



HCU-1601390101031600 Seat No. _____

Second Year B. A. (ID) (Sem. III) Examination

October / November – 2017

Materials & Construction - III

Time : 3 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) Dr. L. Bakeland was the researcher of _____.
- (2) Monomer + monomer + monomer + _____ = _____.
- (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) The _____ or heat convertible group is the general term applied to the plastics which become rigid when molded at suitable pressure and temp.
- (5) The plastics are compounds of carbon with other elements such as _____ and _____.
- (6) Chemical name of acrylic is _____.
- (7) Urea formaldehyde is transparent like _____.
- (8) _____ are applied on the surface of moulds so that the articles of plastics do not stick to the moulds.
- (9) _____ are used for flexibility of the material.
- (10) _____ are soft and elastic materials with a low modulus of elasticity.

2 Write short notes : (any **two**) **10**

- (1) Types of glass available in market and uses.
- (2) Different treatment on glass and explain.
- (3) Manufacturing process of solid acrylic surface and its uses.

- 3** Draw plan, elevation and section of kitchen cabinet detail **15**
through sketches of given modules with material specification.
Width of the modules are 450mm, 600mm, 750mm, 900mm
(any **three**)
- 4** Draw types of roof through plan, elevation and sketches : **15**
(any **five**)
- (1) Gabel roof
 - (2) Hip roof
 - (3) Saw tooth roof
 - (4) Barrel roof
 - (5) Gambrel roof
 - (6) Pavilion roof.
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