

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

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

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

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

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

4 What is the purpose of a TRA (Task Risk Analysis)?

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

5 Who should you notify right away about an accident?

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

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

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

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

- A Make sure the workplace is tidy.
- B Make sure the floor is non-skid.
- C Have cleaning done more often.

8 What is one of the employee's obligations?

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

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

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

10 What are blanking flanges used for?

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

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

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

12 What does this sign mean?



(white symbol on a blue background)

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

13 What must be included in a company emergency plan?

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

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

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

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 training employees in working with toxic substances.
- C By using another, non-toxic substance.

- 16 The following pictogram is displayed on the packaging of a substance. What is a characteristic of this substance?



(black symbol on white background with red border)

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

- 17 Which substance is an organic solvent?

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

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

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

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

- A Alert the fire department.
- B Alert the police.
- C Ensure one's own safety.

20

What is an explosion-hazardous environment?

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

21

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

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

22

Is the earthing of double insulated electric hand tools permitted?

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

23

When must a lifting sling be rejected?

- A When it is more than two years old.
- B If the lifting sling has been exposed to sunlight.
- C If the label is unreadable.

24

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

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

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 may only be loaded in a vertical position.
- C A manual hoist must never be overloaded.

26

Are you allowed to increase the counterweight on a forklift?

- A Yes, this is permitted by at most 10% of its weight.
- B Yes, this is permitted at any time.
- C No, this is not permitted.

27

How should an acetylene cylinder be positioned during welding?

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

28

How can you prevent falling hazards at the edge of a work floor?

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

29

What is the best safety provision for a floor opening?

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

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

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 wear a safety harness attached to the safety cage.
- C Everyone in the safety cage must have a walkie-talkie.

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

33

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

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

34

Why is insulation used for electrical conductors?

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

35

What is a risk associated with static electricity?

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

36

What is important for manually lifting an object that is on the ground?

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

37

What must you do with your personal protective equipment (PPE – Dutch abbreviation: PBM's)?

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

38

What hazard do safety goggles protect against?

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

39

What is it impossible for gloves to protect against?

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

40

What rule applies to the use of protective clothing?

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



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Nummer Examen-centrum

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Schriftelijk Voorleesexamen (alleen voor VCA Basis)

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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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