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**PRESIDENCY  
UNIVERSITY**  
BENGALURU

**School of Engineering**

**Mid - Term Examinations - November 2024**

**Date:** 04-11-2024

**Time:** 09.30am to 11.00am

**Max Marks:** 50

**Weightage:** 25%

**Course Code:** CIV2004

**Course Name:** Integrated Project Management

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**Instructions:**

*(i) Read all questions carefully and answer accordingly.*

*(ii) Do not write anything on the question paper other than roll number.*

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**Part A**

**Answer ALL the Questions. Each question carries 2marks.**

**5Qx2M=10M**

- |          |   |         |    |     |
|----------|---|---------|----|-----|
| <b>1</b> | Give any two salient features of Sole - Proprietorship form of business organization. | 2 Marks | L1 | CO1 |
| <b>2</b> | Briefly explain Activity- on- Node (AoN) method.                                      | 2 Marks | L2 | CO2 |
| <b>3</b> | Discuss any four traits of a Project manager.   | 2 Marks | L1 | CO1 |
| <b>4</b> | What is the full form of abbreviations - CPM and PERT?                                | 2 Marks | L1 | CO2 |
| <b>5</b> | Briefly explain Unit Price Contract with an example.                                  | 2 Marks | L2 | CO1 |

**Part B**

**Answer ALL Questions. Each question carries 10 marks.**

**4QX10M=40M**

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|----------|--|----------|----|-----|
| <b>6</b> | Estimation is a cornerstone of efficient planning and resource allocation. By preventing budget overruns and schedule delays, it ensures successful project execution. In this regard, discuss in detail the different types of estimates. | 10 Marks | L2 | CO1 |
|----------|--|----------|----|-----|

**OR**

7 Organizational culture (OC) is the set of values, beliefs, and expectations that members of an organization share. Name the management styles and explain them. 10 Marks L2 CO1

8 8a A network model is a database model that represents activities and their relationships. It's a flexible way to represent complicated data relationships more effectively than hierarchical models. Explain A-O-A and A-O-N models in project management. 5 Marks L2 CO2

8b Construct a rough network diagram using nodes and arrows for the below project: 5 Marks L3 CO2

Activity	Predecessor activity	Duration in days
A	~	3
B	~	8
C	A	6
D	B	4
E	A	9
F	C,D	2
G	E	8
H	E	5
I	F,G	9
J	H,I	1

or

9 9a Draw a Gantt chart for the below project: 5 Marks L2 CO2

Activity	Predecessor activity	Duration (in days)
A	~	2
B	A	1
C	A,B	1
D	B	2
E	C	3
F	D	2
G	D,E	1
H	F,G	1

9b Using the AON network, draw the network diagram for the above activity showing ES, EF, LS, LF and duration. Also, determine the duration and critical path. 5 Marks L3 CO2

**10** The project management lifecycle is a step-by-step framework of best practices used to monitor a project from its beginning to its end. Explain the Pre-project phase of the Project Management. 10 Marks L2 C01

**or**

**11** If one is planning to start a business or is interested in expanding an existing one, an important decision relates to the choice of the form of business organization. Discuss on any five forms of business organization that you have come across. 10 Marks L2 C01

**12 12a** An organization chart is a diagram that illustrates various positions in the organization and the reporting lines between units and people within the organization. Based on the organizational structure, list the advantages and disadvantages of Matrix Organization. 5 Marks L2 C01

**12b** Also, discuss any five principles on which structure of organization chart is developed. 5 Marks L2 C01

**or**

**13 13a** Project management competencies are essential qualifications that every project manager should possess. These competencies enable project managers to effectively plan, execute, and complete projects within scope, time, and budget while managing resources and stakeholders. With regard to the above, elaborate on the competencies of a Project management. 5 Marks L2 C01

**13b** Also, discuss the unique features of a project. 5 Marks L2 C01