

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Discuss about constructional features of centrifugal pumps?
- Q.4 Effect of specific speed on the efficiency of single stage centrifugal pump.
- Q.5 Explain in detail the pipe connections & maintenance of pumps.
- Q.6 What is the principle of fire extinguisher? Write about the selection of fire extinguisher?
- Q.7 Discuss in detail the characteristics of fire Fighting Tenders and their standards.

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5th Sem. / Fire Tech & safety

Subject : Fire Tender and Pumps

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) Write the use of hose laying lorry?
- b) What is foam crash tender?
- c) What is the need of BIS standards?
- d) What are common pumps?
- e) Define the static pressure in water tender.
- f) What is canteen van?
- g) Need of road test?
- h) Advantages of fire extinguishing agents.
- i) What are hydraulic platforms?

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- j) Advantages of fire extinguishers.
- k) Properties of foaming agent.
- l) Explain scene safety.
- m) What is priming test?
- n) What are the limitations of fire extinguishers?
- o) What is breakdown van?
- p) Define charging a hose.
- q) What is residential sprinkler?
- r) Define residual pressure.
- iv) Write about universal precautions.
- v) Write about the ventilation requirements in fire & smoke area.
- vi) Write down the classification of foam making equipments.
- vii) Discuss the system installation using dry powder.
- viii) Properties of rescue tender.
- ix) Discuss the automatic sprinkler systems.
- x) Discuss the portable foam making system.
- xi) What is break down van?
- xii) Write the advantages of control unit van.
- xiii) Write about testing of Platforms.
- xiv) Write about maintenance of fire tenders.
- xv) Discuss in detail the foam making techniques.

SECTION-B

Note: Short answer type questions. Attempt any ten parts
10x4=40

- Q.2
- i) What are the standards for pumps used?
 - ii) What is overhauling of fire equipments?
 - iii) Describe the pre-fire incident planning.

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