DATE …………………………………… STUDENT NO……………………………...…………..…

EXAMINATION CENTRE ……………………………………………..………...…………..…………..

THE SHIPPING AND FORWADING AGENTS’ ASSOCIATION OF ZIMBABWE

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## FREIGHT FORWARDING PRACTICE DIPLOMA

**FINAL EXAMINATION**

**PAPER TWO**

# GENERAL PAPER – ESSAY QUESTION

**4 MARCH 2022**

**TIME ALLOCATION: (3 HOURS)**

**INSTRUCTIONS**

* Part A – Answer compulsory case study.
* Part B – Answer ANY THREE questions in this part.
* Remember to write your student number in the space provided on this page and on all other answer sheets you submit.
* Start each new question on a fresh answer sheet.
* This paper carries 75% of the final examination mark.

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PART A: CASE STUDY (COMPULSORY)

**QUESTION ONE**

**Your favorite Murwira and Samuel Kadungure Herald 12 March 2021**

FREIGHT trains that carry grain, wheat and fertiliser from Beira, Mozambique have temporarily been affected after a National Railways of Zimbabwe (NRZ) goods train derailed on Tuesday near Nyazura, damaging the infrastructure and leaving the line impassable

The derailment killed the driver and injured three cabin crew members.

Heavy hydraulic equipment was summoned to break the locomotive wreckage and retrieve the body of the driver of the freight train that trapped him to death at Tsungwesi in Nyazura on Tuesday afternoon.

The locomotive driver, Mr Collet Gwini, was trapped for almost 18 hours after the accident while the other three crew members were rescued and rushed to Rusape General Hospital for treatment.

NRZ spokesperson, Mr Nyasha Maravanyika said engineers were working round the clock to repair the railway line to allow traffic to pass.

"We had a train runaway on March 9, 2021, at around 1330 hours on the Harare-Mutare rail route. The train, which was carrying chrome ore destined for Beira, ran away and subsequently derailed," said Mr Maravanyika.

He said other crew members who include two fitters and a guard were seriously injured and were rushed to Rusape Hospital before they were transferred to Harare for further management.

"We lost the driver who was trapped until Thursday morning and we commiserate with the family and wish a speedy recovery to the injured.

"A section of 150 metres of the track was damaged and our team are working on it. We expect the track to be fitted soon because this is a busy line carrying Government maize, wheat fertiliser among other important goods," said Mr Maravanyika.

He said the train was carrying chrome ore for Zimasco and the cause of the accident was still to be established.

"The locomotives were also extensively damaged and our team are also working tirelessly to see if they could recover some products," he said.

Mr Maravanyika said the railway utility would assist the deceased's family with funeral expenses and foot the survivors' medical bills.

The three are reported to be in a stable condition at a medical facility in Harare.

Transport and Infrastructural Development Deputy Minister Mike Madiro described the accident as unfortunate given that life was lost and caused injury to crew members.

"That was an unfortunate and sad incident. We are still to establish the real cause of the accident. It happened just on the boundary of Makoni South and my constituency, Mutare North," said Deputy Minister Madiro.

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The chrome-laden goods train, which had 22 wagons, was coming from Harare and heading towards Beira, Mozambique.

Two red DE6 engines leased from Sheltam, South Africa, were a total write-off, while 19 recently commissioned wagons were extensively damaged. The fine chrome dust was spilled all over the scene, while broken wheels, axles and other metal objects littered the area.

In the past there has been train derailments that have caused damage to property and in some instances claimed lives.

In 2019, six people were injured while several others sustained minor scratches after a Bulawayo bound passenger train derailed in the Dorset area of Shurugwi.

The passenger train was coming from Chikwalakwala Border Post when the incident occurred.

In 2015, a goods train transporting fertiliser and wheat from Dabuka to Harare derailed near Norton destroying part of the consignment.

Source: The Herald 12 MARCH 2021

**REQUIRED:**

**Using the case above, answer the following questions:**

1. Identify and explain three disadvantages / limitations of rail transport in Zimbabwe as reflected in the case. (3 marks)
2. Explain how the freight rates of the commodities (on board) are determined. (2 marks)
3. Describe the type of wagons that were used in carrying the commodities. (2 marks)
4. What is bogie? Calculate the number of bogies on the freight train? (3 marks)
5. Explain the circumstances under which NRZ would move the said commodities at ‘Owner ’and or ‘company risks’. (4 marks)
6. Identify and justify the possible sea port in Mozambique where the commodity was to be delivered and the type of vessel that would have carried the commodity. (2 marks)
7. How is the TT Club involved in this case? (3 marks)
8. How will the ‘Proximate’ clause apply to this case? (3 marks)

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1. Identify and explain the type of service offered by NRZ in the case and explain any other two services highlighting the benefits of each to their customers. (12 marks)
2. As the Freight Forwarder representing the client in the case above what advice would you give to your client as a way forward. (6 marks)

 **[TOTAL 40 MARKS]**

PART B: ANSWER ANY THREE (3) QUESTIONS FROM THIS PART

**QUESTION TWO**

1. Explain in detail the steps should be taken by a transport manager to avoid / prevent instances of hijacking, pilferage or terrorism along the supply chain. (Use Sea Transport or Road Transport as a reference point) **(12 marks)**
2. It is important to note that air freight rate only covers the cost of carrying the cargo from one airport to another. Explain the other additional charges that must be considered in air freight. **(8 marks)**

**[TOTAL 20 MARKS]**

**QUESTION THREE**

# Identify and explain the main challenges facing the air freight industry in Zimbabwe suggesting possible solutions to address the challenges. (12 marks)

1. Explain in detail the mechanisms that regulate sea transport. **(8 marks)**

**[TOTAL 20 MARKS]**

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**QUESTION FOUR**

1. As an experienced Freight Forwarder explain the key considerations that you must take into account to successfully ship an abnormal load of mining machinery from Germany to DRC. **(12 marks)**

1. Explain the challenges that a Road Transport Operator may face when transporting dangerous goods within Zimbabwe. **(8 marks)**

**[TOTAL 20 MARKS]**

**QUESTION FIVE**

1. Zimbabwe is a land-linked country, with limited transport options when it comes to the movement of cargo as most of its cargo moves by road. Identify and explain possible solutions to Zimbabwe’s ever increasing costs of transportation. **(6 marks)**

1. Explain in detail the meaning of the following
2. Ancilliary charges.
3. TACT rules.
4. Loadsheet.
5. Aircraft tug.
6. Air Cargo Manifest.
7. **marks)**
8. What are the main commodities carried on inland waterways and how does this create competitive advantage over other modes of transport. **(4 marks)**

 **[TOTAL 20 MARKS]**

**\*END OF PAPER\***