

Code: 20HS7701G

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

PROJECT 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)	Summarise who is a Project Manager? Explain various roles of a Project Manager.	L2	CO1	7 M
	b)	Discuss about different types of characteristics of a Project in detail.	L2	CO1	7 M
OR					
2	a)	Explain about various opportunities come across to the Project Manager.	L2	CO1	7 M
	b)	Discuss about various steps involved in Project report process.	L2	CO1	7 M
UNIT-II					
3	a)	Explain various types of Firm Risks.	L2	CO2	7 M
	b)	Discuss about the projects with not quantifiable benefits with examples.	L2	CO2	7 M
OR					
4	a)	Relate the security market risk and Interest rate risks with examples.	L2	CO2	7 M

	b)	Classify the purchase power risk and Financial risks with a case study.	L2	CO2	7 M	
UNIT-III						
5	a)	Relate the various limitations of SCBA.	L3	CO3	7 M	
	b)	Discuss about Little Mirrless approach with an example.	L3	CO3	7 M	
OR						
6	a)	Construct the procedure for social cost benefit analysis.	L3	CO3	7 M	
	b)	Explain about main features of Social cost benefit analysis.	L3	CO3	7 M	
UNIT-IV						
7	Solve the given project in finding its total completion time by using the following data given in table.		L4	CO4	14 M	
	a) Develop a network diagram.					
	b) Calculate total completion time of the project.					
	c) Identify critical paths and identify slacks for every activity.					
	Activity/Event	Immediate Predecessors				Normal Time (Weeks)
	A (01-04)	–				14
	B (01-02)	–				08
	C (02-04)	B				05
	D (02-03)	B				06
E (02-05)	B	08				
F (05-06)	E	05				
G (04-06)	A,C,D	12				

OR

8	A project has a list of tasks to be performed whose time estimates are given in the following table:			L4	CO4	14 M	
	Activity	T _o (days)	T _m (days)				T _p (days)
	1- 2	5	6				15
	1-3	3	5				14
	2-4	1	4				7
	3-4	2	5				9
a) Develop a network diagram.							
b) Calculate total completion time, critical paths, total float of the project.							
c) What is the probability of completing the project within 12 days?							

UNIT-V

9	a)	Illustrate the Financial analysis of a Project with its significance.	L3	CO5	7 M
	b)	Explain various types of Environmental dimensions of a Project.	L3	CO5	7 M

OR

10	a)	Interpret the Technical analysis of a Project by considering Location, Site and layouts.	L3	CO5	7 M
	b)	Discuss in detail about various types of Environmental Impact Assessment Methodologies of a project.	L2	CO5	7 M