higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

SANITATION AND SAFETY N4

21 NOVEMBER 2018

This marking guideline consists of 7 pages.

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SECTION A

QUESTION 1

1.1 C
1.2 A
1.3 A
1.4 D
1.5 A
1.6 C
1.7 D
1.8 B
1.9 A
1.10 B

(10 × 2) **[20]**

QUESTION 2

2.1 False
2.2 False
2.3 False
2.4 False
2.5 True
2.6 False
2.7 False
2.8 True
2.9 False
2.10 False

(10 × 2) **[20]**

QUESTION 3

3.1 Mice or rats: Traps/Fumigation/Poison
3.2 Flies: Electro tube/Insecticide
3.3 Mosquitoes: Find nesting area and apply suitable insecticide
3.4 Cockroaches: Insecticides such as spray, powder or laquer
3.5 Beatles: Lower temperatures/Mechanical action

(5 × 2) **[10]**

TOTAL SECTION A: 50

SECTION B

QUESTION 4

4.1
- Chef's jacket✓ – To protect the chest and arms from heat.✓
- Aprons✓ – To protect the body from being scalded or burnt and the legs from liquids.✓
- Neck tie✓ – It protects the neck from heat.✓
- Chef's hat✓– To prevent loose hair from falling into food.✓
- Chef's pants✓– To avoid serious burns in case hot liquids are spilt.✓
- Foot wear✓– Closed, non-slip and comfortable shoes are required.✓

(Any 5 × 2) (10)

4.2 The science of health. (2)

4.3
- Hair must be kept clean and free from dandruff.
- If hair extends over the collar it should be tied back.
- Wear an appropriate head dress so hair does not come into contact with food.
- Hair must be covered by a net or cap.
- Only brush hair in the cloak room.
- Wash hair regularly. Once or twice a week with a suitable shampoo.
- Hair brushes and combs must be kept clean and not borrowed.
- Men must be clean shaven and beards must be trimmed. (Any 5 × 1) (5)

4.4
- Give workers regular medical check-ups.
- Health checks after vacations or holidays.
- Never employ workers without medical clearing them first.
- Never let a person who was ill, work without clearance from a doctor.
- Give workers hygiene training.
- Put up posters promoting hygiene. (Any 5 × 1) (5)

4.5 Keep cold food below 5 °C✓ and Hot food above 63 °C.✓ (2)

4.6
- Protozoa
- Algae
- Yeasts
- Moulds
- Bacteria
- Viruses (Any 5 × 1) (5)

4.7
- Time
- Food
- Water requirement
- Temperature
- Ideal pH
- Availability of oxygen
- Darkness (Any 5 × 1) (5)

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4.8 4.8.1
- Live in water such as sea, ponds and soil water
- Majority are harmless to man
- Some cause malaria (3)

4.8.2
- Simply constructed plants. Small or large seaweed types.
- Small or large seaweed types.
- Algae are free living organisms found where water and sunlight is available.
- They manufacture their own food through a process of photosynthesis.
- Seen as green slimy plants on surface of ponds. (Any 3 × 1) (3)

4.8.3
- Smallest of all microorganisms.
- They are dangerous and cause food poisoning.
- Whether viruses are living organisms cannot be stated as yet.
- Viruses enter living cells and redirect the activities of cell towards replicating themselves.
- Diseases caused by viruses are poliomyelitis, measles, smallpox, chicken pox, influenza and colds. (Any 3 × 1) (3)

4.9
- Mild attack – slight nausea✓ and minor stomach ailment.✓
- Severe attack – severe stomach cramps,✓ diarrhoea,✓ vomiting,✓ headache,✓ muscle pain✓ and fever.✓ (Any 7 × 1) (7)

[50]

QUESTION 5

5.1 5.1.1 An incurable disease✓ which is passed on by sexual intercourse,✓ infected blood✓ and infected mothers to their unborn and new-born babies.✓ (4)

5.1.2
- Donating blood
- Dry kissing and hugging
- Sharing toilet seats and swimming pools
- Bitten by mosquito
- Shaking hands and playing sport together
- Staying in the same house and sharing household equipment
- Sharing public transport (Any 5 × 1) (5)

5.1.3
- Advice him/her to go to the nearest clinic
- Send them to a doctor
- Send them to the local hospital
- Send them to HIV training and information centres (4)

5.2
- Indifference and apathy
- Little interest in the future
- Loss of motivation
- Problems with respiratory system
- Lung damage
- Increasing infertility
- Damage of sex cells
- Damage of embryo
- Suppression of hormones
- Anti-social and criminal behaviour
- Dependence on dagga (Any 5 × 1) (5)

5.3
- The baby could be born mentally retarded
- Have inhibited growth
- Have physical defects
- Fatal Alcohol Syndrome
- The foetus is too small and slow to develop (5)

5.4 It is an infectious disease✓ caused by the germs tubercle bacilli.✓ (2)

5.5
- Persistent cough
- Tiredness or weakness of the body
- Loss of weight
- Loss of appetite
- Night sweats
- Pain in the chest
- Blood stained sputum
- Breathlessness (8)

5.6
- Tobacco
- Pain killers
- Alcohol
- Amphetamine
- Tranquilisers, sedatives and sleeping pills
- Hard drugs
- Hallucinogens (Any 3 × 1) (3)

5.7
- Present in abundance in plants which are used as food.
- Present on utensils and work surfaces used for food preparation.
- May be carried through the air from one subject to another.
- Food is a source of nutrients which provides nourishment for the growth of organisms. (Any 2 × 1) (2)

5.8 Helps to facilitate✓ and organise✓ employer and employee actions✓ during workplace emergencies.✓ (4)

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5.9
- Keep knives sharp
- Point it away from people, facing down
- Do not leave knives lying around
- Do not catch a falling knife
- Pick knifes up by the handle
- Do not leave knives lying in sink
- Use the correct knife for the right job
- Do not play games with knives
- Use a chopping board when cutting with a knife (Any 5 × 1) (5)

5.10
- Incorrect handling of equipment
- Ignorance of safety risks
- Carelessness and recklessness
- Excessive haste
- Distractions
- Poor workplace design (Any 3 × 1) (3)

[50]

QUESTION 6

6.1
- Remain calm and get a plan of action.
- Remember first aid is only temporary.
- Ensure patient is comfortable and give assistance until doctor arrives.
- Assess nature of injury. It will indicate what needs to be done.
- Keep air passages open.
- Acute bleeding from a cut or artery must be stopped.
- Treat shock and avoid complications. Never try and reset a bone fracture.
- Summon a doctor if the injury is very serious. (8)

6.2
- Make sure machine is off before plugging it in.
- Make sure all wiring is in good condition.
- Make sure you are using machine guarding to prevent access to cutter blades.
- Do not open up or put your hands into an operating machine to stir etc.
- Turn off and unplug the machine before disassembling and cleaning.
- Do not remove items from machine if still on.
- Do not open lids of processors to stir if food is still processing.
- Do not overload equipment. May cause overheating.
- If machine is not working, put an out of order sign. (Any 8 × 1) (8)

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6.3 6.3.1 Chemical agent used in the food industry✓ to remove grease, dirt and debris.✓

6.3.2 Chemical agent✓ used to destroy disease causing bacteria, microorganisms or pathogens. Not spores.✓

6.3.3 To reduce the number of microorganisms to a safe level✓✓.

6.3.4 An agent used in sterilisation to destroy all microbial life,✓ including the spores.✓

(4 × 2) (8)

6.4
- Must have good bactericidal activity.
- Must have low toxicity.
- Must not affect the colour, odour or flavour of food processed.
- Must be cheap, effective and convenient. Must be easy to dispense.
- Must not affect the operator handling it.
- Must not damage equipment when it is treated with it. (Any 4 × 1) (4)

6.5
- Sight✓ – Under good light there must be no signs of soil on a wet or dry surface.✓
- Touch✓ – No greasy or rough feeling when fingers are rubbed over the surface.✓
- Smell✓ – No objectionable odour present.✓ (3 × 2) (6)

6.6 6.6.1 Wash or scrub floor✓ with hot water containing detergent.✓ Rinse with clean water.✓ (3)

6.6.2 Once a day. Supplement with sweeping. (1)

6.6.3
- Remove detachable parts and food residues.
- Wash using a two sink system.
- Non detachable parts must be washed in hot water containing detergent. (3)

6.6.4 Between each operation (1)

6.6.5
- Remove all scraps of food.
- Wash in hot water containing detergent.
- Rinse with clean water. (3)

6.6.6 After each operation (1)

6.7
- Wine
- Beer
- Bread
- Alcohol (4)

[50]

TOTAL SECTION B: 150
GRAND TOTAL: 200

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