

School: SOE	Level: BE	Program: BCE	Exam Year: 2080, Push
Subject: Building Technology (EG505CE)			Year/Part: II/I (Model Question)
GROUP A (Multiple-Choice Questions)			[10x1=10]

- i. Answers should be given by filling the Multiple-Choice Questions' Answer Sheet.
- ii. Rough can be done in the main answer sheet
- iii. Maximum time of 20 minutes within the total time is given for this group.

1. Which among the following soil have lowest capillary rise
 - a. Gravel
 - b. loam
 - c. Silt
 - d. Clay
2. Which of the following bond is used in partition wall construction?
 - a. English
 - b. Flemish
 - c. Header
 - d. stretcher
3. Which of the following flooring absorbs sound
 - a. Cork flooring
 - b. vinyl flooring
 - c. Laminate flooring
 - d. wood flooring
4. Bricks that are cut along the length in half is called as
 - a. queen closure
 - b. king closure
 - c. bates
 - d. mittered closure
5. Party walls are
 - a. wall used in party hall
 - b. wall used in two adjoining properties
 - c. Wall used in commercial building
 - d. wall used in residential building
6. Which part of the machine in lift is responsible for fail safe operation of lift
 - a. controller box
 - b. overspeed governer
 - c. counterweight
 - d. Hoistway

7. The picture (Fig I) below is an example of which roof
 - a. Gable
 - b. Mansard
 - c. Gambrel
 - d. salt box



Fig I

8. The bulk portion in the corner where bricks are projecting beyond the wall (in fig no II) is called
 - a. Bates
 - b. quoin
 - c. beveled
 - d. Mitered



Fig II

9. Vertical tubes that serve as main load bearing members of scaffold is called as
 - a. Transoms
 - b. Guard rails
 - c. Ledgers
 - d. Standards
10. The technique to strengthen and stabilize the foundation of existing building is called as
 - a. scaffart
 - b. Trenching
 - c. Underpinning
 - d. Shoring

Multiple Choice Questions' Answer Sheet

Marks Secured: _____

In Words: _____

Examiner's Sign: _____ Date: _____

Scrutinizer's Marks: _____

In Words: _____

Scrutinizer's Sign: _____ Date: _____

Corrected Fill

(A) ● (C) (D)

Incorrected Fill

✗ (A) ● (C) (D) ✓

1. (A) (B) (C) (D)	6. (A) (B) (C) (D)
2. (A) (B) (C) (D)	7. (A) (B) (C) (D)
3. (A) (B) (C) (D)	8. (A) (B) (C) (D)
4. (A) (B) (C) (D)	9. (A) (B) (C) (D)
5. (A) (B) (C) (D)	10. (A) (B) (C) (D)

MANMOHAN TECHNICAL UNIVERSITY
Office of the Controller of Examinations
Exam Year: 2080, Push

School: SOE	Level: BE	Program: BCE	Time: 3 Hours
Year/Part: II/I (Model Question)			Full Marks: 50
Subject: Building Technology (EG505CE)			Pass Marks: 20

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ The figures in the margin indicate Full Marks.
- ✓ Assume suitable data if necessary.

GROUP A (Multiple-Choice Questions and Answer Sheet in separate paper) [10x1=10]

GROUP B (Short Answer Questions - Attempt Any Eight) [2x8=16]

1. What is a cavity wall?
2. What are the functional requirements of the foundations?
3. List various types of raft foundation.
4. What is epoxy coating in flooring? Write its uses.
5. What are party walls?
6. Explain about fail safe principle of lift.
7. Explain king post truss.
8. Write the requirement of good plaster.
9. What are the various parts of scaffolding?

GROUP C (Long Answer Questions - Attempt Any Six)

10. What is damp proofing in building construction? Explain various method of damp proofing. [1+3]
11. Draw a Linear scale diagram with boundary value and soil type for classification of soil based on size. Describe about precast pile and beam foundation. [2+2]
12. What is timbering of trenches. List out the various method of it and explain any one of them. [1+3]
13. Write about various brick bond used in wall construction. Describe about two of them. [1+3]
14. Plan a dog-legged stair for a building in which the vertical distance between floor is 3.6m. The stair hall measures 2.5m x 5m. [4]
15. Explain the evolution of the patented technology of Howe, Pratt and warren truss with suitable figure. [4]
16. What is pointing work? List the types of types of doors. [2+2]

☺☺ **The End** ☺☺