higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE (VOCATIONAL)

TRANSPORT OPERATIONS
NQF LEVEL 3

(11020323)

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09:00–12:00

This question paper consists of 7 pages.

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DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE (VOCATIONAL)
TRANSPORT OPERATIONS L3
TIME: 3 HOURS
MARKS: 100

INSTRUCTIONS AND INFORMATION

1. Answer all the questions.
2. Read all the questions carefully.
3. Number the answers according to the numbering system used in this question paper.
4. Use only a black or blue pen.
5. Write neatly and legibly.

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SECTION A

QUESTION 1

Indicate whether the following statements are TRUE or FALSE by writing only 'True' or 'False' next to the question number (1.1–1.10) in the ANSWER BOOK.

1.1 Van body trucks are commonly used in urban freight distribution.

1.2 Trucks are highly flexible vehicles that are able to carry almost every type of cargo.

1.3 The biggest challenge is to make taxi transport safe, efficient and affordable.

1.4 An emergency evacuation plan should be customised for the building or vehicle for which it is created.

1.5 Pipeline transportation is easily affected by poor weather conditions.

1.6 The Port of Ngqura is currently the deepest container terminal in Asia.

1.7 The Civil Aviation Act is probably the most comprehensive piece of legislation regulating roads.

1.8 The mining industry makes extensive use of air transport for the transportation of minerals.

1.9 Passenger transport includes all public and private modes of transport of people.

1.10 South African iron ore is exported to China via specialised freight ship.

(10 × 1) **[10]**

QUESTION 2

Choose a term from COLUMN B that matches a description in COLUMN A. Write only the letter (A–L) next to the question number (2.1–2.10) in the ANSWER BOOK.

COLUMN A		COLUMN B	
2.1	The custodian of the country's strategic pipeline	A	white paper
2.2	The extent to which vehicles are used	B	MSC
2.3	Sets strategic objectives and regulatory matters for land passenger transport	C	fixed cost
2.4	Determines the permissible maximum axle mass load of vehicles	D	RoRo
2.5	Time, flight number and schedule is indicated on this	E	Petronet
2.6	Offers passenger transport for leisure purposes from South Africa to other countries	F	Transnet
2.7	Operates as the landlord for ports and responsible for a safe, effective and efficient sea freight system	G	NRTA
2.8	The body that oversees the operation of bus companies	H	vehicle utilisation
2.9	Buses and minibuses travelling from where passengers exit the building, up to the stairs used for entering the aeroplane	I	airport shuttle
2.10	Ship designed to carry vehicles	J	ticket
		K	SABOA
		L	electronic verification

(10 × 1) **[10]**

TOTAL SECTION A: 20

SECTION B

QUESTION 3

Define the following terminology:

3.1 Multi-modal transportation

3.2 Seamless supply chain

3.3 Misappropriation

3.4 Embarking

3.5 Road railer

(5 × 2) **[10]**

QUESTION 4

Read the case study below and answer the questions.

Nottingham smart ticketing

Nottingham integrated ticketing offers the best service for residents, workers and businesses, and it can increase bus ridership, passenger satisfaction, boarding speeds and bus revenue. Despite its benefits, the lack of the regulation of buses has led to minimal uptake of Nottingham integrated ticketing outside of London. Integrated ticketing could become a norm if more cities had the power to regulate buses.

Nottingham has provided better buses and services by working with bus companies and using other powers at their disposal. Nottingham uses its strengths as a city to make buses work for workers and residents. The City Council ensures:

- That buses support students in both route and cost
- That buses are used to reduce congestion
- That discounted ticketing is used to make buses affordable
- Leveraged planning measures to focus developments on the city centre.

[*http:www.whatworksgrowt.org*]

4.1 According to the case study, integrated ticketing could become a norm if cities had the power to regulate buses.

Name FIVE regulatory bodies in South Africa. (5 × 1) (5)

4.2 The case study states that Nottingham offers integrated ticketing and they have a potential to increase ridership and passenger satisfaction.

Name and define FIVE electronic devices available to read information on tickets. (5 × 2) (10)

4.3 According to the case study, Nottingham ensured that buses support students in both route and cost.

Name and explain FIVE routing requirements or service attributes. (5 × 2) (10)

4.4 State FOUR aspects that are regulated by the Civil Aviation Act of 2009. (4 × 2) (8)

[33]

QUESTION 5

Study the picture and the abstract below and answer the questions.

TAXI VIOLENCE AND CHALLENGES



The minibus taxi industry is probably the most important part of our public transport sector. It is not only accessible to most people, but it is also often the only transport that most people can afford.

[Source: Golden (2012)]

5.1 State FIVE challenges facing minibus taxi transport. (5 × 2) (10)

5.2 Based on the picture, state TWO characteristics of road transport. (2 × 2) (4)

5.3 Name TWO ways of labelling and staggering luggage. (2 × 1) (2)

5.4 The minibus taxi provides three services. Name only ONE. (1)

[17]

QUESTION 6

Choose the correct word or words from the list below. Write only the answer next to the question number (6.1–6.20) in the ANSWER BOOK.

yes; very low; low; very high; high; sometimes; nil; medium; no; slow; very fast; very slow

CHARACTERISTICS	RAIL	ROAD	PIPELINE	AIR	WATER
Door-to-door service	Sometimes	6.1	6.2	6.3	6.4
Price	6.5	6.6	Very low	6.7	6.8
Speed	6.9	6.10	6.11	Very fast	6.12
Reliability	6.13	6.14	6.15	6.16	Low
Flexibility	Low	6.17	6.18	6.19	6.20

[20]

TOTAL SECTION B: 80
GRAND TOTAL: 100

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