



Sanjay Ghodawat University, Kolhapur

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

2018-19

EXM/P/09/00

Year and Program: 2018-19

School of Architecture

F.Y.B.Arch

B.Arch

Course Code 18ARC104

Course Title BCM - II

Semester - II

Monday
20th May, 2019

Examination: ESE

Time: Max Marks: 80

(2-30 to 5-30 pm)

Instructions:

1) Draw sketches wherever necessary.

Q.1 a. Design a door for opening size of 750 X 2100 mm. Draw

PLAN, ELEVATION AND SECTION to scale 1:10.

PLAN

8

L3

CO2

ELEVATION

8

SECTION

6

b. Draw any TWO Enlarged details of the above to scale 1:5.

8

L3

CO2

OR

Q.1 a. Design and Draw to scale 1:20 Single Roof for a

room size 3.20 m x 4.50m.

PLAN

8

L3

CO2

SECTIONAL ELEVATION

8

b. Draw enlarged detail to scale 1:10.

1. Eaves board detail and Ridge detail

10

L3

CO2

2. Isometric view of Birds mouth joint.

4



Q.2 Draw sketches of the following: any TWO

a. Splicing bamboo poles

10

L2

CO3

b. Fixtures and Fastenings for Doors and Windows.

c. Microstructure of Exogeneous tree.

d. King Post roof truss

ESE

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Q.3 Explain : any **TWO**

- a. Defects in Timber.
- b. Collar roof..
- c. Types of Roof covering for pitched roofs.
- d. Reinforced brick masonry.

10 L1,L2 CO1,CO2

Q.4 Define the following terms: any **FIVE**

- 1.Head 2. Sash 3.Panel 4. Flight 5. Ridge piece.
- 6.Wall plate. 7. Medullary rings.

10 L1,L2 CO1,CO2

Q.5 Explain :- any **TWO**

- a. Advantages & Disadvantages of Bamboo.
- b. Requirement of a good stair.
- c. Requirement of a well planned roof.

10 L1,L2 CO2

Q.6 Explain with neat sketches:- any **TWO**

- a. Single floor joist.
- b. Types of Framing joints.
- c. Staircase terminology.

10 L1,L2 CO2

ESE

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