

**R15**
**Code No: 723AA**
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**
**MBA III Semester Examinations, December - 2018**
**PRODUCTION AND OPERATIONS MANAGEMENT**
**Time: 3 hours**
**Max.Marks:75**
**Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A**
**5 × 5 Marks =25**

1. Write notes on the following:

- |                             |     |
|-----------------------------|-----|
| a) Job shop production      | [5] |
| b) Standardization          | [5] |
| c) Group technology lay out | [5] |
| d) Machine scheduling       | [5] |
| e) Store Accounting         | [5] |

**PART - B**
**5 × 10 Marks = 50**

2. Explain the nature, scope and importance of Production and Operation Management. [10]

**OR**

3. Write on the impact of functional strategies on production system. [10]

4. What is value engineering? What is the step by step approach to value engineering? [10]

**OR**

5. Elucidate the steps of Process planning. [10]

6. Discuss the single and multi facility location problems with examples. [10]

**OR**

7. Describe the Plant lay out design procedure in detail. [10]

8. Explain the concept and importance of scheduling. [10]

**OR**

9. A company is faced with five tasks which have to be processed through two machines. Find the idle time by using Johnson's rule. Also find out the total time span for completing all the jobs. [10]

Tasks	Machine 1	Machine 2
A	4	2
B	3	5
C	5	1
D	7	3
E	8	6



10. Write short notes on  
a) Purchase Management  
b) Stores Management  
c) Inventory control.

[3+3+4]

**OR**

11. Explain the ABC analysis in detail with example.

[10]

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