Code No. 1083

FACULTY OF MANAGEMENT

MBA II – Semester Examination, July / August 2016

Subject: Operations Management

Course No. 2.6

Time: 3 Hours   Max. Marks: 80

PART – A (10x2 = 20 Marks)
[Short Answer Type]

Note: Answer all the questions.

1. Write short notes on the following.

  a) Production cycle

  b) Job shop

  c) Product sequencing

  d) Types of layout

  e) Quality circles

  f) Control chart

  g) Make or buy decisions

  h) Waste Management

  i) ABC analysis

  j) Safety stock

PART – B (5x12 = 60 Marks)
[Essay Answer Type]

Note: Answer all the questions using internal choice.

2 a) What is production planning? What are the important functions of production planning?

OR

  b) Examine the relationship between product life cycle and process life cycle.

3 a) What factors influence the location of a plant?

OR

  b) Obtain the optimum job sequence, the minimum elapsed time for the following:

Job	Operation time in minutes		
	M_1	M_2	M_3
A	10	11	14
B	15	12	16
C	14	8	12
D	12	9	13
E	11	10	17

…2.

4   a)   Following is the record of defectives observed during the inspection of a component. Draw the relevant control chart and comment.

Sample No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Sample size	25	50	45	55	35	40	50	65	30	25	55	40	50	25	40
No. of defectives	3	5	1	2	0	1	9	2	3	2	5	4	3	2	2

    b)   Outline the various methods available for work measurement.

5   a)   What do you understand by vendor rating? Outline the determinants of vendor rating.
                                          OR
    b)   Critically examine the need and importance of materials management.

6   a)   What is value analysis? How does value analysis help in cost reduction?
                                          OR
    b)   Perform ABC analysis on the following sample of items.

Item	Annual consumption	Price / unit in Rs.
A	300	0.10
B	2800	0.15
C	30	0.10
D	1100	0.05
E	40	0.05
F	220	1.00
G	150	0.05
H	800	0.05
I	600	0.15
J	80	0.10

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