

- Q.19 Define ecosystem and what are the factors which effects the ecosystem.
- Q.20 Explain personal protective equipment as clothing used in industry.
- Q.21 Explain concept of fire triangle.
- Q.22 Explain fire and their classification.

### SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)
- Q.23 Write various types of fire extinguishers and with their applications.
- Q.24 What the safety measures to transport chemicals and write precautions in case of process operations.
- Q.25 Write are industrial accidents & their classification.

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### 5th Sem / Plastic Technology

### Subject : Industrial Hazards and Safety

Time : 3 Hrs. M.M. : 60

### SECTION-A

- Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 The reason for considering safety include
- a) Humanitarian concern
  - b) Economical reasons
  - c) Laws & Regulations
  - d) All of these
- Q.2 What is the first step in one event of a fire in workplace?
- a) Sound the alarm
  - b) Extinguish the fire
  - c) Evacuate the building
  - d) Call a fire station

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- Q.3 The barrel of a molding machine is mainly heated by
- a) Solar energy
  - b) Hot air
  - c) Band heaters
  - d) None of these
- Q.4 Why is it important to properly store chemical in a workplace?
- a) It makes the workplace look tidy
  - b) It saves money
  - c) To make it easier to find chemical
  - d) To prevent accidents and exposure
- Q.5 \_\_\_\_\_ of every year is celebrated as national safety day.
- a) March 4
  - b) April 14
  - c) April 4
  - d) March 14
- Q.6 What is the purpose of a safety data sheet (SDS)?
- a) To provide lunch recipes
  - b) To list company profiles
  - c) To provide information about hazards of chemicals
  - d) None of these

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## SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Define limit switches.
- Q.8 Define ecosystem.
- Q.9 Define concept of safety.
- Q.10 Write an example of fire extinguishing material.
- Q.11 Write two safety precautions.
- Q.12 Define schedules maintenance.

## SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Explain hazards and their classification.
- Q.14 Write importance of safety in chemical process industry.
- Q.15 Explain concept of toxicity.
- Q.16 What are the hazardous chemical, their symptoms and remedial action.
- Q.17 Explain accident and their classification.
- Q.18 What are the general treatment after accident and explain safety precautions.

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