

SECTION-D

No. of Printed Pages : 4

Roll No.

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Note: Long answer type questions. Attempt any three questions out of four questions. (3x10=30)

Q.33 Explain slow combustion, spontaneous combustion and rapid combustion with examples.

Q.34 Explain various ways to extinguish electrical fire.

Q.35 Explain the methods of internal and external storage of flammable and toxic substances.

Q.36 Explain briefly various non conducting extinguishing agents.

(40)

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3rd Sem. / Fire Tech & Safety

Subject : Science of Fire Technology

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Objective type questions. All questions are compulsory (10x1=10)

Q.1 Give the definition of fire.

Q.2 List various types of smokes.

Q.3 What do you mean by combustion.

Q.4 What are insulators.

Q.5 Give two examples of conductors.

Q.6 What is electric hazard.

Q.7 What is function of fuse.

Q.8 What is short circuit.

Q.9 Write two extinguishing agents.

Q.10 What is the full form of LPG.

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SECTION-B

Note:Very short answer type questions. Attempt any ten questions out of twelve questions. (10x2=20)

- Q.11 Explain what do you mean by ignition.
- Q.12 What are the essential elements for fire.
- Q.13 What are hazardous materials.
- Q.14 Give examples of hazardous materials.
- Q.15 What are different types of electricity.
- Q.16 What is junction box.
- Q.17 What are switch gears.
- Q.18 What are various types of wiring transformers.
- Q.19 Explain heating effect of current.
- Q.20 Explain the role of CO_2 in fire fighting.
- Q.21 What are radioactive substances.
- Q.22 What is the material of fuse.

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SECTION-C

Note:Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)

- Q.23 Explain the properties of flammable material.
- Q.24 What is triangle of fire.
- Q.25 What are the effects of combustion.
- Q.26 What is earth leakage.
- Q.27 Explain fire fighting techniques for live installation.
- Q.28 Explain various methods of generation of electricity.
- Q.29 Differentiate between conductors and insulators.
- Q.30 Explain the methods of internal and external storage of radioactive substances.
- Q.31 What are different methods of fire extinction.
- Q.32 Explain the correct medical treatment to be applied in reaction to fire fighting with fats and waxes.

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