

FT - 302**B.E. III Semester**

Examination, December 2015

Town Planning & Safety in Construction Industry*Time : Three Hours**Maximum Marks : 70*

- Note:-** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
 ii) All parts of each question are to be attempted at one place.
 iii) All questions carry equal marks, out of which part A and B (Max. 50 words) carry 2 marks, part C (Max. 100 words) carry 3 marks, part D (Max. 400 words) carry 7 marks.
 iv) Except numericals, Derivation, Design and Drawing etc.

Unit - I

1. a) What are skyscrapers? Are they are desirable?
 b) Mention the requirements of a good city road.
 c) Discuss the arrangements made at important road junctions.
 d) Discuss the requirements of new towns. How is growth of town related to means of transport?

OR

What are the factors to be considered at the time of selecting villages for housing project and for improvement programme?

Unit - II

2. a) How safety committee is formed?
 b) What do you understand by term 'Structural Soundness'?
 c) Explain the hazards in construction industries.
 d) What are the steps to be taken in case of accidents in a construction site?

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OR

What is accident investigation and reporting procedure? Explain with any example, accident in construction industry.

Unit - III

3. a) What is fire triangle? Explain the role of it in fire extinguishment.
 b) Explain fire prevention measures to be adopted for construction Building.
 c) What safety precautions are to be taken for the safety of workers on under ground works?
 d) What is scaffolding? Write safety precaution. While using it.

OR

Describe safety precautions in various type of earth moving machinery equipments used in construction sites.

Unit - IV

4. a) Explain demolition operations.
 b) What are the steps to be taken before demolition?
 c) Discuss safety precautions are to be taken for building during demolition.
 d) Discuss the effect of fire on structural steel constructions. How can we improve its performance.

OR

What are safety measures with respect to building material including cement, timber, glass and paints.

Unit - V

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5. a) Define "PPE's" and its type.
 b) Discuss the general principle for rendering First Aid.
 c) What are occupational diseases? Enlist any two of them.
 d) Write down the salient features of building and other construction worker Act 1996.

OR

What is the impact of accident on management, workers and society? Explain cost of accident and various way for prevention of accidents.