PRN:		Course Code :	UE4025

Final Year B. Tech End Semester Examination Summer 2023

Project Management

Day and Date: Tuesday, 13/06/2023 Max Marks: **100**

Time : 2.00 to 5.00 PM Duration: **03** hrs

Instructions: 1. All questions are compulsory.
2. Use of Non-Programmable calculator is allowed.

		Marks	Bloom's Level	CO
Q.1	**Attempt the following.**			
a)	Explain the skills of Project manager	08	2	1
b)	Explain project charter stating its importance in PM	08	3	1
	OR			
b)	Discuss knowledge areas of Project Management	08	2	1
Q.2	**Attempt the following.**			
a)	Explain work breakdown structure (WBS) with a chart	08	2	2
b)	Explain project identification and screening with example	08	2	2
	OR			
b)	Explain dimensions of project identification	08	2	2
Q.3	**Attempt any Two from the following.**			
a)	What do you mean by Critical Path Method? What are its advantages and disadvantages	08	2	3
b)	The following details are available regarding a project	08	3	3

Activity	Predecessor Activity	Duration (Weeks)
A	-	3
B	A	5
C	A	7
D	B	10
E	C	5
F	D,E	4

Determine the critical path, the critical activities and the project completion time

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c) The manager of a company wants to apply crashing for the following project by spending an additional amount not exceeding Rs, 2000. Suggest how this can be accomplished.

Activity	Predecessor Activity	Normal Time (Weeks)	Crash Time (Weeks)	Normal Cost (Rs.)	Crash Cost (Rs.)
A	-	20	19	8,000	10,000
B	-	15	14	16,000	19,000
C	A	22	20	13,000	14,000
D	A	17	15	7,500	9,000
E	B	19	18	4,000	5,000
F	C	28	27	3,000	4,000
G	D, E	25	24	12,000	13,000

08 3 3

Q.4 **Attempt any Two from the following.**

a) Explain risk management principle 08 2 1

b) Explain how all the individual risks at the phase level are interlinked 08 2 1

c) Explain how level of risk varies with amount of stake with a figure 08 2 1

Q.5 **Attempt any Two of the following.**

a) Write a short note on quotation and comparative statement 09 2 4

b) What are the stages of the contract management process? 09 2 4

c) What do you mean by performance measurement of individual in project management? List out the advantages and disadvantages 09 2 4

Q.6 **Attempt any Two of the following.**

a) What is project execution? List parts of a project execution plan 09 2 5

b) What are the main goals of the project execution phase? 09 2 5

c) What is project close-out and discuss the check list of closing the project 09 2 5

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