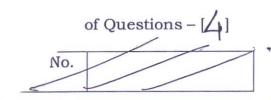
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OCTOBER 2018/ IN-SEM (T2) S. Y. B. TECH. (Civil) (SEMESTER - I)

COURSE NAME: BUILDING MATERIALS AND CONSTRUCTION

COURSE CODE: CVUA21176

(PATTERN 2017)

Time: [1 Hour]

[Max. Marks: 30]

- (*) Instructions to candidates:
- Answer Q.1 OR Q.2 and Q.3 OR Q.4.
- Figures to the right indicate full marks.
- Use of scientific calculator is allowed
- Use suitable data where ever required

Q.1) a) Enlist any four flooring materials. State advantages of each.

[6 marks]

Ans. Enlist - 2 marks. 2 Advantages each- 1 mark each

b) Draw a neat labeled sketch of pitched roof. Ans: A neat figure-4 marks . atleast 4 labels 2 marks [6 marks]

c) Enlist any four types of flooring materials with their application. [4 marks] Ans: Enlist and four-2 marks. 1 application each- 1 mark each

Q.2) a) Explain Long strip method of floor construction Ans: Explain - 4 marks with figure- 2 marks

[6 marks]

[6 marks]

b) Draw a neat labeled sketch of queen post truss. Ans: A neat figure- 3 marks. Atleast 4 labels 2 marks

c) State the circumstances when the following will be used: i)Pitched roof ii) Flat roof iii) dome iv) shell roof.

[4 marks]

Ans: One application for each -1 mark each

Q.3) a) Define door. Draw a neat labeled sketch of paneled door.

[6 marks]

Ans: Define: 1 marks. Figure with 4 labels atleast 5 marks

b) Enlist different types of windows and explain any one in detail. [4 marks]
Ans: Enlist atleast 4 – 2 marks. Explain any one- 2 marks

c) Write a short note on location of doors and windows Ans: Location of door- 2 marks and window-2 marks [4 marks]

OR

Q.4) a) Enlist with figures different types of hinges used in residential building.

[6 marks]

Ans: Enlist -2 marks. Figures of any four - 1 mark each

b) Enlist different types of doors and explain any one in detail. Ans: Enlist atleast 4 types- 2 marks. Explain any one- 2 marks [4 marks]

c) Draw a dormer window and bay window Ans: Dormer window- 2 marks. Bay window- 2 markss. [4 marks]