

SARVAJANIK UNIVERSITY

Keep it blank

S-2024 Date: 15-04-24 Time: 09:30 AM to 12:30 PM

Regular / Backlog Exam

B.ID-II - SEMESTER- IV EXAMINATION

Course Code: BILD11403

Total Marks: 180

Course Name: Interior Materials, System and services -II

Instructions:

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

Q.1		
A	Fill in the Blanks	5
	<ol style="list-style-type: none"> 1. There are _____ metals on the periodic table 2. Metals are extracted from earth through the process of _____. 3. Glass is _____ recyclable 4. Metals are _____ which means they have a shiny appearance 5. _____ has the highest clarity and true-color fidelity, even through great thicknesses and lamination. 	
B	Do as Directed (3 MARKS EACH)	45
	<ol style="list-style-type: none"> 1. What are Metals? 2. What is glass? 3. What is Polymer based material? 4. What is Task lighting? 5. State the two division of main metal groups? 6. Give Full Form of UPVC 7. Give Full Form of HVAC 8. What are the 4 C's of HVAC? 9. What is acrylic material? 10. What is the main function of Condenser? 11. What are the polymer based fabrics? 12. Name the Two Type of HVAC system? 13. Explain AHU? 14. What is a HVAC compressor? 15. What are the 3 components to a HVAC system? Heating. 	
Q.2	Do as Directed ANY THREE (10 MARKS EACH)	30
	<ol style="list-style-type: none"> 1. Difference between Latent heat and Sensible heat. 2. Advantages and disadvantages of steel as a structural material. 3. Difference between Float Glass and Tempered Glass 4. Distinguish Between Ferrous Metal and Non Ferrous Metals 	
Q.3	Answer the following in Detail ANY FOUR (15 MARKS EACH)	60
	<ol style="list-style-type: none"> 1. Describe Partition & requirements to be full filled for designing a partition. Explain brick partition in detail. 2. Explain purpose of the false ceiling and elaborate its advantages. 3. Explain Metal, Wood & Glass False Ceiling in detail. 4. List and Explain manufacturing process for glass with its various stages. 5. List and explain in brief different types of glass used in construction. 	

Q.4	Design a banquet hall and Draw an Electrical and HVAC Layout of of 6Mtr X 12Mtr. For the same. (Draw layout with Dimensions of electrical and HVAC points with switchboard, make schedule of switchboard and legends and mention levels in ceiling.)	30
Q.5	Design a dry wall construction partition size 5' x 9' and used an appropriate sheet for it cladding to align and flat the surface. OR Explain in detail the application of glass blocks on size 4'x6'	10