

Name candidate: \_\_\_\_\_

## *Examination questions: Basic Elements of Safety*

**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 manner

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 the 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 is the task of the government's Health and Safety Inspection Service (formerly the Labour Inspectorate (*Arbeidsinspectie*))?

- A Conduct consultations with employers concerning high-risk activities and provide advice concerning the measures to be implemented.
- B Audit compliance with H&S legislation and the Working Hours Act.
- C Audit compliance with the CLA and arrangements specified in the Action Plan.

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

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

4 What is the objective of a task risk analysis?

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

5 To whom should near-accidents be reported?

- A To the Safety Officer.
- B To the Personnel Department.
- C To the immediate supervisor.

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

- A Never use hazardous substances.
- B Always wear hearing protection.
- C Speak to others when they perform an unsafe action.

7 What is an important measure to avoid tripping?

- A A partition must have a CE marking.
- B The workplace must be orderly and tidy.
- C Do not clean the work floor too often.

8 What is one of the employee's obligations?

- A Supervise high-risk activities.
- B Do not change protective devices and use them in the correct way.
- 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 red background.
- C White pictogram on a green background.

10 You are working on electrical installations. What is the best way to avoid accidents?

- A Inform a colleague where you will be working.
- B Disconnect the electrical power supply.
- C Carry out activities in twos.

11 What is one of the purposes of a work permit?

- A It allows the Occupational Health & Safety Service (*Arbodienst*) to determine whether the involved employees 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 (formerly the Labour Inspectorate (*Arbeidsinspectie*)) can check which activities are performed.

12 What does this sign (white symbol on a blue background) mean?



- 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 The phases of coping with emergency situations.
- C When evacuation exercises are to be held.

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

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

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

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

- 16 The packaging displays this pictogram (black on orange). What does this tell you about its contents?



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

- 17 A pipeline is leaking. What is the consequence if a substance with this pictogram is released?



- A Danger of suffocation.
- B Fire hazard.
- C Hazard to the environment.

- 18 What is the LEL of a gas?

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

- 19 What is a key drawback of using gaseous extinguishing agents, such as carbon dioxide, to extinguish a fire?

- A The displacement of oxygen can also have a suffocating effect on the people in the immediate vicinity.
- B The unused gaseous extinguishing agents are harmful to the environment.
- C The fire extinguishing process sharply cools the ambient air.

20 What is an explosion-hazardous environment?

- A An environment with too much gas and too little air.
- B An environment in which an explosive mixture can occur.
- C An environment where explosions are a frequent occurrence.

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

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

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

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

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

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

24 Which weather condition can have a major impact on the operation of a crane?

- A High humidity.
- B High wind velocity.
- C High temperature.

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

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

**26** What is a risk associated with the use of a forklift truck?

- A The load may become dirty.
- B Collision with persons.
- C Hearing loss for nearby persons.

**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 may be laid down on the floor.
- C The bottle must always be in an upright position.

**28** Asbestos is encountered during demolition work. You may only remove the asbestos yourself if simple actions suffice to do this. No dust or fibres may be released during this process. Which specific safety measure, among others, must then be implemented?

- A The use of a P1 dust filter mask.
- B Wear disposable overalls.
- C Use a chute.

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

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

**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 First manually dig trial trenches close to the specified location of the cables or pipelines.
- C When using an excavator always use a toothed excavator bucket.

31 Which of the following is mandatory when a safety cage is used?

- A Everyone in the safety cage must have a walkie-talkie.
- B The safety cage must be suspended from a chain or a steel cable.
- 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 the lower explosion limit (LEL).
- A In order to remain below 10% of the lower explosion limit (LEL).
- C In order to remain below 50% of the lower explosion limit (LEL).

33 Skin has a specific electrical resistance. What causes this electric resistance to decrease?

- A Perspiration.
- B Skin colour.
- C Ageing.

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 result in a spark which can cause an explosion.
- B Static electricity can cause non-conductive materials to catch fire.
- 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 after you have lifted the object you can turn it sideways.
- C That you lift with a straight back and bent knees.

37 What should you do with your personal protective equipment (PPE)?

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

38 When should you wear Cyclops glasses?

- A During grinding, hacking and drilling.
- B When you connect/disconnect product hoses.
- C During gas welding.

39 What is impossible for gloves to protect against?

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

40 What rule applies to the use of protective clothing?

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



Examinationcode

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SCC examination centre

Location

Date of examination

Examination form

Written    Read-out question

Candidate's number

Surname

Forenames or initials

Date of birth

Place of birth

Errors

Score

**Note! Only use a black pencil to enter your answers; correct any incorrect answer, where relevant, by thoroughly erasing the incorrect answer. Only one answer is correct!**

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Examen-evenementcode

Nummer Examen-centrum

Examen-centrum

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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Examen-centrum

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