MBA HOSPITAL AND HEALTH SYSTEM
MANAGEMENT DEGREE EXAMINATION
FIRST YEAR
(for candidates 2011 – 2012 onwards)
PAPER III – BIO-STATISTICS AND OPERATION RESEARCH
Q.P. Code : 432033

Time : 3 hours   Maximum : 100 marks
    (180 Min)

Answer ALL questions in the same order.

I. Elaborate on :   **Pages Time Marks**
                                                              (Max.)(Max.)(Max.)

1. A company faced with 2 the problem of assigning 6 different
   Machines and 5 different jobs. The cost of estimated as follows
   (100 Rs.).   17   40   20

		Jobs				
		1	2	3	4	5
Machines	1	2.5	5	1	6	1
	2	2	5	1.5	7	3
	3	3	6.5	2	8	3
	4	3.5	6.5	2	9	4.5
	5	3.5	7	3	9	6
	6	6	9	5	10	6

Solve the problem assuming that the object is minimizing the total cost.

2. 100 students randomly selected from the 1000 students enrolled
   in a MBA programme were cross-classified by age and grade point.
   According, the following data were completed.   17   40   20

Grade Point	25and under	26-28	Over 28
Upto 3.0	6	9	5
3.1 to 3.5	18	14	8
3.6 to 4.0	11	12	17

II. Write notes on :

1. Define statistics. Discuss its functions and limitations.	4	10	6
2. What are the advantages of diagrammatic representation of data.	4	10	6
3. Briefly explain the scale of measurements.	4	10	6
4. Bring out the merits and demerits of mean deviation.	4	10	6
5. What you meant by regression analysis. How does it help in decision making?	4	10	6
6. Write a short note a estimation for large and small sample test.	4	10	6
7. Explain the techniques of operation research.	4	10	6
8. Explain the various methods transportation models.	4	10	6
9. Explain the approach of Human Resource management.	4	10	6
10. Explain the uses of computers in handling information.	4	10	6

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