

**R18**

Code No: 156DV

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, August/September - 2021**

**INDUSTRIAL MANAGEMENT**  
(Common to CE, ME, ECE, MIE)

**Time: 3 Hours**

**Max. Marks: 75**

**Answer any five questions**  
**All questions carry equal marks**

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1.a) Discuss the principles of Taylor's Scientific Management and explain the limitations.

b) Explain the functions of management and discuss the role of a manager. [8+7]

2.a) Discuss the role of a leader in the 21<sup>st</sup> century world related to manufacturing industry.

b) Explain the importance of Hertz Berg's two factor theory. [8+7]

3.a) What is departmentation? Explain the bases of departmentation.

b) What are the advantages and disadvantages of lean and flat organization structure? Explain. [7+8]

4.a) Decentralization is more effective than centralization. Comment on the statement.

b) Explain functional organization, committee organization with their merits and demerits. [7+8]

5.a) Explain Job and Batch production along with merits and demerits.

b) Explain the types of value analysis and discuss their major applications. [7+8]

6.a) Discuss the types of plant layout with suitable examples and discuss the applications.

b) What are the objectives of values analysis? Describe. [8+7]

7.a) Define work study. Explain the steps in work study along with their importance.

b) What are control charts for attributes? Explain with examples. [8+7]

8.a) Explain the assumptions of PERT and CPM.

b) Discuss how project cost analysis helps in completing the project. [7+8]

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