

Instructions:

- All questions are compulsory
- Support your answer with sketches and figures if required
- Assume suitable data wherever required
- Use Drawing Sheet for Q-1 and Q-3
- Figures to the right indicate full marks

- Q-1** Design and draw plan, section and elevation of 1.5m wide RCC doglegged staircase with floor to floor height 3m; Show all details in appropriate scale. [40]
- OR
- Design and draw plan, section and elevation of 1.5m wide Wooden straight flight staircase with floor to floor height 3m. Show all details in appropriate scale.
- Q-2** Define term with neat sketch (any five) [10]
- 1) Baluster
 - 2) Flight
 - 3) Soffit
 - 4) Nosing
 - 5) Hand rail
 - 6) Riser
 - 7) Head room
- Q-3** Draft a mezzanine floor of 4.5 m x 5.0 m for Conference room In interior designers Office by using any Material, show all necessary Detail use appropriate scale. [20]
- Or
- Draft a Raised floor of 4.5 m x 5.0 m for interior designers Office Conference room by using any Material, show all necessary Detail Use appropriate scale
- Q-4** Answers any two [20]
- 1) State briefly requirement of good staircase & sketch different Types of Staircase according to geometrical shape
 - 2) Define the term Partition wall and list types of partition Wall on-Material Base, explain any one of them
 - 3) Explain installation of timber false ceiling through plan, Detail section and detail in proportional sketch
- Q-5** Answer any two [10]
- (1) State use and importance of false ceiling
 - (2) Difference between brick stair and stone stair
 - (3) What is paneling explain wooden paneling with detail

B.I.D. (Sem.-4) Examination

ID 403

Services-2

Time : 2-00 Hours]

March 2019

[Max. Marks : 50

Instructions:

- (1) All Questions are compulsory.
- (2) Use neat sketches or calculations to illustrate your answer, if necessary.
- (3) Figures on right indicate the full marks.

- Q-1 What Is Sprinkler System? Explain Advantages And Types Of Sprinkler System: (10)
- Q-2 What Are Uses Of Reverberation And Explain Disadvantage And Noise Control In Specific Types Of Building (10)
- Q-3 Write short notes on the following (Any-5) (10)
- a) Photoelectric Or Optical Smoke Detector
 - b) Water Sprinkler
 - c) Location of smoke detector
 - d) Reverberation time
 - e) Air conditioning
 - f) Thermostat
 - g) Automation system
- Q-4 Briefly Describe Function Of HVAC. (10)
- OR
- Explain Mechanical System Of Ventilation And Purpose Of Ventilation:
- Q-5 Briefly describe CCTV? With their Types And Its Systems? (10)
- OR
- Explain Acoustic consideration of concert hall with sketches:

X ————— X

B.I.D. (Sem.-4) Examination

ID 406

Lighting Design

April 2019

Time : 2-00 Hours]

[Max. Marks : 50

Instructions:

- (1) All Questions are compulsory.
- (2) Use neat sketches or calculations to illustrate your answer, if necessary.
- (3) Figures on right indicate the full marks.

- Q-1 What Is Daylight ? Explain Goal Of Daylighting And Relation Between Light, Human And Nature: (10)
- Q-2 "Daylighting As An Element To Create An Ambience In A Space." Explain (10)
- Q-3 Write short notes on the following (Any-5) (10)
- a) Lux
 - b) Luminance
 - c) Luminous flux
 - d) Task lighting
 - e) Geometry of lighting layout with sketches
 - f) Red & yellow colour light in interior space
 - g) Difference : ascent lighting & ambience lighting
- Q-4 How To Lighted Up Ceiling And Wall ? Explain Through Sketches: (10)
- OR
- Explain Behavior Of Light With Sketches:
- Q-5 Describe Luminaires, Placement Of Luminaires And Impression Of Spaciousness: (10)
- OR
- Explain Lighting In Any Four Spaces Of Interior With Sketches:

X ← X

B.I.D. (Sem.-4) Examination

ID 202

Materials & Construction-2

March 2019

Time : 3-00 Hours]

[Max. Marks : 100

Important Instructions:

- (1) Attempt all the questions.
- (2) Use NEAT AND PROPORTIONATE SKETCHES and figures wherever required.
- (3) Figures on the right indicate the full marks.

- Q-1 Name the types of doors and window by its method of operation. (5)
- Q-2 Draw sketch and explain basic elements of **(Any-1)** (12)
I) door
II) window
- Q-3 Name the types of lintel by material used for construction. (5)
- Q-4 Draw neat and proportionate sketch of Semi-circular Arch (Roman Arch) and explain basic terms of it. (20)
- Q-5 Draw neat and proportionate sketch and explain it. **(Any-3)** (15)
I) segmental arch
II) flat arch
III) equilateral arch
IV) drop arch
V) ogee arch
- Q-6 Name the types of basic joinery in wood and explain two of them in details with sketches and write up. (18)
- Q-7 Explain below items with sketches and write-up. **(Any-3)** (15)
I) face-nail, toe nail and end nail
II) corrugated fastener
III) flat head screw and round head screw
IV) double-headed nail
- Q-8 Explain with sketch and write-up (10)
I) Allowable notches, holes and cut-outs in floor joists.

