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**B.Tech 6th Semester (Fire Tech & Safety) F-Scheme
Examination, May-2017**

IDENTIFICATION & RISK ASSESSMENT

Paper-FT-308-F

Time allowed : 3 hours] [Maximum marks : 100

Note : Attempt any five questions. Question no. 1 is compulsory and attempt one question from each of the section.

1. (a) What do you mean by Risk Assessment ?
(b) Explain Bath tub curve.
(c) What is Probit Function ?
(d) What do you mean by accepted and imposed risk ?
4×5=20

Section-A

2. Explain the Hazard with their types, structure and identification. 20
3. Write short note on following :
(a) Explosive Hazard Index
(b) Mond Index

Section-B

4. Explain the FMEA with their methodology analysis and corrective action. 20

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5. How will you do fault tree analysis ? Explain in detail. 20

Section-C

6. Explain the following term : 7,7,6
(a) Explosive Effect
(b) Toxic Gas Effect
(c) Thermal Effect
7. Explain in detail the source model. 20

Section-D

8. Write the short notes on following : 7,7,6
(a) OAT
(b) ASEP
(c) THERP
9. Explain the QRA in detail with all respect. 20

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