higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE (VOCATIONAL)

TRANSPORT OPERATIONS
NQF LEVEL 2

24 November 2023

This marking guideline consists of 5 pages.

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SECTION A

QUESTION 1

1.1	1.1.1	C		
	1.1.2	A		
	1.1.3	A		
	1.1.4	A		
	1.1.5	C		
			(5 × 1)	(5)
1.2	1.2.1	True		
	1.2.2	True		
	1.2.3	False		
	1.2.4	True		
	1.2.5	True		
			(5 × 1)	(5)
1.3	1.3.1	Petroleum		
	1.3.2	Fuel		
	1.3.3	International		
	1.3.4	Pipelines		
	1.3.5	Intermodal		
			(5 × 1)	(5)
1.4	1.4.1	Cargo transport unit		
	1.4.2	Switch		
	1.4.3	Fire extinguishers		
	1.4.4	Fleet administration systems		
	1.4.5	Direct impacts		
			(5 × 1)	(5)
1.5	1.5.1	C		
	1.5.2	F		
	1.5.3	E		
	1.5.4	A		
	1.5.5	B		
			(5 × 1)	(5)
				[25]

TOTAL SECTION A: 25

SECTION B

QUESTION 2

2.1
- Buses
- Breakdown vehicles
- Minibuses with a GVM (gross vehicle mass) of more than 3 500 kg
- Minibuses that are redesigned or adapted to carry 12 or more people
- Motor vehicles used for transport of people for reward
- Trucks with trailers
- Goods vehicles with a GVM (gross vehicle mass) exceeding 3 500 kg

(Any 6 × 1) (6)

2.2
- Transport promotes sustainable economic growth and development.
- Transport takes people to places wherever they want to go.
- Transport delivers goods to places where people require them.
- Transport enhances trade and enables people to improve the quality of their lives.
- Transport is instrumental in the development and interaction of cultures.
- Transport adds to a more exciting environment and attracts more people and business activities. (Any 4 × 2) (8)

2.3
- Trustworthiness✓ – Be honest, reliable and loyal.✓
- Respect✓ – Be tolerant of differences and show good manners.✓
- Responsibility✓ – Always do your best, be self-disciplined and consider the consequences of your actions.✓
- Fairness✓ – Follow the rules and do not take advantage of, or blame others.✓
- Caring✓ – Be kind, compassionate, helpful and forgiving.✓
- Citizenship✓ – Cooperate, obey the rules and respect authority.✓

(Or any SIX other relevant values) (6 × 2) (12)

2.4 2.4.1 Transport operations refer to the effective and efficient implementation✓ and management of transport using any kind of transport mode.✓

2.4.2 The transport business sector refers to the industry✓ serviced by the different transport modes such as land, air and water transport.✓

(2 × 2) (4)

[30]

QUESTION 3

3.1
- Public
- Private
- Passenger
- Freight (4)

3.2
- The risk of disrupting daily operations is reduced.
- Unplanned or hasty buy or sell decisions are avoided.
- More time is available to consider alternatives and negotiate better deals.
- A degree of certainty and control exists in the budget. (4)

3.3
- Developing methods to determine current and future skills gaps and competencies.
- Employing the right person for the right job, e.g. not to recruit criminals through indiscriminate recruitment and employment practices.
- Improving performance through proper induction of employees and lifelong learning throughout the organisation.
- Establishing competences and learning frameworks.
- Creating a culture of a learning organisation or learning network of freight and transport professionals by introducing innovative and flexible learning methods.
- Promoting personal development by providing development opportunities through skills programmes.
- Managing behaviour through well-structured performance programmes, regular performance appraisal, feedback sessions, etc. (Any 4 × 2) (8)

3.4
- Biometric systems for worker identification and access control
- Tamper-resistant and tamper-evident packaging and containers
- Blast-resistant cargo containers
- Explosive detection systems (EDS) and other cargo screening technologies. (Any 3 × 2) (6)

3.5
- Making promises that cannot be kept.
- Passing a job to someone else and forgetting about it.
- A certain job is only the job of the call centre/customer service centre. (3)

[25]

QUESTION 4

4.1
- The cooling medium cannot absorb and dissipate heat if it is contaminated.
- The radiator cannot transfer heat from the water to the air system if it is blocked or restricted.
- The water pump cannot circulate the system adequately nor can the fan draw sufficient air through the radiator if the drive belts are loose or worn.
- Poor hoses will cause restriction to the flow of coolant
- Defective thermostats may cause overheating.
- Radiator caps and/or pressure-relief valves are design essentials of the system and absolutely necessary for the correct functioning of the system.

(Any 3 × 2) (6)

4.2
- Routine vehicle maintenance is usually scheduled based on time✓ or travelling distance.✓
- Non-routine vehicle maintenance involves wear and tear✓ that may result in breakdowns.✓ (2 × 2) (4)

4.3
- Battery casing failure
- Battery plate damage from vibrations
- Damage to terminal posts caused by inadequate battery mounting and hold-down security
- Battery plate damage from being allowed to stand in a low- or no-charge state
- Battery plate damage from plates being dry
- Terminal post and casing damage from acid corrosion (Any 4 × 1) (4)

4.4 Drivers must:
- Position the vehicle in the correct position for proper loading or unloading to prevent backing-up situations.
- Put on appropriate personal protective equipment (PPE).
- Prepare the site for loading or unloading.
- Check the receiving compartment to ensure that it is clean and that it has sufficient capacity.
- Follow specific procedures for the product that is being loaded or unloaded.
- Complete a walk-around inspection to ensure that everything is in the proper order.
- Complete the appropriate paperwork before leaving the site. (Any 3 × 2) (6)

[20]

TOTAL SECTION B: 75
GRAND TOTAL: 100

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