Marking scheme

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:
1) Answer Q.1 OR Q.2 and Q.3 OR Q.4.
2) Figures to the right indicate full marks.
3) Use of scientific calculator is allowed
4) 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. [6 marks]
Ans: A neat figure-4 marks . atleast 4 labels 2 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

OR

Q.2) a) Explain Long strip method of floor construction [6 marks]
Ans: Explain – 4 marks with figure- 2 marks

 b) Draw a neat labeled sketch of queen post truss. [6 marks]
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 [4 marks]

Ans: Location of door- 2 marks and window-2 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. [4 marks]

Ans: Enlist atleast 4 types- 2 marks. Explain any one- 2 marks

c) Draw a dormer window and bay window [4 marks]

Ans: Dormer window- 2 marks. Bay window- 2 markss.