

**SARVAJANIK UNIVERSITY**

S-2025 Date: 01-05-25 Time: 01:30 PM to 03:30 PM

Regular / Backlog Exam

**B.Interior DesignII- SEMESTER– IV EXAMINATION**

Course Code: BIID 21402 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. Draw Illustrations, Sketches, Labelled Diagrams where ever applicable

<b>Q1.</b>	<b>Answer the following Any 10 OUT OF 12 ( 1 X 10 ) = 10 MARKS</b>	<b>10 Marks</b>
	<b>State True or False</b>	
i	Wrought Iron is used for making Rivets, Chains & Bolts ( T / F )	
ii	Metals are Soft & having Low tensile strength ( T / F )	
iii	Glass can be derived From Sand having Silicate ( T / F )	
iv	All types of Glass are recyclable in nature and can be reused ( T / F )	
v	False Ceiling can never be known as suspended ceiling. ( T / F )	
vi	Cove lighting is often integrated into false ceilings to provide Indirect lighting.( T/F)	
vii	Furniture can be manufactured by 3D Printing with Natural Polymers. ( T / F )	
viii	Acrylic does not turn yellow when exposed to Sun Light.( T / F )	
ix	Electric Current is the Flow Of Neutrons through wires. ( T / F )	
x	Alternate Current & Direct Current both are Conventional Type Of Current. ( T/F )	
xi	Thermal Comfort is Part of HVAC Provision. ( T / F )	
xii	Passive Cooling Method is Part Of Air Conditioning. ( T / F )	
	<b>ATTEMPT Q2 A ( 10 Marks ) OR Q2 B (10 Marks)</b>	<b>10 Marks</b>
<b>Q.2 A</b>	<b>ATTEMPT ANY TWO Out Of -- Q2A: i,ii,iii ( 5 + 5 ) = 10 Marks</b>	<b>10 Marks</b>
	<b>Explain In Brief</b>	
i)	What are the differences between Float Glass & Tempered Glass..?	5 Marks
ii)	Explain all the steps of Installation Process of a Gypsum False Ceiling Step by Step...??	5 Marks
iii	Define & Explain Metals as materials for Interior Industry?? List all the types of metals which are used for Interior Construction Industry and By Interior Designers....??	5 Marks
	<b>OR</b>	
<b>Q.2 B</b>	<b>ATTEMPT ANY TWO Out Of -- Q2Bi,ii,iii(5+5) = 10 Marks</b>	<b>10 Marks</b>
	<b>Explain In Brief</b>	
i)	What is the difference between Focused Lighting and Ambient Lighting for Interior Spaces...? What should be the heights and location for providing Focused Lighting for a Study Table.?	5 Marks
ii)	Explain the Advantages of Bio Plastics over Synthetic Plastic in Context of it's Recyclability with help of Lifecycle Diagram.	5 Marks
iii)	Explain the Statement "The significance of HVAC System in Interior Designing is related to Thermal Comfort and Indoor Air Quality.."	5 Marks

<b>Q.3.</b>	<b>Explain any FOUR questions out of the Following ( 4 x 5 = 20)</b>	<b>20 Marks</b>
i)	List all the Mechanical Properties Of Metal. Explain any two of them in detail.	5 Marks
ii)	Give Full Form Of HDPE, PVC, LDPE. Explain why these plastics are given Numbers as per their recyclable properties. Mention the recycled applications of HDPE, PVC, LDPE.	5 Marks
iii)	Create two paragraphs of 30 to 50 words each using the following words: Unpleasant Smell, Excessive Moisture, Introduce Outside Air, To keep Interior of Building Air Circulating, To Prevent Stagnation of the Interior Air, Cross Ventilation, Placement Of doors and windows etc to -- Explain Ventilation as an important Aspect Of HVAC. Draw sketches where ever applicable by using The given words.	5 Marks
iv)	Consider that you have been given a project to Create a Glass House with Glass as a Primary material for the Interiors. Explain Which type of glass you will apply in the Partitions, Ceilings & Furniture Citing the Properties & Characteristics of the type of glasses selected.	5 Marks
v)	List the Five Type Of Electrical Wires. And Explain any one of them in Detail detailing it's characteristics, properties and applications.	5 Marks
vi)	Describe the aesthetic and functional benefits of using gypsum false ceilings in commercial interiors. Give sketches where ever applicable.	5 Marks
<b>Q4)</b>	<b>Draw Layout Plan Of a Room Approximately 4m (l) x 6m (b) x 4.5m (h). Arrange The Interiors With Office Furniture of your choice. Show the following in Plan &amp; Section.</b>	<b>10 Marks</b>
a)	Placement Of Split AC & Ventilation System on Ceiling & Wall	5 Marks
b)	Placement Of Fixtures ( Air Inlet / Outlet, Lights & Fan Points, Switches, Plug Points etc ) On Ceiling & Walls where ever applicable.	5 Marks
<b>OR</b>		
<b>Q4</b>	<b>Draw a Layout Plan Of Room 6m (l) x 3.6 m (b) x 3.6 m (h) of a Dining Hall and show Partition System with Metal or Glass or Polymer or Gypsum. ( Plan and Section with dimensions)</b>	<b>10 Marks</b>
a)	Give details Of Fixing Method Of Partition Frame to : ceiling, floors, walls, sizes Of Frame for fixing.	5 Marks
b)	Give details Of Panel Sizes & Thickness, Fixing methods for panels on to frame.	5 Marks