



MBS-001-005402

Seat No. _____

Second Year B. A. (ID) (Sem. IV)

(CBCS) Examination

April / May - 2018

Materials - 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 Fill in the blanks : **10**

- (1) The plastics are the _____ substances and these are capable of flow when necessary and _____ are applied at some stage of their manufacture.
- (2) _____ are applied on the surface of moulds so that the articles of plastics do not stick to the moulds.
- (3) The _____ or heat non-convertible group is the general term applied to the plastics which become soft when heated and hard when cooled.
- (4) Blow molding process is used to form _____ articles.
- (5) FRP is used to make _____.
- (6) Sound proof panels are making from _____.
- (7) Vent pipes are making from _____.
- (8) _____ deform considerably under load at room temperature and return to their original shape, when the load is released.
- (9) _____ is used to make transparent signboards.
- (10) Chemical name of ACRYLIC is _____.

2 State the following sentences True or False : **5**

- (1) Fiber glass is used as acoustical material.
- (2) Tempered glass has tensile forces locked into its surfaces.
- (3) Toughened glass is same as tempered glass.
- (4) Glass has sharp melting point.
- (5) Bullet proof glass uses the elastic property of glass.

- 3** Write short notes : (any **three**) **15**
- (1) Glass pasting
 - (2) Annealing of glass
 - (3) Blow molding process
 - (4) Thermo-setting plastic.
- 4** Answer any **four** : **20**
- (1) Write short note on Blown Film Extrusion process of plastic.
 - (2) Write the advantages and uses of FRP.
 - (3) Mention different treatment on glass and explain.
 - (4) What are the types of glass available in market ?
Mention their properties and uses.
 - (5) What is Glass ? Explain the constituents of glass.
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