

Code: 20HS7701F

IV B.Tech - I Semester – Regular Examinations - DECEMBER 2023

INDUSTRIAL ENGINEERING MANAGEMENT
(Common for ALL BRANCHES)

Duration: 3 hours

Max. Marks: 70

Note: 1. This paper contains questions from 5 units of Syllabus. Each unit carries 14 marks and have an internal choice of Questions.

2. All parts of Question must be answered in one place.

BL – Blooms Level

CO – Course Outcome

			BL	CO	Max. Marks
UNIT-I					
1	a)	Explain the role of industrial engineer in a factory.	L2	CO1	7 M
	b)	Discuss the Fayols’s 14 principles of management.	L2	CO1	7 M
OR					
2	a)	Describe Hertzberg’s Two Factor Theory of Motivation.	L2	CO1	7 M
	b)	Distinguish between Line and Staff organization with suitable example.	L2	CO1	7 M
UNIT-II					
3	a)	Elaborate on the factors affecting plant location.	L1	CO2	7 M
	b)	What are the traits and approach to leadership?	L1	CO2	7 M

OR					
4	a)	Compare between rural and urban sites for plant location.	L2	CO2	7 M
	b)	Explain about Travel chart with an example.	L2	CO2	7 M
UNIT-III					
5	a)	Where are X bar and R charts used.	L2	CO3	7 M
	b)	“In-process inspection is better than final inspection”. Justify.	L2	CO3	7 M
OR					
6	a)	Differentiate between assignable and non-assignable causes.	L2	CO3	7 M
	b)	What is Statistical Quality Control? Explain.	L2	CO3	7 M
UNIT-IV					
7	a)	What is a SIMO chart? Explain.	L2	CO4	7 M
	b)	Explain about performance rating.	L2	CO4	7 M
OR					
8	a)	What do you mean by time study?	L2	CO4	7 M
	b)	What are the objectives of work study?	L2	CO4	7 M
UNIT-V					
9	a)	What do you mean by a deterministic model?	L1	CO5	7 M
	b)	Elaborate on probabilistic model of project management.	L1	CO5	7 M

OR

10	a)	What is meant by crashing of simple networks?	L2	CO5	7 M
	b)	Distinguish between different network modeling techniques in project management.	L2	CO5	7 M