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**PRESIDENCY UNIVERSITY  
BENGALURU**

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

**Semester :** Semester IV - 2021

**Course Code :** DES2023

**Course Name :** Sem IV - DES2023 - Building Construction and Detailing

**Program :** BDS

**Date :** 19-JUN-2023

**Time :** 1.00PM - 4.00PM

**Max Marks :** 100

**Weightage :** 50%

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**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 5 = 10M)**

1. Define Plywood. Explain the structural characteristics of Plywood and use sketches wherever necessary.  
(CO1,CO5,CO4,CO3,CO2) [Knowledge]
2. What is Seasoning of Wood? Elaborate the process using necessary sketches.  
(CO3,CO4,CO5,CO2,CO1) [Knowledge]

**PART B**

**ANSWER ALL THE QUESTIONS**

**(2 X 15 = 30M)**

3. Design a dog-legged composite staircase for the given 3M height assuming tread as 300mm and riser as 150mm. Provide necessary plan, section and material details.  
(CO1,CO5,CO4,CO3,CO2) [Comprehension]
4. Draw to a suitable scale, plan, elevation, section and details of a wooden casement window of size 1.2M X 1.5M  
(CO2,CO1,CO3,CO4,CO5) [Comprehension]

**PART C**

**ANSWER THE FOLLOWING QUESTION**

**(1 X 60 = 60M)**

5. Using portfolio, Introduce the given project and defend the jury clarifications.  
(CO4,CO1,CO2,CO3,CO5) [Application]