

Total No. of Questions : 8)

[Total No. of Printed Pages : 2

Roll No. [REDACTED]

FT-3005 (CBGS)

B.E., III Semester

Examination, December 2017

Choice Based Grading System (CBGS)
Town Planning and Safety in Construction

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
 ii) All parts of each question are to be attempted at one place.
 iii) All questions carry equal marks.

1. a) What is ribbon development? What are its disadvantages?
 b) Discuss the guideline and principles of town planning.
2. a) What is town survey? What are the usual topics covered in it?
 b) What are the factors to be considered for the detailed zoning for a military town?
3. a) Differentiate between setback and projection in margins.
 b) Briefly mention the building bye-laws for residential area of a typical town planning scheme.
4. a) Discuss the common ergonomic risks related to construction activities.
 b) Write short note on the ergonomic risk related to various construction activities. Suggest methods to reduce these risk.

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5. a) Explain the safety in demolition operation and also write the precaution prior to it? — (4)
 b) Explain the safety requirement for following operation:
 i) Operation of mobile crane
 ii) Using hoist in for constructions activity
6. a) Discuss the general safety requirement while carrying out work in confined space. — (4)
 b) Discuss the general safety requirement while using scaffolds.
7. a) Discuss the provisions on wage related rules in contact labour act and rules.
 b) Describe the brief importance of good housekeeping in construction safety.
8. Write the general provisions given in the Building and other Construction "Workers Act-1996 with respect to
 a) Noise and Vibration
 b) Lifting and Carrying weights
