

Roll No.

24761

**B. Tech. 4th Semester (FT)
Examination – May, 2017**

SAFETY ENGINEERING & MANAGEMENT

Paper : FT-202-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 *five* questions in all, selecting *one* question from each Section. Question No. 1 is *compulsory*.

All questions carry equal marks.

1. (a) What is the need of safety committee ? 5
(b) What is hot work permit ? 5
(c) What is JSA ? 5
(d) What is TOR ? 5

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SECTION -- A

2. What is Safety Organization ? What are its objectives, types, functions ? 20
3. (a) What is the role of management in safety ? 10
(b) What are different types of safety committee ? 10

SECTION -- B

4. (a) Discuss the 5s of housekeeping. 10
(b) What are various training method ? 10
5. Explain the following : 20

- (a) Barrier to communication.
(b) Behaviour oriented training.

SECTION -- C

6. (a) What is the inspection procedure ? 10
(b) What are the different safety inventory techniques ? 10
7. Explain the following : 20

- (i) Safety audits.
(ii) Safety sampling technique.

SECTION -- D

8. (a) Discuss the why, when, where in accident investigation. 10
(b) Discuss the process for the investigation. 10
9. Write short notes on the following : 20
- (a) Role of supervisor in safety
(b) MORT