

Important Questions (CH-161)

- Q1) Define safe system.
- Q2) What is occupational health and safety and why is it necessary?
- Q3) List different types of workplace hazards.
- Q4) Define the above types of workplace hazards and give examples of each category.
- Q5) Define PPE and enumerate its examples.
- Q6) What safety precautions need to be taken when providing personal protective equipment?
- Q7) Name different types of eye/face hazards.
- Q8) Comment on the following:
- Potential Incidents of eye/face hazards
 - Head protection with specific emphasis on various types of hard hats and their ratings
 - Hand, arm and finger protection
 - Foot protection
- Q9) What is fire?
- Q10) What are some common causes of fire.
- Q11) List the consequences of fire
- Q12) Write a short note on the fire diamond.
- Q13) Define flash point?
- Q14) Does a low flash point correspond to a greater hazard?
- Q15) Name the components of the fire triangle.
- Q16) Discuss four main methods of extinguishing fires.
- Q17) By means of a graph, illustrate various stages of fire development.
- Q18) What are the main hazards and risks of fire?
- Q19) Define the following:
- Direct Burning/ Ignition
 - Ignition Temperature
 - Convection
 - Conduction
 - Radiation
- Q20) Define Active Fire Protection and list its categories along with examples of each category.
- Q21) Name different systems that come under the heading of Passive Fire Protection.
- Q22) Classify different types of fires based on their source.
- Q23) Highlight the evacuation procedure in case of fire.
- Q24) Discuss firefighting decision criteria.
- Q25) Draw and label different components of a fire extinguisher.
- Q26) Analyse different types of fire extinguishers and comment on the correlation between the number on the fire extinguisher and the fuel load of the test fire.
- Q27) What is a fire door?
- Q28) Identify safe work practices when it comes to fire protection and prevention.
- Q29) What are chemical substances?
- Q30) Define chemical hazard.
- Q31) Analyse various types of chemical hazards along with giving illustrations of each category.
- Q32) Discuss various health effects of exposure to chemicals.
- Q33) Identify health risks of chemical exposure.
- Q34) List various routes of chemical exposure.
- Q35) How can an individual assess chemical exposure?
- Q36) Draw hierarchy of controls diagram and label it along with giving relevant examples.
- Q37) What methodology must be followed when it comes to dealing with a chemical spill and/or a chemical fire?
- Q38) Write a short note on handling hazardous waste.
- Q39) Define MSDS.
- Q40) Define chemical label.
- Q41) Mention some safe chemical handling and storage best practices.
- Q42) What are the objectives of machine safety?

- Q43) What are the benefits of safe design.
- Q44) List safe machine operations.
- Q45) Identify five root causes of unpleasant incidents especially when it comes to machine safety.
- Q46) With examples, differentiate between mechanical and non-mechanical hazards.
- Q47) Define PUWER regulation and mention three control methods which fit in this category.
- Q48) Suggest some control measures when it comes to machine safety.
- Q49) Describe various types of machine guarding.
- Q50) What are the basic safety rules that must be adhered to when dealing with non-powered hand tools?
- Q51) List different types of hand-held power tools and mention the general hazards that are affiliated with their usage?
- Q52) What are the various types of hazardous energy?
- Q53) Discuss the six-step procedure of Lock Out Tag Out and identify various LOTO devices.
- Q54) What are the limitations for tag out devices?
- Q55) Define first aid and articulate its three aims.
- Q56) Mention five steps of the first aid procedure.
- Q57) What factors must one account for when examining the victim during a first-aid procedure?
- Q58) What are the important aspects of the information to be noted when calling for assistance or alerting the emergency medical services?
- Q59) Mention the two components of cardiopulmonary resuscitation (CPR).
- Q60) Identify two pressure points of the body for applying indirect pressure in the case of external bleeding, usually associated with a fracture.
- Q61) What are the circumstances in which the use of a tourniquet is permissible?
- Q62) Outline the procedure to be followed when administering artificial ventilation.