

Examination questions: Basic Elements of Safety

Event code: mock examination

Please read the following instructions carefully!

This examination is comprised of **40** multiple-choice questions.

Each question is followed by three possible answers, of which only one is correct.

A maximum of **40** marks can be scored in this examination. Every correct answer scores 1 mark.

You will have passed when you score at least **28** marks.

The maximum time for this examination is **60** minutes.

Requirements:

- these examination questions
- the answer sheet (used to note your answers)
- a pencil and eraser

Directions:

- make sure that you have all the pages in these examination questions
- only use a pencil to enter your answers on the answer sheet
- note your answers under the corresponding question numbers on the answer sheet
- indicate your answer by using your pencil to blacken the appropriate square
- always thoroughly erase any incorrectly entered answer

A multiple-choice question will be regarded as incorrectly answered when:

- the wrong answer has been chosen
- more than one square has been blackened
- no square has been blackened
- a square has not been blackened, but has been marked in some other way

At the end of the examination:

- write or check your name on the answer sheet
- give the supervisor these examination questions and the answer sheet

In the event of any differences in interpretation the original Dutch version of this examination is binding.

1 What is the objective of the Chemical Substances Act?

- A To reduce and segregate the various types of waste.
- B To protect humans and the environment from hazardous substances.
- C To make employers environmentally conscious.

2 What measure can the health and safety inspectorate take?

- A Stop work being done if it sees an unsafe situation.
- B Take away unsafe equipment.
- C Give employees notice of dismissal if they violate the Working Conditions Act (Arbowet).

3 Which is the best accessory to use to move a steel plate?

- A A magnet.
- B A pair of pliers.
- C A suction cup.

4 What is a Task Risk Analysis (TRA)?

- A A written analysis of risks that can occur while performing risky tasks.
- B A written evaluation of the tasks described in the Risk Analysis (RA).
- C A written summary of tasks that can cause risks in a company.

5 What important information must always be given when calling the emergency number?

- A The location of the accident and any hazardous substances that are present.
- B The location of the accident and the victim's name.
- C The location of the accident and the number of victims.

6 What is a possible consequence of "he-man" behaviour?

- A It increases the rate of work within the team.
- B It leads to unsafe actions/situations.
- C It fosters a better working atmosphere.

7 How can the risk of tripping or slipping at the workplace be removed at the source?

- A By always keeping the workplace clean, well ordered and tidy.
- B By cordoning-off the area with a yellow and red warning ribbon.
- C By placing warning signs around the work area.

8 Which important employees' right is contained in the Working Conditions Act (Arbowet)?

- A The right to compliance with the Collective Labour Agreement (CAO).
- B The right to stop work if there is a hazardous situation.
- C The right to keep quiet about incriminating facts after an accident.

9 Can a general safety regulation relate to the separation of waste?

- A Yes, because there can be dangerous reactions if waste products come into contact with one another.
- B No, because waste has no effect on safety and health.
- C No, because separating waste is only an environmental measure.

10 In which situation would you use a blind flange?

- A When checking the contents of a tank via a sampling point.
- B To prevent internal contamination when transporting new pipes.
- C To shut off the supply lines when working in a confined space.

11 What is a responsibility of the work permit holder?

- A Deciding whether supplementary work may be carried out.
- B Storing and archiving the work permit in the project file immediately after receipt.
- C Ensuring that the work is carried out with a valid permit.

12 What are the colours of a warning sign?

- A Black and yellow.
- B Red and white.
- C White and blue.

13

What are the various phases involved in the control and resolution of an incident?

- A The initial notification of the incident, the installation of crowd barriers, the notification of the fire brigade, and the termination of the incident.
- B The initial notification of the incident, the implementation of measures, and the termination of the incident by means of an aural signal.
- C The initial notification of the incident, the classification of the incident, the implementation of measures, and the termination of the incident.

14

What is the hazard caused by a too-high oxygen concentration in the air at your workplace?

- A A too-high oxygen concentration increases the risk of fire and explosion.
- B A too-high oxygen concentration disrupts breathing.
- C A too-high oxygen concentration ensures better ventilation.

15

What is the maximum period of exposure for a threshold value (MAC TWA) of 8 hours?

- A 24 hours a day.
- B 32 hours a week.
- C 40 hours a week.

16

What is the meaning of the following symbol on a substance label?



- A The substance is an irritant.
- B The substance is corrosive.
- C The substance is oxidising.

17

What should you do if a leak happens?

- A Cordon off the workplace and fetch tools to seal the leak.
- B Immediately alert the designated person and cordon off the workplace.
- C Immediately try to seal the leak yourself and cordon off the workplace.

18 Some explosive substances can explode when mixed with the right amount of oxygen. When can an explosion occur?

- A At 10% of the lower explosion limit.
- B Between the lower and upper explosion limit.
- C Above the upper explosion limit.

19 When attempting to extinguish a fire you must first ensure your own safety. What is the next thing to do?

- A Select the correct extinguishing agent.
- B Report that you are going to fight the fire.
- C Warn people in the direct vicinity.

20 What does this sign warn about?



- A An explosive mixture.
- B An area with an explosion hazard.
- C An explosive substance.

21 What is very important to bear in mind before you use hand tools?

- A That you are wearing safety glasses.
- B That you are wearing gloves.
- C That you visually inspect the tools.

22 What requirement must a hammer meet to ensure it is safe to use?

- A It must not have a secured head.
- B It must have an undamaged head.
- C It must have a rough handle.

23 When should lifting work be stopped?

- A From wind-force 4.
- B From wind-force 5.
- C From wind-force 6.

24 Which document must be available for cranes subject to mandatory inspections?

- A The crane's operating instructions.
- B The crane company's lifting licence.
- C The crane logbook, stating all the inspections that have been carried out.

25 Which of these is a non-powered piece of lifting equipment?

- A A hoisting bucket.
- B A gantry crane.
- C A tackle.

26 Which of the following requirements must be met by hand-held grinders?

- A Hand-held grinders must be fitted with a power cable at least 4 metres long.
- B Hand-held grinders must be fitted with a sound absorber.
- C Hand-held grinders must be fitted with a dead man's button.

27 What radiation is released during electric welding which is extremely harmful to the eyes?

- A Beta radiation.
- B Gamma radiation.
- C Ultraviolet radiation.

28 What hazard could demolition work cause?

- A There could be inadequate natural ventilation.
- B You could get trapped between moving parts.
- C You could walk into protruding structural components.

29

Which safety precaution must at least be taken with openings in walls?

- A Mark off with plastic ribbon.
- B Fit a suitable barrier.
- C Place a warning sign.

30

You are doing some excavation work. In which situation do you excavate carefully?

- A When you are using a toothed excavator bucket.
- B When you are digging on the instructions of the Labour Inspectorate.
- C When you are digging test trenches.

31

What must you look out for when climbing onto a tank roof?

- A The ladder to get to the roof must have been inspected and approved.
- B You must be able to hear the alarm.
- C You must not be able to slip off the roof.

32

Which of the following is characteristic of a confined space?

- A Possibilities to escape are poor and the pipework/cablings is often at unexpected locations.
- B The workspaces are well ventilated but difficult to access.
- C The workspaces are small but easy to access.

33

Which of the following determines the strength of an electric current flowing through the body?

- A The person's clothing.
- B The person's age.
- C The amount of moisture on the person's skin.

34

What is the purpose of an earth leakage switch?

- A It enables you to use double-insulated tools.
- B It switches the power off when there is a difference between incoming and outgoing current.
- C It ensures that any current leakage is led to earth.

35

Extension leads can be dangerous. What must you always check before using one?

- A That the extension lead is suitable for the power rating of the equipment connected to it.
- B That the extension lead is on a reel.
- C That the extension lead is not more than 20 metres long.

36

What can excessive noise cause?

- A Permanent hearing loss.
- B Chronic headache.
- C Inflammation of the middle ear.

37

Which of the following is obligatory for personal protective equipment (a hard hat for example)?

- A It must be approved by the arbodienst (Occupational Health and Safety Service).
- B It must be labelled with a CE marking.
- C It must be labelled with a KEMA seal of approval.

38

Which form of eye protection must be worn whilst using a high-pressure spray to clean an object?

- A A hard hat with a peak.
- B Safety glasses fitted with side-pieces.
- C A face mask.

39

Why may metal hard hats not be used in industry?

- A Because a metal hard hat can cause head injuries.
- B Because metal hard hats are insufficiently able to absorb the force of a falling object.
- C Because a metal hard hat can conduct electricity.

40

Which personal protection equipment is legally required for working at a height (>2.5 metres falling danger) if other measures are insufficient?

- A A safety harness with fall-absorbing lifeline.
- B A hip harness with a fall-protecting apparatus.
- C A safety helmet.



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