

Roll No



PRESIDENCY UNIVERSITY BENGALURU

SCHOOL OF DESIGN MID TERM EXAMINATION - OCT 2023

Semester : Semester V - 2023

Course Code : CIV3059

Course Name : Sem V - CIV3059 - Sustainability for Designers

Program : BDF/BDP/BDS

Date : 18-OCT-2023

Time : 2:00PM - 3:30PM

Max Marks : 50

Weightage : 25%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS

(5 X 2 = 10M)

1. The term sustainability refers to indicating programs, initiatives, and actions aimed at the preservation of a particular resource. List four Pillars of Sustainability, citing an example for each.
(CO1) [Knowledge]
2. As designers, especially, you being one of the fashion, product, and space designers, prepare a questionnaire regarding the type of questions you ask yourself while designing a piece of jewelry, a product, and the interiors of the building. (List any four relevant questions).
(CO1) [Knowledge]
3. Sustainable development can be thought of as development that has the ability to be sustained into the future for some lengthy period of time and can be viewed as the sustained and continuous improvement of a system or process. Interpreting sustainable development based on what is to be developed and what is to be sustained. Justify?
(CO1) [Knowledge]
4. The Sustainable Development Goals (SDGs) provide a roadmap for achieving a sustainable future for all. Technology has the potential to be a significant enabler of sustainable development. As a fashion, product, and or space designer, how do you use technology in designing your items, products, and services to achieve sustainability?
(CO1) [Knowledge]
5. Sometimes, economic sustainability arguments are divided into strong and weak sustainability categories, Put forward your views on the strong sustainability category.
(CO2) [Knowledge]

PART B**ANSWER ALL THE QUESTIONS****(2 X 10 = 20M)**

6. Achieving Sustainable Development Goals (SDGs) requires collective efforts from individuals, organizations, and governments. How to Contribute to Achieving the SDGs, describe the roles of Individuals and Organizations
(CO2) [Comprehension]
7. Sustainability is akin to a three-leg table that can only remain standing if environmental, economic, and social sustainability dimensions are satisfied. This balance can prove challenging, since the sustainability dimensions are often in conflict, as designers how you arrive at an optimal design overcoming these conflicts?
(CO2) [Comprehension]

PART C**ANSWER THE FOLLOWING QUESTION****(1 X 20 = 20M)**

8. The Sustainable Development Goals (SDGs) have been a powerful catalyst for mobilizing global efforts in the pursuit of sustainable development. This overarching initiative has united governments, civil society, the private sector, and individuals worldwide in a shared commitment to realizing these ambitious goals.

In the context of your project or assignment, which revolves around the use of plastic and paper cups and plates within the university campus, your role as a designer is intricately linked to the core principles of sustainability, life cycle assessment (LCA), and design innovation. This task extends beyond a mere examination; it necessitates a comprehensive assessment of the environmental, economic, and social impacts associated with these items. To convey this assessment effectively, it is imperative to employ compelling examples and present meticulously gathered data. Your inferences drawn from the data should be substantiated with carefully crafted graphical representations, while a transparent exposition of the methodology adopted for the study is essential.

Your response will be evaluated comprehensively, with a focus on how seamlessly and effectively you have integrated the principles of sustainability, LCA, and design thinking to attain the desired outcome.

(CO3) [Application]