

Name:

Enrolment No:



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**Online End Semester Examination, May 2021**

**Course : Project Management**

**Semester: VI**

**Program : BBA (OG/HRM/E-Business) + B. Com (Hons.) & B. Com (BMI) Time: 03 hrs.**

**Course Code: LSCM 3001**

**Max. Marks: 100**

**Instructions: All questions are compulsory**

**SECTION A (30 Marks)**

**1. Each Question carries 5 Marks**

**2. Choose the correct option.**

S. No.		Marks	CO
Q 1	A project is a _____ endeavor undertaken to create a "unique" product, service or result. (a) temporary (b) permanent (c) secret (d) risky	5	CO 1
Q 2	_____ 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. (a) Project Manual (b) project Charter (c) Project Execution Plan (d) Project Scope Document	5	CO 1
Q 3	Assignment of any task to someone with powers formally passed on, is termed as _____. (a) Responsibility (b) Accountability (c) Delegation (d) Authority	5	CO 1
Q 4	EIA stands for _____. (a) Essential Items Approval (b) Easy Internal Analysis (c) Environmental Impact Assessment (d) Expected Interest Amount	5	CO 1
Q 5	The most hectic phase of the project life cycle is _____. (a) Conceptualization Phase (b) Definition Phase (c) Planning Phase (d) Execution/Construction Phase	5	CO 1
Q 6	Decision in an information bound system is based on information from the _____. (a) Top Management (b) Environment (c) Government (d) Market	5	CO 1

**SECTION B ( 50 Marks)**

**1. Each question carries 10 marks**

**2. Instruction: Answer precisely, write legibly and stepwise.**

Q 7	Why do we need contracts for executing projects? How will you check the validity of a contract?	<b>10</b>	<b>CO2</b>
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Q 8	Select the project among following projects based on NPV criterion: <table border="1" data-bbox="201 264 1292 417"> <thead> <tr> <th rowspan="2">Project</th> <th rowspan="2">Initial Investment</th> <th colspan="5">Cash Inflow</th> </tr> <tr> <th>Year 1</th> <th>Year 2</th> <th>Year 3</th> <th>Year 4</th> <th>Year 5</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>INR 10 Lakhs</td> <td>3,00,000</td> <td>3,00,000</td> <td>3,00,000</td> <td>3,00,000</td> <td>3,00,000</td> </tr> <tr> <td>B</td> <td>INR 10 Lakhs</td> <td>1,00,000</td> <td>2,00,000</td> <td>3,00,000</td> <td>4,00,000</td> <td>5,00,000</td> </tr> </tbody> </table> <p data-bbox="201 422 638 453">Given that, Cost of Capital = 10%</p>						Project	Initial Investment	Cash Inflow					Year 1	Year 2	Year 3	Year 4	Year 5	A	INR 10 Lakhs	3,00,000	3,00,000	3,00,000	3,00,000	3,00,000	B	INR 10 Lakhs	1,00,000	2,00,000	3,00,000	4,00,000	5,00,000	10	CO2		
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Q 9	Draw the network diagram and find minimum time required to complete the project. <table border="1" data-bbox="201 529 1269 682"> <thead> <tr> <th>Activity</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>Predecessor</td> <td>-</td> <td>A</td> <td>A</td> <td>B, C</td> <td>B</td> <td>D, E</td> </tr> <tr> <td>Duration (Weeks)</td> <td>4</td> <td>5</td> <td>8</td> <td>6</td> <td>4</td> <td>2</td> </tr> </tbody> </table>						Activity	A	B	C	D	E	F	Predecessor	-	A	A	B, C	B	D, E	Duration (Weeks)	4	5	8	6	4	2	10	CO2							
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Q 10	Estimate the project cost of setting up a bottling facility at Dehradun of capacity 1 million units per annum. A similar plant was set up at Lucknow 2 years back of capacity 2 million per annum incurred installation cost of Rs. 20 Crores. Given that: Cost Index (2019) = 1200, Cost Index (2021) = 1400, Location Index (Lucknow) = 150, Location Index (Dehradun) = 125.						10	CO2																												
Q 11	How triple constraints of project management are interrelated and controlling them contributes in achieving project objectives?						10	CO3																												
<b>SECTION-C ( 20 marks)</b>																																				
<b>1. Read the following project financing description carefully.</b>																																				
<b>2. Instruction: Solve systematically showing sample calculations and write legibly.</b>																																				
Q 12	Prepare the Gantt Chart & Cost baseline for the following project: <table border="1" data-bbox="201 1136 1269 1325"> <thead> <tr> <th>Activity</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>Predecessor</td> <td>-</td> <td>A</td> <td>A</td> <td>B, C</td> <td>B</td> <td>D, E</td> </tr> <tr> <td>Duration (Weeks)</td> <td>4</td> <td>5</td> <td>8</td> <td>6</td> <td>4</td> <td>2</td> </tr> <tr> <td>Cost (Rs.)</td> <td>24,000</td> <td>20,000</td> <td>24,000</td> <td>30,000</td> <td>28,000</td> <td>16,000</td> </tr> </tbody> </table>						Activity	A	B	C	D	E	F	Predecessor	-	A	A	B, C	B	D, E	Duration (Weeks)	4	5	8	6	4	2	Cost (Rs.)	24,000	20,000	24,000	30,000	28,000	16,000	20	CO 3
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