Name:

Enrolment No:

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, December 2020

Course : Project Management **Semester: I**
Programme : BBA (LM) + B. Com (Tax) **Time: 03 hrs.**
Course Code: LSCM 3001 **Max. Marks: 100**

Instructions: All questions are compulsory

SECTION A (30 Marks)

1. Each Question will carry 5 Marks
2. Answer the following questions pointwise strictly.

S. No.		Marks	CO
Q 1	Project is a _____ endeavor undertaken to create unique _____ or _____.	5	CO 1
Q 2	What are the triple constraints of the Project Management?	5	CO 1
Q 3	Name any three 3 types of organizations suitable for executing projects	5	CO 1
Q 4	Define Authority, Responsibility & Accountability in context of delegation in projects.	5	CO 1
Q 5	Classification of Projects according to Financial Institutions.	5	CO 1
Q 6	What are the essential elements of a contract?	5	CO 1

SECTION B (50 Marks)

1. Each question will carry 10 marks
2. Instruction: Answer precisely, write legibly and stepwise.

Q 7	How the concept of time value of money is applied in financial evaluation of projects?	**10**	**CO2**
Q 8	Draw the network diagram of the following project.	**10**	**CO2**

ACTIVITY ID	PRECEDENCE	DURATION (WEEKS)
A	-	4
B	A	3
C	A	1
D	B,C	2
E	D	2
F	E	8
G	B	1
H	D	2
J	F,G,H	6
K	H	4
L	K	1
M	J,L	2

Q 9	Find critical path and minimum time required to complete the above project.	**10**	**CO2**
Q 10	Estimate the installation cost of a plant to be constructed now of annual capacity 2000 tones at new location (location index = 157); given that the installation cost of an existing plant at a location (with location index = 106) of annual capacity 1000 tones was Rs. 25 Crores, which was constructed in 2010. [Cost index (2020) = 2683, Cost index (2010) = 1087]. Using (a) Investment per Annual tonne Capacity Method (b) Six-tenth Factor Method	**10**	**CO2**
Q 11	How & when Force majeure clause is enacted in a project contract.	**10**	**CO3**
SECTION-C (20 marks) **1. Read the following project financing description carefully.** **2. Instruction: Solve systematically showing sample calculations and write legibly.**			
Q 12	The capital investment of Rs. 1,80,00,000 for a project is sourced from following different sources: Source — Amount (Rs.) — Cost Equity capital — 60,00,000 — 15% Preference Capital — 30,00,000 — 14% Debentures — 30,00,000 — 12% Remaining capital requirement are met through term loans got at 8% interest rate. The projected annual cash inflows during the project life are as follows: Year — Cash Inflow 1 — 25,00,000 2 — 50,00,000 3 — 75,00,000 4 — 50,00,000 5 — 25,00,000 The salvage value at the end of project life is Rs. 25,00,000; which will be available at the end of sixth year only. Calculate the Net Present Value of (NPV) and comment on the financial feasibility of the project under different conditions.	**20**	**CO 3**