



ZIMBABWE

**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
INNOVATION, SCIENCE AND TECHNOLOGY
DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

LOGISTICS AND TRANSPORT

MODULE: Vehicle Routing and Scheduling

PAPER NO: 367/22/M04

DURATION: 3 Hours

NOVEMBER/ DECEMBER 2025 EXAMINATION

REQUIREMENTS

Blue pen, Ruler, Calculator

INSTRUCTIONS TO CANDIDATE

1. Answer all questions from Section A.
2. Answer three (3) questions from Section B.

This paper consists of 3 printed pages.

Section A (Compulsory 40 marks)

QUESTION 1

Assess any five (5) reasons for ZUPCO applying queuing theory technique at Market Square Bus Terminus to manage commuters. (20 marks)

QUESTION 2

- a) Determine man-hours required to move 200 tonnes of gravel materials to a road construction site 50km away from the source. The transport company has 10 tonne trucks for this contract. The average vehicle speed of each truck is 50km/hour and loading and unloading take 1 hour together. (10 marks)
- b) Discuss any two purposes of the following:
- i) Timetable (5 marks)
 - ii) Duty roaster (5 marks)

Section B (60 marks)

Answer any three (3) questions.

QUESTION 3

Describe characteristics of any five (5) different types of cargo (20 marks)

QUESTION 4

Identify and explain six (6) steps that transport managers must follow to match a vehicle to a load. (20 marks)

QUESTION 5

Examine any five (5) factors that affect turnaround time in logistics. (20 marks)

QUESTION 6

Explain five (5) methods that can be used by logistics managers to secure soft copy documents. (20 marks)

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