higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE (VOCATIONAL)

TRANSPORT OPERATIONS
NQF LEVEL 2

(11020312)

11 December 2020 (X-paper)
09:00–12:00

This question paper consists of 6 pages.

585Q1N2011

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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. Start each section on a new page.
5. Use only a black or blue pen.
6. Write neatly and legibly.

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SECTION A

QUESTION 1

1.1 Various options are given as possible answers to the following questions. Choose the answer and write only the letter (A–D) next to the question number (1.1.1–1.1.5) in the ANSWER BOOK.

1.1.1 … plays a role in formulating road transport policies.

A SANCO (South African National Civic Organisation)
B SANRAL (South African National Roads Agency Limited)
C SASOL (South Africa Steel, Coal and Oil Limited)
D ESKOM (Electricity Supply Commission)

1.1.2 A person who drives a vehicle on a public road, transporting passengers for an income in South Africa, must have a/an …

A ID (identity document).
B PrDP (professional driving permit).
C Grade 12 certificate.
D proof of residence.

1.1.3 The … coordinates and regulates law enforcement regarding cross-border road transport.

A CBRTA (Cross-Border Road Transport Act)
B NRTA (National Road Traffic Act)
C Criminal Procedure Act
D Occupational Health and Safety Act

1.1.4 One of the trade unions that represent workers in the transport industry is …

A SADTU (South African Democratic Teachers' Union).
B PEU (Professional Educators' Union).
C SATAWU (South African Transport and Allied Workers Union).
D NUMSA (National Union of Mineworkers in South Africa).

1.1.5 One of the advantages of rail transport is …

A flexibility.
B safety.
C security.
D convenience.

(5 × 1) (5)

1.2 Indicate whether the following statements are TRUE or FALSE by writing only 'True' or 'False' next to the question number (1.2.1–1.2.5) in the ANSWER BOOK.

1.2.1 Adverse weather conditions such as floods and rain create obstructions for road transport.

1.2.2 The transport industry does not have any challenges regarding safety and security.

1.2.3 Without transport, quality of life suffers.

1.2.4 A Class 1 vehicle is a light motor vehicle which may pull a light trailer up to 750 kg GVM.

1.2.5 Transport operations link to other operations such as warehousing, procurement, marketing, etc.

(5 × 1) (5)

1.3 Complete the following sentences by filling in the missing word or words. Write only the answer next to the question number (1.3.1–1.3.5) in the ANSWER BOOK.

1.3.1 … legislation provides for the control and management of all forms of transport movement.

1.3.2 Goods that can be damaged are called …

1.3.3 … vehicle mass means the maximum mass of a vehicle and its load as specified by the manufacturer.

1.3.4 A ... means a motor vehicle designed or adapted for the conveyance of more than 16 persons including the driver.

1.3.5 Courtesy means … and helpfulness towards customers.

(5 × 1) (5)

1.4 Choose the correct option from those given in brackets. Write only the answer next to the question number (1.4.1–1.4.5) in the ANSWER BOOK.

1.4.1 The process when two parties enter into a legal agreement, is called (engaging/contracting).

1.4.2 People and freight achieve mobility by (planning/transport modes).

1.4.3 The (tertiary sector/primary sector) is related to the distribution and transportation of goods.

1.4.4 Nowadays, diagnosing a variety of vehicle problems is done with the help of (automotive/manual) diagnostic tools.

1.4.5 Transport companies also use (ethnology/technology) to improve cargo security.

(5 × 1) (5)

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1.5 Choose a description from COLUMN B that matches a term in COLUMN A. Write only the letter (A–F) next to the question number (1.5.1–1.5.5) in the ANSWER BOOK.

COLUMN A		COLUMN B	
1.5.1	Policy	A	enforce and extend workers' rights in the transport industry
1.5.2	Ethics	B	a plan of servicing vehicles based on the time or distance travelled
1.5.3	Driver control	C	document that contains the principles and conditions required in a company
1.5.4	Trade unions	D	repairs of vehicles due to breakdowns
1.5.5	Routine maintenance	E	maintenance of records of professional drivers
		F	rules or standards that determine how a person should act according to accepted principles of what is right and wrong

(5 × 1) (5)
[25]

TOTAL SECTION A: 25

SECTION B

QUESTION 2

2.1 Explain the term *transportation.* (3)

2.2 Name TWO legislations (Acts) which are related to land transport. (2)

2.3 Explain what petroleum products are and give ONE example of a petroleum product. (3)

2.4 Describe the aim and purpose of the Cross-Border Road Transport Act. (3)

2.5 Vehicle control in a transport business is very important.

State FOUR major functions and activities of vehicle control. (4)

2.6 One of the strategies to prevent corruption and illegal behaviour in a transport business is to apply corrective measures.

State FIVE corrective measures that can be taken. (5 × 2) (10)
[25]

QUESTION 3

3.1 Name THREE types of road transport. (3)

3.2 State TWO unique characteristics of pipeline transport. (4)

3.3 Name THREE documents that should be kept on record for each vehicle that is part of the company's fleet. (3)

3.4 State SIX main aspects that need to be considered when controlling drivers. (12)

3.5 Name THREE trade unions that represent workers in the transport industry in South Africa. (3)
[25]

QUESTION 4

4.1 Differentiate between *preventative* and *reactive* maintenance. (2 × 2) (4)

4.2 Name FIVE personal protective equipment that may be needed when loading petroleum products. (5)

4.3 Indicate TWO common causes of premature battery failure. (2 × 2) (4)

4.4 Name THREE categories of vehicle operators as well as their identification letters as indicated on the disc. (3 × 2) (6)

4.5 Discuss TWO ways in which the driver must position his/her vehicle at the destination station for successful loading or unloading of petroleum products. (2 × 3) (6)
[25]

TOTAL SECTION B: 75
GRAND TOTAL: 100

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