 + x_2$
   Subject to the constraints:

   $$2x_1 + x_2 \geq 4$$
   $$x_1 + 7x_2 \geq 7$$
   $$x_1, x_2 \geq 0$$

2. Use samplex method to solve the following goal programming problems:

   Minimize $Z = P_1d_a{}^- + P_2 (2d_2{}^- + d_3{}^-) + P_3d_1{}^+$
   Subject to constraints

   $$x_1 + x_2 + d_1{}^- - s_1{}^+ = 400$$
   $$x_1 + d_2{}^- = 240$$
   $$x_2 + d_3{}^- = 300,$$
   $$x_1, x_2 \, d_1{}^-, d_1{}^+, d_2{}^-, d_3{}^- \geq 0$$

3. Use Branch and Bound method to solve the following LPP

   Maximize $Z = 4x_1 + 3x_2$
   Subject to constraints $5x_1 + 3x_2 \geq 30$
   $$X_1 \leq 4, \, x_2 \leq 6$$
   $X_1, x_2 \geq 0$ and are integers.

4. Consider a queueing system where arrivals are according to a poisson distribution with means. Find the expected waiting time in the system of the service time distribution is

   i) Uniform from t=5 min to t=15 mins.

   ii) Normal with mean 3 min and variance 4 min^2.

5. A project has the following time schedule:

Activity	Time in weeks	Activity	Time in weeks
1-2	2	4-6	3
1-3	2	5-8	1
1-4	1	6-9	5
2-5	4	7-8	4
3-6	8	8-9	3
3-7	5		

Construct PERT network and compute:
   i) Total float for each activity
   ii) Critical path and its duration.

PAPER-VI: INTERNATIONAL BUSINESS
Answer all the Questions

(20 Marks)

Assignment 1

1. Explain in detail the significance of International Business
2. What is Diseqilibrium? Explain the symptoms and effect of disequilibrium in BoP.
3. Explain the mechanism and role of Foreign Exchange Markets.
4. What are Special Economic Zones? Discuss their role in International Business?.
5. Distinguish the role of IMF and IBRD in the international markets.

Assignment 2

1. Explain various emerging trends in International Business and their impact on the domestic business.
2. Discuss various methods of correction of disequilibrium
3. Discuss the rupee convertibility and its implications on the India's Foreign Exchange..
4. Enumerate the export incentives given by government of India to promote global business.
5. Explain the problems of International Liquidity?