



SARVAJANIK UNIVERSITY

W-2025 Date: 03-12-25 Time: 09:30 AM to 11:30 AM
Regular / Backlog Exam

BID II- SEMESTER- III EXAMINATION

Course Code: BIID31302

Total Marks: 50

Course Name: Interior Materials, Systems and Services I

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q1.	Answer the following one word questions	10 Marks
	<ol style="list-style-type: none">1. Sand is one of the raw material for tiles.(T/F)2. Construction gets quicker with usage of precast concrete. (T/F)3. Diameter of waste pie is 80mm. (T/F)4. Post tensioning is used for large span structure. (T/F)5. MDF is one of the type of plywood.6. _____ Test is needed to check workability and strength.7. Ceramic tiles are _____ to _____ mm thick.8. Red colour indicates _____.9. _____ is a thin layer of wood used as finishing material.10. _____ is done to remove water & sap from the wood.11. Porcelain tiles are also called as _____ tiles.	
Q.2	Answer the following questions in brief	10 Marks
	<ol style="list-style-type: none">1. Define concrete and its ingredients?2. State any 5 byproducts of wood.3. Explain precast concrete and its uses?4. Explain single stack system?5. Explain U-shaped kitchen layout with a schematic sketch of the same.	
Q.3	Answer the following questions in detail with appropriate examples and well labelled diagram (any 4)	20 Marks
	<ol style="list-style-type: none">1. Enlist various types of concrete and explain any two in detail.2. Draw and explain a detailed diagram of rain water harvesting for a single storeyed residence.3. What is the main difference between natural and artificial stone? Explain with diagrams/ sketches and examples of its application in interiors.4. Explain any 4 by-products of wood with its properties, advantages, usage and various applications in interiors.5. What is a tile? List down its raw materials, manufacturing processing and various examples with its properties.	
Q.5.	Elaborate and explain in detail (any 2)	10 Marks
	<ol style="list-style-type: none">1. State the difference between MDF-board and plywood, mention its properties, advantages and disadvantages, usage and application, finishes, market availability, costing etc. with examples and sketches (if applicable)2. Explain and draw all types of traps used in toilet layouts, state comparative advantage and disadvantages of each3. Design a toilet layout (3m x 2.1m) denoting all plumbing and drainage lines and dado (tile) design detail in plan as well as one wall elevation.	