Name:

Enrolment No:



Semester: IV

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2022

Course: Project Management & Contract Administration

Program: MBA (FM/HRM/MKTG/OPM)

Course code: LSCM 8001 **Time: 03 Hours**

	urse code: LSCM 8001 Max. Marks: 100				
Instruct	ions: Use of calculator is allowed SECTION A				
Q 1	Answer in brief, precise and pointwise.	Marks	СО		
	a) Project	2	CO		
	b) Triple Constraints of Project Management	2	_		
	c) PMBOK				
	d) Network	2			
	e) PERT	2	~~1		
	f) Three dimensions of Risk	2	CO1		
	g) IRR	2			
	h) Project Procurement	2			
	i) WBS	2			
	j) Types of Cost reserves	2			
	SECTION B (Write short notes)				
Q 2 (a)	Project Sponsor	5	CO2		
Q 2 (b)	PM Process Groups	5	CO2		
Q 2 (c)	Types of Contract	5	CO2		
Q 2 (d)	PM in Digital Era	5	CO2		
	SECTION-C	1			
Q 3 (a)	Identify the specific outcomes of different stages of project life cycle and comment on the changes in various characteristics during project life cycle.	10	CO3		
Q 3 (b)	Discuss the major causes of project failures and delay in India with special reference to public sector projects.	10	CO3		
Q 3 (c)	A project consists of 12 activities whose precedence relationships and their time estimates are shown as follows:	10	CO3		
	ACTIVITY Immediate Time Estimates (Weeks)				

	Predecessor(s)	Optimistic (a)	Most Likely (m)	Pessimistic (b)
A	-	4	6	8
В	-	2	3	4
С	-	5	5	5
D	A	8	10	12
Е	A	4	5	6
F	B,E	5	6	7
G	С	5	8	11
Н	С	6	8	10
I	D	7	7	13
J	F,G	8	10	12
K	Н	2	3	4
L	K	4	5	6

- (i) Find the duration and variance of each activity.
 (ii) Draw the project network.
 (iii) Find the critical path & corresponding expected project

	(iii) time	Find the critice.	our puin ee ee	ar cop on anna c	ripotota projet			
			SEC	CTION-D		<u>'</u>		
Q 4 (a)	Consider th	e data of a project	shown in the f	ollowing table				
	Activity	Immediate	Time (weeks)		Cost (Rs.)			
	predecessor(s)	Normal	Crash	Normal	Crash			
	A	-	8	6	4000	4300		
	В	-	5	4	3000	3150	15	
	С	-	10	8	6000	6800		
	D	A	6	5	4000	4200		CO4
	Е	С	7	7	5000	-		
	F	D	9	7	7000	7550		
	G	B,E	3	2	2000	2100		
	If the indirect cost per week is Rs. 350, then prepare the project plan if it is a purely business project solely guided by cost constraint.							
Q 4 (b)	What will be your plan if it is an emergency with only objective to reduce the project duration?						15	CO4