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B.Tech. 7th Semester, (F) Scheme (Fire Tech. and Safety)

Examination, December-2018

SAFETY IN CONSTRUCTION

Paper- FT-433-F

Time allowed : 3 hours]

[Maximum marks : 100

Note: Students have to attempt 5 questions in total, at least one question from each section. Question No. 1 is compulsory.

1. (a) Discuss the relevance of the ergonomics in the construction safety.
- (b) Explain the National Building code.
- (c) How will you provide the safety while storing the cement.
- (d) Discuss the Health provision in the Act. $4 \times 5 = 20$

Section-A

2. Discuss the human factor in the construction safety and also discuss the role of Social group to ensure the safety in the construction industry. 20
3. How will you frame the Contract Condition and related safety issue while construction of the Multistorey Building. 20

Section-B

4. Discuss the safety operation during the excavation and under water works. 20

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24866

5. Discuss the Construction Safety norms and provision as per the Indian Standard. 20

Section-C

6. Explain the safety precautions while using the conveyor and temporary power supply. 20
7. Discuss the safety norms of pneumatic and hydraulic tools in the Construction. 20

Section-D

8. Explain in detail the RE and CS Act 1996 and Central rules 1998. 20
9. Explain the following terms.
- (a) Welfare Board and Welfare Fund. 10
- (b) Training of Building Workers. 10

24866