



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 18ARC103

Course Title BCM - I

Semester - I

wednesday

Examination: ESE

Time: Max Marks: 80

29/05/2019

10.30 to 1.30 pm

Instructions:

1) Draw sketches wherever necessary.

Q.1 a. Design & Draw alternate courses of One and Half

Brick thick stopped end DOUBLE FLEMISH BOND .

Draw to scale 1:10.

PLAN

8

L3

CO2

ELEVATION

8

SECTION

6

b. Draw to scale 1:10 .Foundation for External wall in 1 Brick thick.

8

L3

CO2

OR

Q.1 a. Design and Draw to scale 1:10 Alternate courses of Right angle Quoin in One brick thick.

PLAN

8

ELEVATION

8

SECTION

4

L3

CO2

ISOMETRIC VIEW

4

b. Draw to scale 1:5 KING CLOSER , HALF BAT , BEVELLED CLOSER.

6

L3

CO2

Q.2 Draw sketches of the following: any TWO

a. Any FOUR Joints in stone masonry .

10

L2

CO3

b. One and Half brick thick Pier in English Bond.

c. Load bearing and Framed structure..

ESE

Q.3 Explain: any **TWO**

- a. Properties of Sand.
- b. Types and Classes of bricks
- c. Manufacturing process of Lime.
- d. Good Qualities of Brick

10 L1,L2 CO1,CO2

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

- 1.Frog 2. Buttress 3.Extrados. 4. Crown 5. Lintel
6.Corbel.7. Trowel.

10 L1,L2 CO1,CO2

Q.5 Write a note on:- any **TWO**

- a. English Bond and Flemish Bond
- b. Bearing capacity of soil.
- c. Dressing of stones.

10 L1,L2 CO2

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

- a. Elements of Segmental Arch.
- b. Ashlar masonry.
- c. Lintel with Weather shed or Chajja.

10 L1,L2 CO2

ESE

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