

FIRE PREVENTION AND INDUSTRIAL SAFETY

(626)

Time : 3 Hours]

[Maximum Marks : 80

Note : All questions are compulsory and carry marks as indicated against each question.

SECTION—A

Fill in the blanks (Write the appropriate word(s) in your answer-book) :

1. Metal fires can be extinguished by using — method. 1
2. Flash fire is a — lived fire. 1
3. Water is — conductor of electricity. 1
4. — extinguisher can be used on live electrical equipment involved in fire. 1
5. — pump can be towed. 1
6. Pump should always be kept in — condition. 1
7. Non-respiratory PPEs are used to protect —. 1
8. Air purifying PPEs purify the — during operation. 1
9. Search is a part of — operation. 1
10. Fireman's lift is used for — of casualty. 1
11. Carries is a part of — operation. 1
12. ABC of first aid stands for —. 1
13. CPR can be performed by — person. 1

14. Sometimes salvage is done — the emergency. 1
15. Salvage can be classified into — groups. 1
16. Emergency plans are of — types. 1
17. — is the District Emergency Authority. 1
18. Ceiling Hook is used for —. 1
19. On-site emergency plan deals with —. 1
20. Safety is a statutory —. 1

SECTION—B

Answer the following questions in minimum of 30 words each :

21. How are the fires classified? 3
22. Name various equipments that help in extinguishing the fires. 3
23. With the help of a neat diagram, explain the construction and working of Water-CO₂ type fire extinguisher. 3
24. Enlist the jobs to be done during monthly/quarterly/annual/biannual inspection of fire-fighting equipment. 3
25. Explain the utility of fire monitor/fire hydrant and riser. 3
26. Name *three* small gears you consider important for fire fighting purposes and write their utility. 3
27. Write a note on respiratory type PPE. 3
28. Name *three* main types of carries commonly used by the rescuers. 3

- 29.** Discuss about fracture and its first aid. 3
- 30.** Explain the usefulness of the salvage work at fires. 3
- 31.** Explain the importance of training and drills for success of emergency plan. 3
- 32.** Enlist and explain the objectives of the safety system documentation. 3

SECTION—C

Answer the following questions in minimum of 150 words each :

- 33.** With the help of a neat diagram, explain the construction and working of DCP type fire extinguisher. 6
- 34.** Discuss various elements of concept of industrial safety. 6
- 35.** Enlist the problems concerning industrial safety and suggest remedies. 6
- 36.** Discuss why safety is important in an industry. 6

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