Subject Code: MB923

MBA II Semester [R09] Regular Examinations June 2010

Human Resource Management

Time: 3 Hours **Max Marks: 60**

Answer any FIVE questions All questions carry EQUAL marks
Question No: 8 is Compulsory (Case Study)

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1. Explain the significance of HRM in the modern changing business environment.
2. What do you mean by HRD? Discuss various HRD mechanisms.
3. Discuss various methods of performance appraisal.
4. What is the difference between wage and salary and explain various wage structure.
5. Explain the employee participation schemes in Indian organisation and also discuss its importance.
6. Discuss various statutory and non-statutory welfare measures in India.
7. Discuss various Human resource accounting practices in Indian organizations.
8. **Case Study: Compulsory**

One Monday morning Sarat, a recent recruit from a reputed management institute in Vijayawada walked into the sales office at Vizag as a new sales trainee. Raghu, the Zonal sales manager for a large computer hardware firm was there to greet him. Rahgu's job consisted of overseeing the work of sales officers, field executed and trainee salesman numbering over 50 of three areas namely Vizag, Chennai and Bangalore. The sales growth of computer parts and other office equipment in his area was highly satisfactory, especially in recent years, thanks to the developmental initiatives taken by respective State Governments in spreading computer education in offices, schools, colleges, banks and other institutions.

Raghu had collected several sales reports, catalogues and pamphlets describing in detail the types of office equipment sold by the company. After a pleasant chat about their backgrounds, Raghu gave Sarat the collected material and showed him to his assigned desk.

Thereafter Raghu excused himself and did not return. Sarat spent the whole day scanning the material and at 5.00 pm he picked up his things and went home.

Questions:

i) What do you think about Rahgu's training programme?
ii) What type of sales training programme would you suggest? Please specify.
iii) What method of training would have been best under the circumstances?

Subject Code: MA203

MBA II Semester [R07] Supplementary Examinations June 2010

Quantitative Analysis For Business Decisions

Time: 3 Hours **Max Marks: 60**

Answer any FIVE questions All questions carry EQUAL marks

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1. Explain the characteristic features and limitations of Operations Research. How far it is an important tool in decision making process.

2. A producer of lathes has estimated the following distribution of demand for a particular kind of lathe:

No. demanded:	0	1	2	3	4	5	6
Probability :	0.14	0.27	0.27	0.18	0.09	0.04	0.01

Each lathe costs him Rs.7000, and he sells them for Rs.10,000 and the unsold lathes are disposed off at the end of the season for Rs.6000 each. How many lathes should be in stock so as to maximize the expected profit.

3. What is degeneracy? Discuss a method for resolving degeneracy in Linear Programming problems.

4. Obtain an initial basic solution to the following Transport Problem using the matrix Minima method.

	D1	D2	D3	D4	Capacity
O1	1	2	3	4	6
O2	4	3	2	0	8
O3	0	2	2	1	10
Demand	4	6	8	10	

5. Explain the principal of dominance and hence solve the following game:

		Player B		
		I	II	III
Player A	1	6	8	6
	2	4	12	2

6. Explain what do you mean by Poisson process. Derive the Poisson distribution, given that the probability of a single arrival during small time interval Δt is $\lambda \Delta t$ and that of more than one arrival is negligible.

7. Explain the Monte-Carlo techniques and its limitations.

8. What is Critical Path Analysis? Describe with an example, its utility in project management and control.

Subject Code: MA203

MBA II Semester [R05] Supplementary Examinations June 2010

Quantitative Analysis For Business Decisions

Time: 3 Hours **Max Marks: 60**

Answer any FIVE questions All questions carry EQUAL marks

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1. Discuss the scope and importance of Operations Research.
2. What are decision trees? How and what types of situations are they employed for decision - making.
3. Solve the following L.P problem by Simplex method:
   Maximise $z = 3x_1 + 2x_2$ subject to the constraints :
   $$x_1 + x_2 \leq 4,\ x_1 - x_2 \leq 2 \text{ and } x1, x2 \geq 0.$$
4. (a)What is a Transportation Problem?
   (b) Describe the matrix of the transportation problem with 2 origins and 2 destinations.
5. (a) What are the assumptions made under Game theory.
   (b) Find out whether there is any saddle point in the following game:

Player B

$$\text{Player A} \begin{bmatrix} -3 & 1 \\ 3 & -1 \end{bmatrix}$$

6. What do you understand by a queue? Give some important applications of queuing theory.
7. Arrivals of a service station have found to follow Poisson process. The mean arrival rate is $\lambda = 6$ units per hour. Simulate five hours of arrivals at the station.
8. Explain in brief the following terms in the network of PERT/CPM.
   (i) Activity (ii) Event (iii) Dummy activity (iv) Critical Path