

## ***Examination questions:***

### ***Event code : Test exam Basic Elements of Safety***

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
- 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

1 What is the purpose of environmental legislation?

- A To regulate the production of hazardous substances.
- B To specify the methods that must be used for storing hazardous substances.
- C To protect humans and the environment against hazardous substances.

2 What can the government's Health and Safety Inspection Service do when they see an offence?

- A Impose a requirement and/or make a report of the offence.
- B Give the management a reprimand, suspend the work and withdraw the VCA (SCC) certificate.
- C Appoint an official to coordinate the work, give a warning and impose a requirement.

3 Which factor has a direct impact on the risks associated with work?

- A The supervision exercised by the client.
- B The Health and Safety Plan (H&S Plan).
- C The workplace.

4 What is the objective of a task risk analysis?

- A To control the risks associated with the work.
- B To prepare for the proper execution of the work.
- C To eliminate all risks.

5 Who should you notify right away about an accident?

- A The immediate supervisor.
- B The government's Health and Safety Inspection Service.
- C The medical department.

6 What is an example of safe behaviour at the workplace?

- A Speaking to others about unsafe actions.
- B Never using hazardous substances.
- C Always wearing hearing protection.

7 What is the best way to avoid tripping at the workplace?

- A Make sure the floor is uneven.
- B Have the floor cleaned extra often.
- C Make sure the workplace is tidy.

8 What is one of the employee's obligations?

- A Do not change protective devices and use them in the correct way.
- B Supervise high-risk activities.
- C Maintain an accident register.

9 What colours are used on signs for fire fighting equipment?

- A Black pictogram on a yellow background.
- B White pictogram on a green background.
- C White pictogram on a red background.

10 What are blanking flanges used for?

- A For shutting valves or pressure valves in storage tanks.
- B For moving pipework when working on storage tanks.
- C To shut off supply lines to storage tanks.

11 What is one purpose of a werkvergunning (work permit)?

- A It allows the Arbodienst (Occupational Health and Safety Service) to determine whether the employees involved need to undergo an examination.
- B All those involved in the work must consult about the safe execution of the work.
- C The government's Health and Safety Inspection Service can check which activities are performed.

12 What does this sign mean?



(white symbol on a blue background)

- A The use of fall protection equipment is mandatory.
- B Watch out for falling objects.
- C Keep fall protection equipment ready for use.

13 What must be included in a company emergency plan?

- A The substances and processes on the site that can cause emergency situations.
- B When evacuation drills are to be held.
- C The phases of dealing with emergency situations.

14 Hazardous substances are classified by category. What are some of these categories?

- A Flammable - corrosive - harmless.
- B Harmful - carcinogenic - suffocating.
- C Explosive - highly/extremely flammable - harmful.

15 What is the best way of limiting exposure to toxic substances?

- A By always having the same person work with the toxic substance.
- B By using another, non-toxic substance.
- C By training employees in working with toxic substances.

- 16 One of the following pictograms is displayed on the packaging of a substance. What is one characteristic of this substance?



(black symbol on orange background)



(black symbol on white background with red border)

- A Highly flammable.
- B Oxidising.
- C Corrosive.

- 17 Which substance is an organic solvent?

- A Water.
- B Mercury.
- C White spirit.

- 18 What is the LEL (Lower Explosion Limit) (onderste explosiegrens) of a gas?

- A The highest concentration of the gas at which an explosion can occur.
- B The lowest concentration of the gas at which an explosion can occur.
- C The lowest measurable concentration of the gas.

- 19 What is the first thing you should do if you discover a fire?

- A Ensure your own safety.
- B Alert the police.
- C Alert the fire department.

20 What is an explosion-hazardous environment?

- A An environment with too much gas and too little air.
- B An environment where many explosions happen.
- C An environment in which an explosive mixture can arise.

21 Which of the following is a risk associated with permanently installed grinders?

- A The grinding stone can bite into the material.
- B Due to the low rpm, the grinding stone can come off its shaft.
- C The grinding stone can disintegrate.

22 Is the earthing of double insulated electric hand tools permitted?

- A This only permitted with the employer's approval.
- B No, this is not permitted.
- C Yes, this is permitted.

23 Which rule, among others, applies to a crane?

- A A crane must carry a CE marking.
- B A crane must carry a VCA (SCC) quality mark.
- C A crane must not be higher than 23 metres.

24 What is one of the rules that applies to the use of chains?

- A Always work in pairs.
- B Completely screw in the shackle pins.
- C Grease the chain before hoisting.

25 Which rule applies to the use of a manual hoist?

- A You must always load the hook on its point.
- B A manual hoist must never be overloaded.
- C A manual hoist may only be loaded in a vertical position.

26 Are you allowed to increase the counterweight on a forklift?

- A No, this is never permitted.
- B Yes, this is permitted at any time.
- C Yes, this is permitted by at most 10% of the counterweight.

27 How should an acetylene bottle be positioned during welding?

- A The bottle must be positioned at an angle of at least 30° with the floor.
- B The bottle must always be in an upright position.
- C The bottle may be laid down on the floor.

28 How can you prevent falling hazards at the edge of a workfloor?

- A By placing warning signs at the edge of the workfloor.
- B By putting proper barriers at the edge of the workfloor.
- C By giving the workers proper instruction at the start of the work.

29 What is the best safety provision for a floor opening?

- A The floor opening must be properly lit.
- B Sufficient warning signs must be placed around the floor opening.
- C The floor opening must be covered with materials capable of carrying heavy loads.

30 Hazards can arise during excavations due to the fact that there are many cables and pipelines buried in the ground. This is why 'rules for careful excavation' have been established. What is one of these rules?

- A Never dig in areas where cables or pipelines are known to be buried in the ground.
- B When using an excavator always use a toothed excavator bucket.
- C First manually dig trial trenches close to the specified location of the cables or pipelines.

31 Which of the following is mandatory when working from a safety cage at height?

- A The safety cage must be suspended from a chain or a steel cable.
- B Everyone in the safety cage must have a walkie-talkie.
- C Everyone in the safety cage must wear a safety harness attached to the safety cage.

**32** You are spray painting in a confined space. Why do you have to ventilate this space?

- A In order to remain below 10% of the LEL (Lower Explosion Limit) (onderste explosiegrens).
- B In order to remain below the LEL (Lower Explosion Limit) (onderste explosiegrens).
- C In order to remain below 50% of the LEL (Lower Explosion Limit) (onderste explosiegrens).

**33** What affects the size of an electric current passing through the human body?

- A The body temperature.
- B The resistance of the ground or floor.
- C The length of the exposure.

**34** Why is insulation used for electrical conductors?

- A To limit the consequences of a short circuit.
- B To prevent contact with live parts.
- C To prevent damage.

**35** What is a risk associated with static electricity?

- A Static electricity can cause non-conductive materials to catch fire.
- B Static electricity can result in a spark which could cause an explosion.
- C Static electricity carries virtually no risk.

**36** What is important for manually lifting an object standing on the ground?

- A That your feet are spread out as far as possible.
- B That you lift with a straight back and bent knees.
- C That after you have lifted the object you can turn it sideways.

**37** What must you do with your PBM's (personal protective equipment)?

- A Have your name put on it.
- B Have an expert inspect it after every use.
- C Take proper care of it.



38 What hazard do safety goggles protect against?

- A Heat.
- B Dust.
- C Strong light.

39 What is impossible for gloves to protect against?

- A Hazardous substances.
- B Cold or heat.
- C Rotating parts.

40 What rule applies to the use of protective clothing?

- A Replace your clothing once a year.
- B Immediately repair or replace torn/worn clothing.
- C Immediately replace torn/worn clothing at your own cost.



Examen-evenementcode

Nummer Examen-centrum

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Lokatie

Datum examen

Examenvorm

Schriftelijk Voorleesexamen (alleen voor VCA Basis)

Nummer kandidaat

Achternaam

Voornaam of voorletters

Geboortedatum

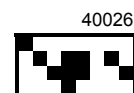
Geboorteplaats

Fouten

Score

Let op! Alleen invullen met een zwart potlood, verbeter door het foute antwoord goed uit te gummen. Slechts 1 antwoord is juist!

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