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**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF DESIGN
END TERM EXAMINATION - JUN 2023**

Semester : Semester VI - 2020

Course Code : BDP311

Course Name : Sem VI - BDP311 - Simple Product Design - Prototyping

Program : BDP

Date : 16-JUN-2023

Time : 1.00PM - 4.00PM

Max Marks : 100

Weightage : 50%

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.*
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PART A

ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

1. Write the main components involved in the manufacturing of PU foam. What are the advantages(min. 4)? Give examples of PU foam being used in daily life (min. 6).
(CO2,CO1) [Knowledge]
2. What is the full form of FRP? What are the advantages of using FRP(min. 6)? Where do we see FRP commonly being used (min. 4)?
(CO1,CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(2 X 20 = 40M)

3. Design a perfume bottle and make a model with the given PU foam block. Write about the concept of the product using sketches.
(CO4,CO3) [Comprehension]
4. Create a scaled down PU foam model of a water bottle. Elaborate on the actual materials and specifications of the bottle using sketches.
(CO3,CO4) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS

(1 X 40 = 40M)

5. Present the assigned subject and defend the jury's clarifications.
(CO2,CO5,CO4,CO3,CO1) [Application]