

Code No: 125EF**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year I Semester Examinations, May - 2018****MANAGEMENT SCIENCE****(Common to AE, EEE)****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**(25 Marks)**

1. Write a brief note on each of the following:
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|---------------------|-----|
| a) Organization | [2] |
| b) Theory Y | [3] |
| c) Work measurement | [2] |
| d) JIT system | [3] |
| e) HRD | [2] |
| f) Selection | [3] |
| g) Project | [2] |
| h) Project crashing | [3] |
| i) Goals | [2] |
| j) Strategy | [3] |

PART - B**(50 Marks)**

- 2.a) Outline the significance of Taylor's scientific management.
b) Distinguish between the departmentalization and decentralization. [5+5]
- OR**
- 3.a) Describe the importance of management.
b) What are the steps involved for designing an organization structure? Explain. [5+5]
- 4.a) What are the methods of production? Elucidate.
b) Explain the various stages of product life cycle. [5+5]
- OR**
- 5.a) Bring out the importance of six sigma.
b) Narrate the advantages and limitations of ABC analysis. [5+5]
- 6.a) Elucidate the various methods of recruitment.
b) Explain the objectives of wage and salary administration. [5+5]
- OR**
- 7.a) Enumerate the procedure of grievance handling.
b) What are the capability maturity model levels? Explain. [5+5]

- 8.a) How are 'Activities' classified? Establish their relationship.
b) Explain the concepts 'EST, EFT, LST, LFT', 'free float' and 'Independent float'. [5+5]

OR

- 9.a) Narrate the importance of project cost analysis.
b) Enumerate the procedure of PERT. [5+5]
- 10.a) Discuss the objectives of value chain analysis.
b) Elucidate the importance of environmental scanning. [5+5]

OR

- 11.a) Explain the various forms of strategy programmes.
b) Outline the merits and demerits of generic strategy alternatives. [5+5]

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