Name: **Enrolment No:**	

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

Course: Project Management
Semester: V
Program: BBA (HRM_MKTG_OM) **Time : 03 hrs.**
Course Code: LSCM 3001 **Max. Marks: 100**

Instructions: All questions are compulsory.

SECTION A
10Qx2M=20Marks

S. No.	**Describe the various terms mentioned below.**	**Marks**	**CO**
Q 1	Project lifecycle	**2**	**CO1**
Q 2	Project Scope	**2**	**CO1**
Q 3	Cost-Benefit Analysis	**2**	**CO1**
Q 4	Return on Investment (ROI)	**2**	**CO1**
Q 5	Payback Period	**2**	**CO1**
Q 6	Sensitivity Analysis	**2**	**CO1**
Q 7	Project financial analysis	**2**	**CO1**
Q 8	Project organization	**2**	**CO1**
Q 9	Critical path method (CPM)	**2**	**CO1**
Q 10	Work break-down structure (WBS)	**2**	**CO1**

SECTION B
4Qx5M= 20 Marks

Q 1	How does a well-defined project contribute to its successful execution? Provide examples.	**5**	**CO2**
Q 2	Define the role and responsibilities of a project manager.	**5**	**CO1**
Q 3	Explain the difference between financial feasibility and operational feasibility in the context of project feasibility analysis.	**5**	**CO1**
Q 4	Differentiate between NPV (Net Present Value) and IRR (Internal Rate of Return) as methods for project valuation.	**5**	**CO2**

SECTION-C
3Qx10M=30 Marks

Q 1	Classify projects based on different criteria, such as size, complexity, and industry. For each type, discuss the unique challenges and considerations that project managers may encounter. Provide real-world examples to support your classification.	**10**	**CO2**

<table>
<tr><td>Q 2</td><td>Apply the concept of sensitivity analysis to a project's financial model, identifying and explaining the variables that could significantly influence project outcomes.</td><td>10</td><td>CO3</td></tr>
<tr><td>Q3</td><td>Compare and contrast the Matrix Project Organization with the Projectized Project Organization, providing examples of situations where each might be most effective.</td><td>10</td><td>CO2</td></tr>
<tr><td colspan="4">SECTION-D
2Qx15M= 30 Marks</td></tr>
<tr><td>Q 1</td><td>Discuss a template for a Project Cost Baseline report, including all necessary elements and key performance indicators. Justify your choices.</td><td>15</td><td>CO3</td></tr>
<tr><td>Q 2</td><td>Estimate times for the jobs/activities of a project are given below:

<table>
<tr><td>Job</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td><td>K</td><td>L</td></tr>
<tr><td>Time (weeks)</td><td>13</td><td>5</td><td>8</td><td>10</td><td>9</td><td>7</td><td>7</td><td>12</td><td>8</td><td>9</td><td>4</td><td>17</td></tr>
</table>
The constraints governing the jobs are as follows:
A and B are start jobs; A depends on C, D and E; B depends on Fand J; G depends upon C; H depends on D; E and F depends on I and L; J depends on K; K depends on L; G, H, I and L are the last activities. Draw the network diagram, determine project duration, and identify critical path.</td><td>15</td><td>CO4</td></tr>
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