Name: Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2022

Course: Project Management **Semester: IV**
Program: BBA (LM) **Time: 03 Hours**
Course code: LSCM 3001 **Max. Marks: 100**
Instructions: Use of calculator is allowed

SECTION A (Fill in the blanks)

		Marks	CO
Q 1	Explain the following terms in one line: a) Project Life Span b) S Curve c) Market share d) EIA e) Contract f) PMI g) Force Majeure h) NPV i) Cost Overrun j) WACC	**2*10 = 20**	**CO 1**
	SECTION B		
Q 2 (a)	Present a sector wise classification of projects.	**5**	**CO 2**
Q 2 (b)	Distinguish between CPM & PERT.	**5**	**CO 2**
Q 2 (c)	Summarize the positive & negative social impacts of projects.	**5**	**CO 2**
Q 2 (d)	Write short note on working of a Totally Projectized Organization.	**5**	**CO 2**
	SECTION-C		
Q 3 (a)	Why contracts are required in projects? How we will determine the validity of a contract (essential elements)? Give a classification of contracts.	**10**	**CO3**
Q 3 (b)	How project technical and environmental feasibility study is conducted for any transportation sector project?	**10**	**CO3**

Q 3 (c) A project consists of 12 activities whose precedence relationships and their time estimates (in days) are shown as follows:

ACTIVITY	A	B	C	D	E	F	G	H	I	J	K	L
Immediate predecessor(s)	-	-	-	A	A	B, E	C	C	D	F, G	H	K
Optimistic (a)	4	2	5	8	4	5	5	6	7	8	2	4
Most Likely (m)	6	3	5	10	5	6	8	8	7	10	3	5
Pessimistic (b)	8	4	5	12	6	7	11	10	13	12	4	6

Find the expected project completion time.

10 **CO3**

SECTION-D

Q 4 (a) The following table gives the data on a project. (total cost in thousand Rupees)

Activity	Description	Predecessor(s)	Duration (Weeks)	Total Cost
H	Basic design	-	10	100
I	Hardware design for A	H	8	64
J	Hardware design for B	H	6	96
K	Drawings for B	J	4	16
L	Software specifications	J	2	36
M	Parts purchase for B	J	4	84
N	Parts purchase for A	I	4	80
O	Drawings for A	I	5	50
P	Installation drawings	I,J	5	60
Q	Software purchases	L	5	80
R	Delivery of parts for B	M	5	0
S	Delivery of parts for A	N	3	0
T	Software delivery	Q	3	0
U	Assembly of A	O,S	1	14
V	Assembly of B	K,R	5	80
W	Test A	U	2	24
X	Test B	V	3	36
Y	Final Installation	P,W,X	8	104
Z	Final system test	Y,T	6	66

Plan the project execution using Gantt chart.

15 **CO 4**

Q 4 (b) Draw the project cost baseline of the same project.

15 **CO4**