

Code No: 156DV

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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

INDUSTRIAL MANAGEMENT

(Common to EEE, CSE, IT)

Time: 3 Hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks

- 1.a) How will you explain and justify deficiency needs and growth needs in Maslow's Theory?
b) What is Administrative Theory? Also explain this theory with the help of example. [7+8]
- 2.a) Define management and discuss the functions of management.
b) What are the key roles of leadership styles in industries? [7+8]
- 3.a) How open boundary structures used in the organization and brief on departmentalization.
b) Explore the key differences between lean and traditional organizational structures. [8+7]
- 4.a) Examine the impact of decentralization on organization process.
b) What are the essential steps for designing the organization structure and brief on types of organizational structures? [7+8]
- 5.a) What principles must be kept in view while designing the plant layout?
b) What are the advantages and disadvantages of process layout? [8+7]
- 6.a) What are various methods used in industry to accomplish the assembly processes?
b) What are the phases and merits of value analysis? [8+7]
- 7.a) Explain the benefits of work study and what is the procedure of stop watch time study?
b) Explain pre-determined motion time system with the help of example and what is the role of Work Study in Improving Productivity? [7+8]
- 8.a) A project has activities with the following normal and crash times and cost. Draw the network diagram for the following information:

Activity	Predecessor activity	Normal time (Weeks)	Crash time (Weeks)	Normal cost (Rs.)	Crash cost (Rs.)
A	-	4	3	8,000	9,000
B	A	5	3	16,000	20,000
C	A	4	3	12,000	13,000
D	B	6	5	34,000	35,000
E	C	6	4	42,000	44,000
F	D	5	4	16,000	16,500
G	E	7	4	66,000	72,000
H	G	4	3	2,000	5,000

- b) Determine a crashing scheme for the above project so that the total project time is reduced by 3 weeks. [8+7]

---ooOoo---