

Roll No.

3025

**B. Tech. 3rd Semester (Civil Engg.)
Examination – December, 2022**

INTRODUCTION TO CIVIL ENGINEERING

Paper : PCC-CE-201-G

Time : Three hours]

[Maximum Marks : 75

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* question from each Unit. Question number 1 is *compulsory*. All questions carry equal marks.

1. Describe the following : 3 × 5 = 15

(a) Composite Masonry

(b) Green Building Concept

(c) Seasoning of Stones

(d) Geotextile material

(e) Fire Resisting construction

SECTION – A

2. Explain the broad disciplines in civil engineering and importance of civil engineering. 15

3. What is reinforced brick work and also explain defects in brick work? 15

SECTION – B

4. Explain the manufacturing process of tiles and types of tiles. 15

5. Explain the various types of paints and varnishes used in civil engineering works. 15

SECTION – C

6. (a) Explain different types of flooring used in civil engineering works. 7.5

(b) What are the fixtures and fasteners used for doors and windows? 7.5

7. What do you mean by sub-surface investigation and foundation used in water logged areas? 15

SECTION – D

8. Explain the method of prevention of dampness and fire protection requirements for building. 15

9. Explain the classification, measurement and transmission of sound. 15