

C-4572

Sub. Code

84017

DIPLOMA EXAMINATION

**FIRE ENGINEERING, DESIGNING AND
INSTALLATION**

NOVEMBER 2021 EXAMINATION

First Semester

SAFETY IN FIRE WORK INDUSTRY

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part - A

(10 × 2 = 20)

Answer **all** questions.

1. Define Explosion.
2. Name the Fireworks chemicals :
(a) $KClNO_3$ (b) $CaNO_3$
3. What is Earthing?
4. Define PPE.
5. What is Fuse cutting?
6. Define Safety Quantity.
7. Define Manual Handling.
8. What is PASS method?
9. What are the types Burns?

10. List some Hand tools used in Fire work industries.

Part - B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the properties of Potassium nitrate.

Or

(b) Discuss the Fire properties of Strontium nitrate and Sodium nitrate.

12. (a) Write short notes on Biological barriers.

Or

(b) Describe about Pollution prevention.

13. (a) Write short notes on Fire prevention and control.

Or

(b) Describe about Fuse Fixing and Finishing.

14. (a) Write short notes on Fire Pump and Fire House.

Or

(b) Write short notes on Hydrant Installation.

15. (a) Write the short notes on Exit requirements.

Or

(b) Write short notes on Overlapping of Fire Zones.

Part - C

(3 × 10 = 30)

Answer **all** questions, choosing either (a) or (b).

16. (a) Explain the fire safety the temporary occupancies.

Or

(b) Explain Inspection and maintenance of Extinguishers.

17. (a) Explain about probe type high temperature in metal heat detectors.

Or

(b) Illustrate maintenance checklist for Hydrant.

18. (a) Explain about Fire escape and Stair cases.

Or

(b) Explain BLEVE.
