Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2022

Course: Project Management Semester: VI

Program: B. Com. (BM&I), B. Com. (HONS), B.COM (TAX.), BBA (ABD), BBA (CORE-HRM),

BBA (CORE-MKTG), BBA (CORE-OM), BBA (DM), BBA (FAS), BBA (FBE), BB

Course Code: LSCM 3001

Time: 03 Hrs.

Max. Marks: 100

Instructions: Usage of calculator and graph paper allowed.

SECTION A 10Qx2M=20Marks

S. No.		Marks	CO
Q 1	Fill in the blanks, each carries 2 marks.		
1.1	A project is a series of directed to accomplishment of a desired objective.	2	CO1
1.2	PMI stands for	2	CO1
1.3	The most hectic phase of the project life cycle is	2	CO1
1.4	The network analysis method that allows activity times to vary is	2	CO1
1.5	is the amount of time an individual activity in a network can be delayed without delaying the entire project.	2	CO1
1.6	lists the activities on the vertical axis and time intervals on the horizontal axis.	2	CO1
1.7	A project organization that becomes permanent is referred as	2	CO1
1.8	The triple constraints of project management are - Time, and Scope.	2	CO1
1.9	defines the project scope, the project goals, name the project manager, his directing authority and request co-operation of all concerned in execution of the project.	2	CO1
1.10	The shape of time versus cumulative cost curve is	2	CO1
SECTIO 4Qx5M	DN B = 20 Marks	<u> </u>	1
2.1	Distinguish between CPM and PERT.	5	CO2
2.2	How financial institutions appraise projects?	5	CO2
2.3	Explain the working of a Matrix Organization for executing projects.	5	CO2
2.4	Discuss the challenges in managing projects in digital era.	5	CO2

								ON-C 0 Ma								
3.1		Describe the impact of large infrastructure project on society and economic development of a country giving examples from India.												10	CO3	
3.2	Mr. John has a project to be completed in 100 days, and the budget is USD 1000. After 50 days have passed and USD 700 has been spent with 60% of the work completed. What is the cost variance, cost performance index, and schedule performance index?													10	CO3	
3.3	Why do we need contracts for executing projects? How will you check the validity of a contract?													10	CO3	
								ON-D								
4.1	A project consists of 12 activities whose precedence relationships and their time estimates are shown as follows:															
		CTIVITY	A	В	С	D	E	F	G	Н	I	J	K	L		CO4
	Immediate	Predecessor(s)	-	-	-	A	A	B,E	C	С	D	F,G	Н	K		
	Time Estimates	Optimistic (a) Most likely (m)	6	3	5	10	5	5 6	5 8	8	7	10	3	5	15	
		Pessimistic (b)	8	4	5	12	6	7	11	10	13	12	4	6		
	a) Find the duration and variance of each activity.b) Draw the project network.c) Find the critical path & corresponding expected project completion time.															
4.2	A network of Activity A B C D E F G H I J K a) b)	A network consists of the following activities and duration are given in weeks. Activity Predecessor Duration							15	CO4						