

# HSE KNOWLEDGE

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## HSE Interview Questions & Answers



### **(Part 1)**

## **HSE – HEALTH SAFETY AND ENVIRONMENT**

### **What is the HSE Policy?**

Your health and safety policy should provide clear 'direction' as to where you want to be and the strategies that are to be deployed to enable you to reach your chosen destination. It should clarify the vehicle to be used, (in this case BS OHSAS 18001) and detail who will be responsible for driving and steering it throughout the whole journey. As all employees will be required to travel along with you, your planned journey will have to be communicated to all employees.

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## What is the Safety?

- It is a condition which gives you freedom from hazard, risk, accident which may cause injury, damage and loss to material or property damage and even death.  
Or
- The condition of being safe; freedom from danger, risk, or injury.



## What is the safety policy?

Any company has a social and legal obligation to provide a safe and health working environment to all his improvement to all his employees. Safety policy covered management commitments/statement towards safety policy.

## What is the Tool Box?

A Toolbox Talk is an informal safety meeting that focuses on safety topics related to the specific job, such as workplace hazards and safe work practices.

## What is the HSE Induction?

HSE Induction training course is the perfect addition to your employee induction program. Whether new hires or new to the operation, this course can be offered as a general course. For the most value, it can be customized to the specific management system requirements of a particular operation.

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## What are the duties of a safety officer?

- Prepare tool box talk
- Prepare monthly statistics
- Prepare the checklist
- Accident reports
- Management meetings
- Arrange the safety classes/training
- Arrange monthly safety bulletin
- Inspection of fire extinguisher
- Arrange first aid training classes
- Arrange safety competitions like quiz, slogan, poster competitions exhibition etc.

## What are the duties of a safety supervisor?

- He has to instruct these workers about the work methods and procedures.
- He has to maintain discipline among the workers
- He has to supply necessary materials
- He has to control quality and cost of the job
- He has to guide has workers in doing a job in the correct and safe way
- He has to supply suitable personal protective equipment to his workers
- He should conduct periodical safety meetings.
- He should conduct safety inspection of his working area
- He should know about the fire fight equipment's
- He should know investigate the accident and find out the cause of accident

## What is injury?

It is defined as a harmful condition sustained by the body as a result of an accident.

## What is Near Miss?

A Near Miss is an unplanned event that did not result in injury, illness, or damage – but had the potential to do so.

## What is incident?

Work-related event(s) in which an injury or ill health (regardless of severity) or fatality occurred, or could have occurred.

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## What is accident?

It is an unexpected or unplanned event which may or may not result in injury or damage or property loss or death.

## What is hazard?

Source, situation, or act with a potential for harm in terms of human injury or ill health, or a combination of these.

**Hazard identification:** process of recognizing that a hazard exists and defining its characteristics.

## What is risk?

Combination of the likelihood of an occurrence of a hazardous event or exposure(s) and the severity of injury or ill health that can be caused by the event or exposure(s)

**Risk assessment:** process of evaluating the risk(s) arising from a hazard(s), taking into account the adequacy of any existing controls, and deciding whether or not the risk(s) is acceptable.

## What is safety Audit?

The safety audit is the process that identifies un-safe conditions and unsafe acts the plant and recommended safety improvement. Walk through It evaluates the unsafe condition notice able to naked eye during work through the plant. (Stores, civil work, erection work) Inter mediate-more details study and review of plant design and plant operation.

Comprehensive –It evaluates the safety factors in the plant on the base engineering, analysis, testing, and measurement.

## What is safety tag?

Safety tag can be defined a surface made of card board or paper board on which English local languages letters written for warning safety instructions to employees.

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## **What is safety programme?**

Safety programme can be defined as five methods by which accident can be prevent easily they are engineering, education, enforcement, enthusiasm and example safety programmes are plain spoken and carry out certain legal steps.

## **What is emergency planning?**

Emergency planning can defined as a control measures. It can control the accidents safe guard people and provide information to media.

## **What is work permit system?**

Work permit system is a “written documents” for permission to undertake a job by area in charge or it is written document issued by the area in charge to the performer to undertake the specific job.

## **What is work at height?**

Any work above 2 miters from ground is caused work at height.

## **What is confined space?**

An area which is small and enclosed or an area where one entry and exits or where a man cannot work comfortable in any location is caused confined space.

## **What is personal protective equipment?**

It is equipment’s used to project the person from hazards such dust, dirt, fumes and sparks etc. It is the barrier between hazard and person.

## **What is JSA?**

The procedure of analyzing job for the specific purpose of finding the hazards and developing

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## HSE Interview Questions & Answers

### (Part 2)



#### Part 2

## **HSE Interview Questions & Answers**

### **What are the hazards in construction?**

- Fall of person from top and getting injured.
- Fall of objects from top and below person injury.
- Fall of materials from top and damaged.
- Person fall into excavated pit.
- Collapses of soil and below person get injury or may.
- Damage of UG cables and sewage pipe.

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- Collapse of scaffolding and person fall from height, get injury.
- Electrical shock & Fire and explosion.
- Burn injury & Health and lung problems.
- Snakes bite & Poisonous gas

## General safety precautions in construction?

- Adequate first aid equipment should be kept ready.
- Adequate firefighting equipment should be available.
- All general electrical rules should be followed suitable lighting arrangements should be necessary at night work.
- Work men at height should be wear safety belts.
- Work men handling cement should be provided with goggles, rubber gloves and rubber boots by nose mask.
- The moving parts of grinding machines used construction site should be covered with guards.
- The moving parts of grinding machines used construction site should be covered with guards.
- Excavated material should not kept near the excavated.
- Very short duration of work red flags must be hoisted and more duration red banners must be stretched.
- Defective tools should not be used.
- The worker should not carry tools in his hands when climbing a ladder.
- Excavation should be guarded by suitable fencing.

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## What is housekeeping?

Housekeeping means not only cleanness but also orderly arrangement of operations, tools, equipment's storage facilities and suppliers.

## What is manual handing?

The process of lifting, carrying and stacking materials by men is called manual handing.

## What is Crane?

A tall machine used for moving heavy objects by suspending them from a projecting arm with hook.

## What are the hazards in welding?

- Eye injury.
- Burn injury Arc realization.
- Electrical shock Light arc radiation.
- Heat, light and radiation effect Heat fume.
- Poisonous gases Chipped price of weld metal.
- Fire.
- Explosion Scattering.
- Noise Sparking.
- Sparking.
- Flying sand.



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## What are the pre cautions for welding?

- Remove all combustion material from the place of welding.
- Clear the work area and cover wooden floor with fire proof mats. (Welding mechanic should be kept within the visibility of the welders.
- Erect fire resistance screen around the work.
- All welding cables should be fully insulated.
- All welding mics shall be double earthed.
- Welding area should be dry and free from water.
- Keep the fire extinguisher / sand really.
- Use leather hand gloves, goggles and helmets.
- Switch off the power when welding is stopped.
- Do not allow the helper to do welding.
- Do not shift he welding cable unless the electric power is switched off.
- Do not allow the helper to carry the welding. Terminal of the welding cables should.
- Be provided 3-cable with lugs and kept tight.
- Oxygen hose in black and Acetylene hose in red in color as per standard.
- NRV of the blow torches should be maintained properly avoid back fire.
- Welders should be trained properly.
- Cylinders should be stored in a cold dry place away bottom heat and direct sunlight.
- Proper housekeeping, good ventilation in the working area.
- Smoking should be avoided from welding area.
- Hose connection should be proper made.
- Barricade the work area and put a sign board.
- Rolling of cylinders should be avoided.

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- Flash back arrestor should be attached in each cylinder.
- Any leakage of cylinder should be kept separately.

## What is the precaution for gas cutting?

- Keep fire extinguisher nearby.
- Keep fire watch nearby.
- Remove all combustible from work area.
- Use all necessary PPE's.
- Never put welding gas cylinder inside a confined space.

## What are hazards and injuries in manual handling?

- Cutting fingers due to sharp edges.
- Burns due to handling of hot articles.
- Foot injuries due to dropped articles.
- Slipped disc due to improper posture in lifting on object.
- Strains to wrist or fingers.
- Sprains, wounds hernias, fractures.

## Tips for manuals handling?

- Plan.
- Clear the path.
- Move in close to the load.
- Secure your grip.
- Hold your head upright.
- Maintain normal curves of the spine.
- Power the lift with legs and body weight.
- Don't twist.

## Cause of accidents in mechanical handling?

- The sudden failure of wire rope or a chain.
- Slipping of the load from the sling.
- Swinging of the load at the time of lifting.
- The load sometimes hit the man.

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## Cause of accident in construction?

- Erection equipment failure.
- Falling of persons from height.
- Electrical shocks.
- Improper lighting.
- Nonstop working by worker.
- Up safe work methods.
- Collapsing of earth during trench excavation.
- Failure of use safety equipment.
- Working a height without safety belt.

## Safety rules when using ladders?

- The foot wear is not greasy, oily and muddy and has a good grip on the rungs.
- When climbing or coming down a ladder should be face the ladder side and had on with both hand.
- Carry light tools in pockets in a shoulder bag.
- Hold on with at least new hand if use of both hands then, use safety belt.
- Never climb higher than the third rung from the top on straight or second tired from the top on extension ladder.
- Step ladder must be fully open and the divider locked.
- Metal ladder shall not be used near electrical equipment's.
- Metal ladder shall not be place on firm footing and at angle of 75
- Any ladder found defect in any way should be marked do not use
- Ladder shall not be placed on a box or drum.
- Rubber protection on head and heel of a ladder is necessary.

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[Part 3 will come soon](#)

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## Blog Information

**HSE KNOWLEDGE** is the most trusted Health Safety & Environment **Website**, our aims to improve people's knowledge about health Safety & Environment and reduce work-related death, injury and ill health. HSE Knowledge provides detailed range of information and assessments. Our media, bulletin and more provide all the information you need to join professionals in the HSE sector.

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