

Roll No .....

**FT - 302**

**B.E. III Semester**

Examination, June 2016

**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 questions 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.

1. a) What do you mean by Sky Scrapper?  
b) What are the different types of roads in urban areas?  
c) Enlist the various stages of site orientation in layout of housing area.  
d) Explain the term residential housing. Describe the classification of housing unit.

OR

Write a detailed note on drainage and water supply.

2. a) Enlist the causes of accidents.  
b) What is safety budget?  
c) Explain the applicability of safety committee.  
d) Write a short note on accident investigation and reporting.

OR

What are the various duties of safety officer as per rule No.72(c) of factories Act 1948?

3. a) Define safe working load.  
b) What are the various machinery used for underground works?  
c) Write a note on handling of explosives.  
d) Explain the safety in using and operation machinery for excavation and trenching.

OR

Discuss the classification of explosives.

4. a) Define demolition operations.  
b) What are the classification of petroleum products?  
c) Enlist sequence of demolition operation from safety point. <http://www.rgpvonline.com>  
d) Describe the safety measures with respect to building material steel and cement.

OR

What is "Safety Work Permit"? Design or draft a safety work permit for height or digging.

5. a) What are personal protective equipments?  
b) Define occupational diseases.  
c) Explain the respiratory protective equipments.  
d) Describe the first aid procedure for eye wound, suffocation, abdominal wound and heat stroke.

OR

Write a detailed note on health welfare measures and occupational health centers.

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