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**Presidency University**

**Bengaluru**

**SCHOOL OF ENGINEERING**

**Make-Up Examinations, July 2024**

**Semester**: V

**Course Code**: CIV3046

**Course Name**: Problem/Project Based Learning (PPBL)

**Program & Sem**: B.Tech, V sem

**Date**: 09/07/2022

**Time**: 9:30 AM – 12:30 PM

**Max Marks**: 100

**Weightage**: 50%

**Instructions:**

1. *Read the all questions carefully and answer accordingly.*
2. *Do not write any matter on the question paper other than roll number.*

*(iii) Clearly state the relevant data, if assumed for answering the particular question, while*

*answering that question.*

**Part A [Memory Recall Questions]**

**Answer Three Questions. Each question carries TEN marks. (3Qx 10M= 30M)**

1. Bring out the salient aspects of Sustainable Development Goal 1 of UN and correlate these to your domain of study. (C.O.No.1) [Knowledge]

1. Problems can be discussed. Also, Support, encouragement, and models can be provided by both teachers and peers. What are the PBL Stake holders Prospective?

(C.O.No.2) [Comprehension]

3. PBL is a learner centered approach. The students keep asking questions and refine their

projects accordingly. List the Attributes required for effective execution of Project Based

Learning. (C.O.No.1) [Knowledge]

1. Project Based Learning (PBL) is a Gateway for Enhancing "Attitude, Knowledge and Skills".

Justify this statement. (C.O.No.2) [Comprehension]

**Part B [Thought Provoking Questions]**

**Answer three Questions. Each question carries FIFTEEN marks. (3Qx15M=45M)**

5. PBL is a learner centered approach. The students keep asking questions and refine their projects accordingly. With the help of a flow chart, explain the sequential steps involved in Project Based Learning. (C.O.No.1) [Knowledge]

6. The project-based Learning approach is an “in-depth investigation of a real-world topic worthy of student’s attention and effort”. Discuss with relevant examples.

(C.O.No.2) [Comprehension]

7. The classroom is a place where people can live a fulfilling life together as a community of learners if needs and concerns are appropriately expressed. Problems can be discussed. Support, encouragement, and models can be provided by both teachers and peers. “We are living in a new economy – powered by technology, fueled by information, and driven by knowledge” Why is Project-Based Learning Important? (C.O.No.2) [Comprehension]

8. Availability and access to water, sanitation and hygiene (WASH) services is fundamental to fighting the virus and preserving the health and well-being of millions. Sustainable Development Goal 6 mentions about Ensure access to water and sanitation for all, As a civil engineer how do you meet the aspirations of the public in this aspect.

(C.O.No.2) [Comprehension]

**Part C [Problem Solving Questions]**

**Answer one Question. Question carrying Twenty Five marks. (1Qx25M=25M)**

9. As a budding engineer, you were assigned a mini project to study and analyse the flooding areas

at Presidency University campus. Provide the details of the study carried out with flood mapping,

clearly mentioning the tools used in the analysis and mapping of the flood. Also, enlist the

relevant suggestions that you have recommended (C.O.No.3) [Application]

10. You have been assigned the Unique Group number and different projects, tagging to your

Group, for example, Group C1P1 means Group C1 assigned with Project P1; Similarly, C2 P2;

--CnPr., Accordingly, List the project 1 title, you have carried out as a part of regular

assignment and Explain in brief the methodology adopted for Project 1. (C.O.No.3) [Application]