

## SECTION-D

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

Q.33 Explain construction and working of CO<sub>2</sub> water type extinguisher.

Q.34 Explain various foam making equipments.

Q.35 Explain the function of various sophisticated small gears used in fire service.

Q.36 Explain the principle and practical considerations of various methods of water relay and operational hints.

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**4th Sem. / Fire Tech. & Safety**

**Subject : Fire Equipment and Machinery**

Time : 3 Hrs.

M.M. : 100

## SECTION-A

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

Q.1 What is the role of fire extinguisher.

Q.2 What are concentrates.

Q.3 What is the purpose of jack.

Q.4 Give the use of lifting bag.

Q.5 What do you mean by priming of pump.

Q.6 What is full form of TTL.

Q.7 What is a use of hydraulic platform.

Q.8 Write full form of BA in fire service.

Q.9 What is the use of face mask.

Q.10 What is the function of reducer.

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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 the use of Hallon clean agent extinguisher.
- Q.12 What do you mean by compatibility of foam.
- Q.13 Explain care and maintenance of foam making equipments.
- Q.14 Explain repair of hose and hose fittings as per ISI.
- Q.15 What is chain saw
- Q.16 Explain protective clothing
- Q.17 What is the purpose of canteen van
- Q.18 What are blower exhausters
- Q.19 What is foam tender
- Q.20 What is the need of BA set in fire service.
- Q.21 What is distress signal unit.
- Q.22 What is communication equipment in fire service.

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## SECTION-C

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

- Q.23 Explain mechanical foam extinguisher
- Q.24 What are IS specification of extinguishers
- Q.25 What are different types of foam concentrates.
- Q.26 What are the latest development in hose and hose fittings as per ISI.
- Q.27 What are power operated gears used in fire service.
- Q.28 Explain the function of powered spreader
- Q.29 What are various cutting tools in fire service.
- Q.30 What is emergency tender.
- Q.31 Explain pumps and their standard specifications.
- Q.32 What are extension ladders.

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