

Roll No.

24866

**B. Tech. 7th Sem. (Fire Tech. & Safety)
Examination – December, 2016**

SAFETY IN CONSTRUCTION

Paper : FT-433-F

Time : Three Hours]

[Maximum Marks : 100

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 any **five** questions in total. Questions No. 1 is **compulsory** and must be attempt **one** question from each Section.*

1. (a) Explain the relevance of ergonomics in the construction safety. 5 × 4 = 20
- (b) What do you mean by conveyor and where it is used ?
- (c) What must be the function of the labour welfare board ?

- (d) Explain the safety precautions should be taken in the case of demolition.

SECTION – A

2. Which types of factors must be kept in mind to frame the contract conditions on safety in the constructions ? 20
3. Explain the role of a human being on safety to construct the multi storey building. 20

SECTION – B

4. What are the Indian standards on construction safety and explain also the national building code ? 20
5. Which types of safety precautions must be followed to construct the Tunnel ? 20

SECTION – C

6. Explain the safety method during the working of the vehicles and cranes. 20
7. Explain the different types of Pneumatic tools in construction for the purpose of the safety. 20

SECTION – D

8. Explain the Building and other construction workers (RE & CS) Act, 1996 and central rules in detail. 20
9. Write the short note on following :
- (a) General safety and training to the building workers. 10
- (b) Welfare and Health provision in the Labour act. 10
