

JOB ROLE – HAND EMBROIDERER

Sector – Apparel, Made-Ups and Home Furnishing
(Qualification Pack Code: AMH/Q 1001)



PSS Central Institute of Vocational Education Shyamla
Hills, Bhopal – 462 013, Madhya Pradesh, India

UNIT 5: SAFETY, MAINTENANCE AND ORGANISATIONAL HAZARDS

Session 1: Organisational Hazards and Safety Measures

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Session Objectives

The students will be able to:

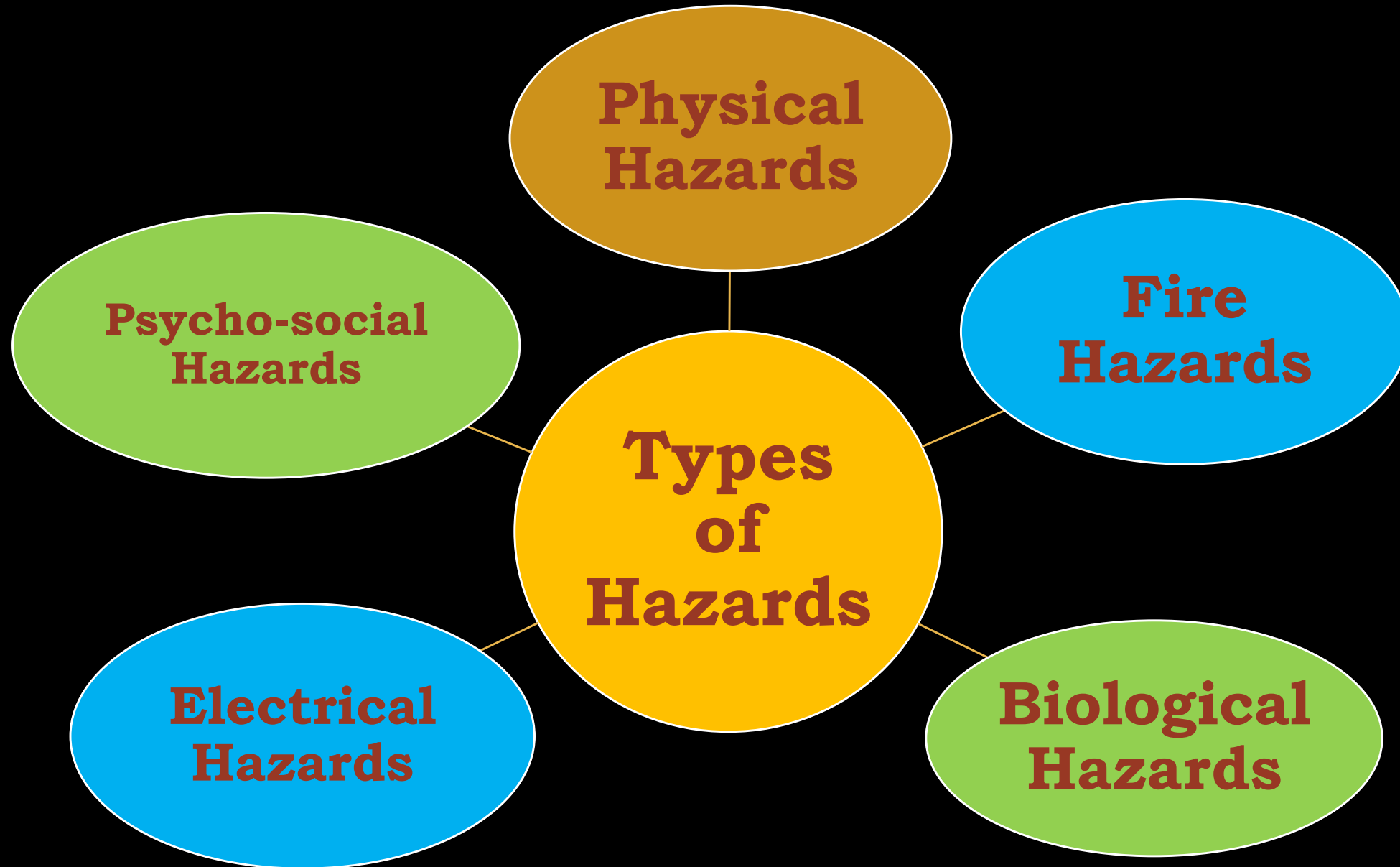
- Identify potential organisational hazards and its types
- Describe reasons and preventions against various hazards

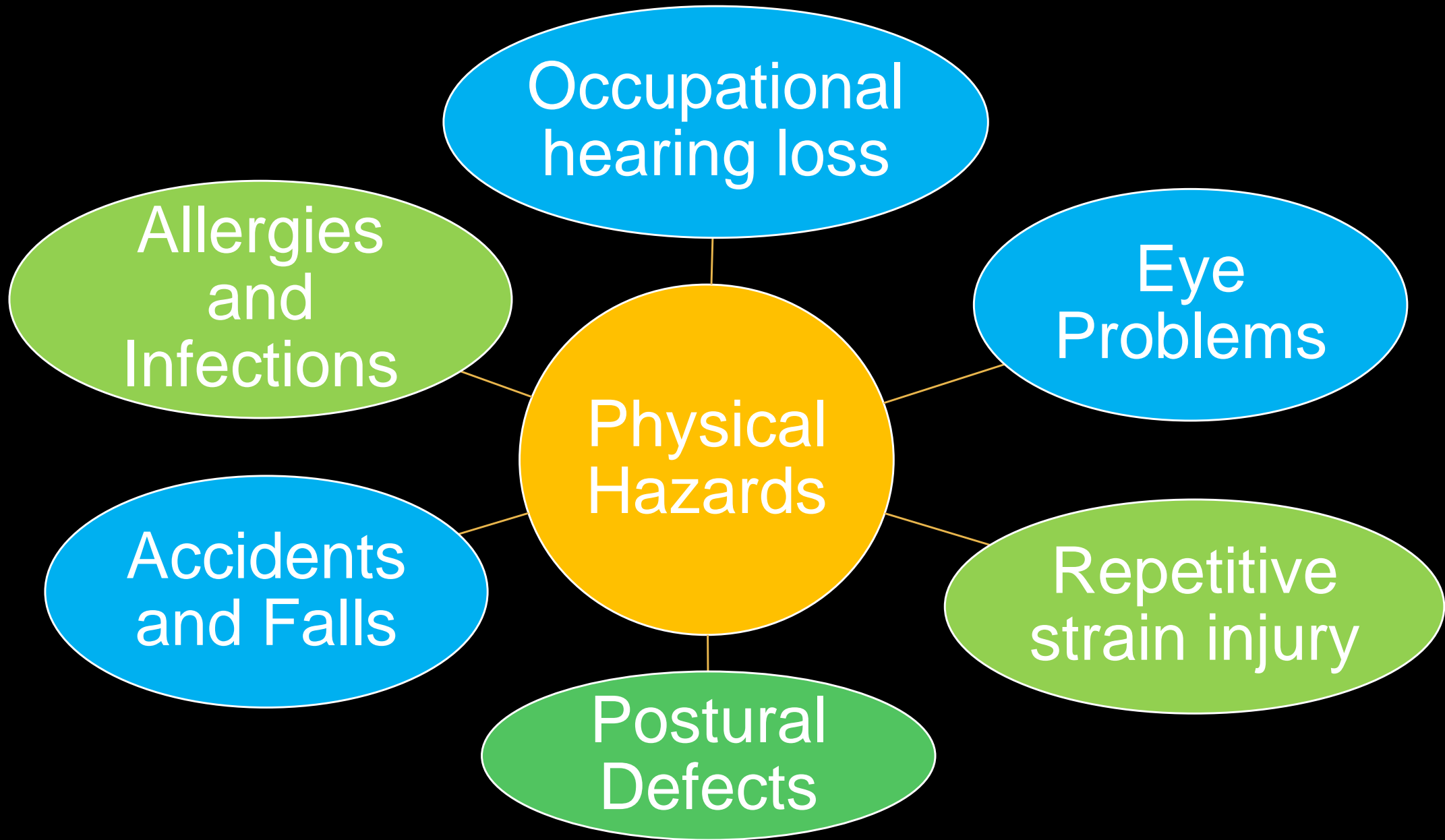
Introduction

All industries have different type of tools, equipment and machinery. There is always a risk of hazards while operating machines. They have be physical, biological, psychological, electrical etc. While handling tools and machines, employees should follow safety instructions. Employees should take precautions to guard against work related hazards and accidents.

Hazard

Hazard – A hazard is a factor or circumstance which may result in injury, loss or damage to the body or even death in worse cases





Physical Hazards

S. no.	Reasons	Prevention
1.	Constant loud noise of machines	Minimising and reducing noise and vibrations at workplace
2.	Extreme temperatures and heat	Proper ventilation and air conditioning

Physical Hazards

S. no.	Reasons	Prevention
3.	Poor design of workstations leading to postural defects and related injuries	Ergonomically designed workstations
4.	Accidents and falls	Antiskid and slip proof surfaces

- Training employees to identify and stay away from physical hazards

Fire Hazards

These are the hazards at the workplace due to the presence of flame, flammable material or the risk of uncontrollable fire.



Fire Hazards

S. no.	Reasons	Prevention
1.	Flammable material such as fabrics, yarns, liquids and chemicals in the workplace	Proper storage of flammable material
2.	Poor maintenance of fire extinguishers and other protective equipment	Proper maintenance of fire safety equipment

Fire Hazards

S. no.	Reasons	Prevention
3.	No emergency exits, no provision of alarms and hooters	Well lit and marked emergency exits, proper smoke alarm
4.	Lack of Training and fire drill for the staff Fire Extinguisher	Conducting regular fire drills, safety workshops and training for employees



Biological Hazards

- Biological substances such as bacteria, viruses, sewage, and toxins that can affect or cause harm to health
- Biological hazards due to chemicals are very common in apparel and textile industry, specially while dyeing and printing

Reasons of Biological Hazards

- Dingy and dark workplace
- Unhygienic working conditions
- Dirty washrooms
- Infections from other workers and employees
- Animal bites and stings

Controlling Biological Hazards

- Workplace should be clean, well lit, airy and hygienic
- Training of employees for proper usage and disposal of toxins, chemicals, other wastes and hygiene practices

Psycho-social Hazards

- These are occupational hazards such as work stress, tension, low self esteem which can affect the emotional and mental health of workers or employees.

Reason of Psycho-social Hazards

- **feeling of job insecurity**
- **long working hours**
- **pressure of quantitative production at the cost of quality**

- **harassment at workplace**
- **poor work life balance**
- **disrespectful atmosphere leading to lack of enthusiasm**

Controlling of Psycho-social Hazards

- | | |
|--|---|
| <ul style="list-style-type: none">➤ Behavioral therapy➤ Counseling➤ Meditation and yoga | <ul style="list-style-type: none">➤ In-house recreation centers➤ Music therapy➤ It's important to control psycho-social hazards as they affect work efficiency |
|--|---|

Electrical Hazards

- It's happen due to contact of the worker with overhead electrical wires, tools, equipment
- Inadequate equipment training, lack of experience and failure to recognize potential electrical threat often result in electric shock or death.

Controlling Electrical Hazards

- Using high quality electrical fittings and wires
- Regular maintenance and check ups of electric wiring, equipment and fittings
- Avoiding overloading of machines or appliances in one point only
- Proper training of staff in handling the equipment

Maintaining Health and Safety of Workers

- Recreation and rest areas and facilities
- Clean and hygienic drinking water, light refreshment
- Ergonomic workstations to avoid strain and injuries due to poor posture
- Fire protection and safety measures to reduce the risk of hazards

Maintaining Health and Safety of Workers

- Training programs for workers' health, safety and equipment usage
- Clean and hygienic workplace
- Adequate washrooms and proper sanitation

Maintaining Health and Safety of Workers

- Respiratory, hand and eye protection
- Adequate ventilation and lighting
- Building awareness towards physical and psychological health
- First aid and dispensary in premises

Summary

In this session, you have learnt about the organisational hazards and its types and reasons & prevention of hazards.

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