

**SARVAJANIK UNIVERSITY**

S-2026 Date: 06-05-26 Time: 01:30 PM to 03:30 PM
Regular / Backlog Exam

BID II - SEMESTER- IV EXAMINATION

Course Code: BIID31402

Total Marks: 50

Course Name: Interior Materials, Systems and Services II

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Here you can add your own instructions for students

Q1.	Answer the following in short. (Attempt all) (2 marks each)	10 Marks
Q1)	What is Glass ? Name few types of glass used in construction industry .	
Q2)	What is Metal ? Name some metals used in Construction Industry & where theyre used.	
Q3)	What do you mean by Polymer based material ? State few products made from polymer.	
Q4)	What do you mean by False Ceiling ? What is its purpose?	
Q5)	What do you mean by Task light & Ambient Light ?	
Q.2	Answer the following in brief (any 5) (2 marks each)	10 Marks
Q1)	State physical properties of Metal .	
Q2)	State few Natural Polymers & Mention the benefits of using Natural Polymers.	
Q3)	What is Acrylics ? State uses of Acrylic sheet .	
Q4)	State different types of lighting based on their use.	
Q5)	Define Task Light . What factors should be considered for proper installation of Task lighting .	
Q6)	Difference between pvc ,upvc& acrylics.	
Q.3.	Answer the following in Detail . (any 2) (10 marks each)	20 Marks

Q1)	Explain Mechanical Properties of metal & where which metals are used.	
Q2)	List properties & application of synthetic polymer products & the reason why we use Polymer coating .	
Q3)	Explain the difference between Mechanical Ventilation and Natural Ventilation . List all the Building Elements through which heat may be gained in a building.	
Q.4.	Answer the following question . (Any 1)	10 Marks
	Q1) Design a ceiling plan of a Café with Mocktail bar in the centre along with electrification . Café area 8x10 meters . Make a legend of the Lighting you're going to use in the café . Q2) Design a Partition wall or Wall Panel with its section & design along with electrification Q3) Prepare a detailed electrical layout for the space (Room Size: 5.0 m × 4.0 m) considering functionality, safety, and user convenience. Electrical layout plan showing placement of: • Light fixtures • Fans • Switchboards • Plug points (5A & 15A) • Wiring(one way & two way)	