Name: **Enrolment No:**	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2023

Course: Project Management **Semester: IV**
Program: BBA (LM) **Time: 03 Hrs.**
Course Code: LSCM 2018 **Max. Marks: 100**
Instructions: Usage of calculator allowed.

SECTION A
10Qx2M=20Marks

S. No.		Marks	CO
Q 1	**Define/explain the following terms in one or two lines**.		
1.1	Greenfield Project	**2**	**CO1**
1.2	PMI	**2**	**CO1**
1.3	Project Manual	**2**	**CO1**
1.4	IRR	**2**	**CO1**
1.5	Authority	**2**	**CO1**
1.6	EIA	**2**	**CO1**
1.7	Network	**2**	**CO1**
1.8	CPM	**2**	**CO1**
1.9	Force Majeure	**2**	**CO1**
1.10	EPC project	**2**	**CO1**

SECTION B
4Qx5M= 20 Marks

2.1	Distinguish between product scope and project scope.	**5**	**CO2**
2.2	How financial institutions appraise projects?	**5**	**CO2**
2.3	Compare the merits & demerits of deputy an internal person or an external expert for managing projects.	**5**	**CO2**
2.4	Discuss the challenges in managing projects in digital era.	**5**	**CO2**

<table>
<tr><td colspan="4">SECTION-C
3Qx10M=30 Marks</td></tr>
<tr><td>3.1</td><td>Discuss the key features of infrastructure projects. Also give an overview of typical organization for infrastructure project.</td><td>10</td><td>CO3</td></tr>
<tr><td>3.2</td><td>Critically examine the ill impacts of project cost over estimation & underestimation. Briefly explain the cost engineering approach for project cost estimation.</td><td>10</td><td>CO3</td></tr>
<tr><td>3.3</td><td>The initial investment in a project is Rs. 1 Crore and projected to generate cash flows of Rs. 10 Lakhs, Rs. 20 Lakhs, Rs. 30 Lakhs, Rs. 40 Lakhs & Rs. 50 Lakhs at the end of each year for next 5 years. If the cost of capital is 12%, should the project be accepted?</td><td>10</td><td>CO3</td></tr>
<tr><td colspan="4">SECTION-D
2Qx15M= 30 Marks</td></tr>
<tr><td>4.1</td><td>Consider the data of a project shown in the following table.
<table><tr><th>Activity</th><th>Immediate Predecessors</th><th>Duration (Weeks)</th><th>Activity Cost (Rs. Lakhs)</th></tr><tr><td>A</td><td>-</td><td>8</td><td>8</td></tr><tr><td>B</td><td>-</td><td>2</td><td>8</td></tr><tr><td>C</td><td>B</td><td>5</td><td>10</td></tr><tr><td>D</td><td>C</td><td>6</td><td>9</td></tr><tr><td>E</td><td>A</td><td>4</td><td>12</td></tr><tr><td>F</td><td>D,E</td><td>4</td><td>6</td></tr><tr><td>G</td><td>D,E</td><td>1</td><td>1</td></tr><tr><td>H</td><td>F</td><td>3</td><td>6</td></tr></table>If the indirect cost per week is Rs. 1 Lakh, find the total project cost.</td><td>15</td><td>CO4</td></tr>
<tr><td>4.2</td><td>Critically examine the contribution of Infrastructure, Energy & Transportation projects in the economic growth & development of a country.</td><td>15</td><td>CO4</td></tr>
</table>