

Mid-West University
Examinations Management Office
End-Semester Examinations -2080

Bachelor level/ B.E. Civil /3rd Semester
Time: 3 hours

Full Marks: 50
Pass Marks: 25

Subject: Building Construction & Building Drawing (CE435/CE208)

- *Attempt all the questions*
- *Figures in the margin indicate full marks.*
- *Assume suitable values, with a stipulation, if necessary.*
- *Candidates are required to answer the questions in their own words as far as possible.*

- 1 (a) Why is ventilation required in building? Discuss natural ventilation system in detail. [1+4]
(b) Explain the process of setting layout plan of Building with figure. [5]
- 2 (a) Define sub-structure. Explain various types of shallow foundation with necessary sketches. [1+4]
(b) What do you mean by bearing capacity of soil? Explain. [2]
- 3 (a) What do you mean by stone masonry? Explain the different types of rubble masonry. [1+4]
(b) Explain the different types of truss with sketches. [4]
- 4 (a) Design a dog-legged stair for a building in which floor height is 3.6m, the stair hall measures 2.5m*5m. Assume necessary data. [5]
(b) What are the function of door? State the types of battens door with illustration. [1+3]
- 5 (a) What are the precautions to be carried out during scaffolding? Discuss suspended scaffolding. [2+2]
(b) What do you understand by plastering works? Describe the methods of plastering. [1+3]
- 6 (a) Write short notes: [4x1=4]
(i) Underpinning
(ii) CCTV
(iii) Beaded pointing
(iv) Bronze Paint.
(b) Explain the typical roof top rain water harvesting system and five protections. [3]

The End