

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