



**NBO-001-005402**      Seat No. \_\_\_\_\_  
**Second Year B. A. (ID) (Sem. IV)**  
**Examination**  
**April / May – 2017**  
**Material - IV**

**Faculty Code : 001**  
**Subject Code : 005402**

Time : 2 Hours]

[Total Marks : 50

**Instructions :**

1. All questions are compulsory.
2. Any ambiguity will be considered as a wrong answer.

**1 Describe in brief : (any four) 20**

1. Toughening of glass
2. Thermo-setting plastic
3. Plasticizers
4. Etching on glass
5. Pressing process of glass.

**2 Answer any two : 20**

1. Which are the different properties of Glass ? Explain at least four in detail.
2. What are the properties and uses of PVC ?
3. Write the advantages and uses of FRP.

**3 Fill in the blanks : 5**

1. \_\_\_\_\_ Full form of PP is \_\_\_\_\_.
2. Full form of FRP is \_\_\_\_\_.
3. \_\_\_\_\_ are applied on the surface of moulds so that the articles of plastics do not stick to the moulds.

4. \_\_\_\_\_ are used for flexibility of the material.
5. \_\_\_\_\_ are soft and elastic materials with a low modulus of elasticity.

4 State the following sentences : 'True' or 'False' : 5

1. Float glass is soft and light weight compared to sheet glass.
  2. Fiber glass and foam glass cannot be sawn (cut with a saw).
  3. Bullet proof glass uses the elastic property of glass.
  4. Glass has sharp melting point.
  5. Glass is not easily affected by ordinary chemical reagents.
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