



J-6501

Seat No. _____

B. Arch. (Sem. V) Examination

November - 2019

Building Material - V

Time : 2 Hours]

[Total Marks : 80

Instruction : Support your statement with necessary sketches/
example wherever necessary.

1 Write brief note : (any six) 30

- (1) Properties and characteristic of Glass as a Building Material.
- (2) Properties and characteristic of Plastic as a Building Material.
- (3) Insulation and Insulating materials.
- (4) Metal - Hot Rolling, Cold Rolling and Extrusion.
- (5) False ceiling - material and types.
- (6) Drywall and Panelling.
- (7) Joinery for Metal.
- (8) Joinery for Glass.

**2 Express your understanding and answer with reasoning : 20
(any four)**

- (1) Glass wool is a good waterproofing material
- (2) Painting during monsoon is advisable
- (3) Any type of tile can be used for any kind of flooring
- (4) Gypsum is widely used in external cladding
- (5) Fabric is widely used as acoustical material
- (6) Paper is not suitable for any architectural application

3 Answer any **two** :

30

- (1) Sealants, Adhesives and Admixture - Types and application of each.
 - (2) Mild Steel, Stainless Steel and High Carbon Steel as a Building Material.
 - (3) Properties and characteristic of Aluminium as a Building Material
 - (4) What do you mean by 'Pre-Fabricated Steel Structure'? Explain how PF steel structures differ from conventional steel structures?
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