

B.I.D. (Sem.-II) Examination
202 ID Materials & Construction-II
May-2017

Time : 3 Hours]

[Max. Marks : 100

Instruction:

1. Assume suitable data if necessary.
2. Neat proportionate sketches are necessary to explain theories.
3. Figures to the right indicate full marks.

Q-1 Draft wooden floor for system for the 6mts x 4 mts and provide necessary details. (30)

OR

Draft wooden panel main door for the residential building 1.5 mts wide and having 2.1 mts height showing Wall and frame detail, Frame and shutter detail, Style and rail detail.

Q-2 (a) Sketch different types of arches (10)

(b) Explain market forms of timber (any 5) :- (10)

- i. Plywood
- ii. Veneer
- iii. Laminate
- iv. Softwood
- v. Hardwood
- vi. MDF

(c) What are lintels? Draw any 2 in detail? (10)

OR

What are arches? Draw any 2 in detail?

Q-3 (a) Explain Wall and floor finishes and its types. (10)

(b) Explain with neat sketches (any 5) :- (10)

- i. Double shutter and single shutter door
- ii. Horn
- iii. Frame
- iv. Louver
- v. 6 different types of lengthening joints
- vi. 2 type of widening joints

(c) draw segmental arch, elliptical arch, 5-centered arch, relieving arch (10)

Q-4 (a) Differentiate between (any 6):- (10)

- i. Extrados and intrados
- ii. Abutments and piers
- iii. Spandril ad haunch
- iv. Skewback and springing points
- v. Crown and key
- vi. Top rail, Bottom rail and Intermediate rail
- vii. Folding door and sliding door