



**POORNIMA UNIVERSITY, JAIPUR.**  
**MID SEMESTER EXAMINATION 2020-21 (ODD Semester)**

**School** : School of Design & Arts  
**Course** : III Year VSEM –(B. DES)  
**Subject Name** : Material study -III  
**Subject Code** : BID05102

**Max. Time:** 1.5 hrs.

**Max. Marks:** 12

**NOTE:-** Attempt four questions. There is internal choice in Q. 1&2, Q. 3&4, Q. 5 &6 & Q. 7&8.

**Sec-A (CO 3) (Max. Marks-6)**

- |            |            |   |              |
|------------|------------|---|--------------|
| <b>Q.1</b> | <b>(a)</b> | What are Functions of Door Hardware?          | <b>Marks</b> |
|            |            |   | <b>(1.5)</b> |
|            | <b>(b)</b> | What do you mean by pivot and panic hardware? | <b>(1.5)</b> |

**OR**

- |            |            |   |              |
|------------|------------|---|--------------|
| <b>Q.2</b> | <b>(a)</b> | What are closers and its types?                                       | <b>(1.5)</b> |
|            | <b>(b)</b> | Draw a window mentioning all the details about the hardware fittings. | <b>(1.5)</b> |
| <b>Q.3</b> | <b>(a)</b> | Explain bolts and fasteners.  | <b>(1.5)</b> |
|            | <b>(b)</b> | Sketch and explain butt hinge and its types.                          | <b>(1.5)</b> |

**OR**

- |            |            |  |              |
|------------|------------|--|--------------|
| <b>Q.4</b> | <b>(a)</b> | What are locks and latches? Explain its types. | <b>(1.5)</b> |
|            | <b>(b)</b> | Write a brief about furniture hinges.          | <b>(1.5)</b> |

**Sec-B (CO 4) (Max. Marks-6)**

- |            |            |   |              |
|------------|------------|---|--------------|
| <b>Q.5</b> | <b>(a)</b> | Write short note on:<br>1) Vehicle or binder<br>2) solvent<br>3) Anti corrosion paints<br>4) Primer | <b>(1.5)</b> |
|            | <b>(b)</b> | Mention Objects of furnishing and point out the characteristics of ideal varnishing.                | <b>(1.5)</b> |

**OR**

- |            |            |  |              |
|------------|------------|--|--------------|
| <b>Q.6</b> | <b>(a)</b> | Explain types of paints according to their material. | <b>(1.5)</b> |
|            | <b>(b)</b> | Describe in details about content of paints.         | <b>(1.5)</b> |
| <b>Q.7</b> | <b>(a)</b> | Difference between cellulose and colloidal paints.   | <b>(1.5)</b> |
|            | <b>(b)</b> | Mention the defects found in painting work.          | <b>(1.5)</b> |

**OR**

- |            |            |   |              |
|------------|------------|---|--------------|
| <b>Q.8</b> | <b>(a)</b> | Enumerate the properties of distemper.                              | <b>(1.5)</b> |
|            | <b>(b)</b> | What are the ingredients of oil borne paint? Describe each of them. | <b>(1.5)</b> |

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