



**The Chartered  
Institute of Logistics  
and Transport**

**CERTIFICATE IN LOGISTICS AND TRANSPORT**

**GREEN LOGISTICS**

**09-L3**

**NOVEMBER 2022**

**Note to Candidates**

Candidates are advised to spend NOT more than 60 minutes in Section A and not more than 40 minutes on each question in Section B.

**Instructions to Candidates**

- Duration of examination: **2.30 hours**
- **Answer ALL Questions in Section A and any THREE questions in Section B**
- Questions may be answered in any order
- Allocation of marks is indicated along each question
- Credit will be given for citing relevant examples
- Write legibly

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**SECTION A: Multiple Choice Questions (Compulsory)**

**(40 marks)**

Chose the most appropriate answer and write the symbol against each question, e.g. 'A' or 'B'

1. Which mode of transportation has the lowest environmental impact?
  - A) A personal vehicle
  - B) A city bus
  - C) An airplane
  - D) A bicycle
2. The total amount of greenhouse gasses produced to support operations is the:
  - A) Greenhouse effect.
  - B) Gas mass.
  - C) Zither.
  - D) Carbon footprint.
3. From an energy perspective, which is the most efficient mode of transportation for packages?
  - A) car
  - B) trucking
  - C) rail
  - D) air

4. Which of the following is not a component of 4PL?
  - A) Control Room (Intelligence)
  - B) Resource Providers
  - C) Information
  - D) Recycling
  
5. Logistics is the part of supply chain involved with the forward and reverse flow of
  - A) Goods
  - B) Services
  - C) Cash
  - D) All of the above
  
6. What is the best way to warm an engine before driving or cool down a vehicle's cab in the summer?
  - A) Drive the vehicle at a slow pace
  - B) Turn the car on, while parked, with the AC on for a couple minutes
  - C) Drive the vehicle at a fast pace
  - D) Leave the car idling for a while before driving
  
7. Today, concentration of greenhouse gases is high because of
  - A) use of refrigerator
  - B) increased combustion of oil and coal
  - C) deforestation
  - D) All of the above
  
8. 3PL stands for
  - A) Three points logistics
  - B) Third party logistics
  - C) Three points location
  - D) None of the above
  
9. "Kaizen" is a Japanese term meaning
  - A) fool proof mechanism
  - B) just-in-time (JTT)
  - C) fishbone diagram
  - D) continuous improvement
  
10. Any adulterated elements leak into the ground, filtration, and are carried into groundwater reservoir is known as
  - A) Land Contamination
  - B) Noise Pollution
  - C) Water Pollution
  - D) Air pollution
  
11. Which of the following is the modern concept of development?
  - A) Economic development
  - B) Economic growth
  - C) Sustainable development
  - D) Human development

12. Maximum air pollution is caused by
- A) smoke
  - B) insecticide
  - C) industry
  - D) automobile exhaust
13. Business exists to make .....
- A) Loss
  - B) Profit
  - C) Product
  - D) Service
14. What does the term 'sustainable' mean?
- A) The implementation of eco-friendly technologies.
  - B) A balance between meeting today's needs with those of the future.
  - C) The use of alternative energies.
  - D) All of the above
15. What does the acronym CSR stands for?
- A. Corporate Search and Rescue
  - B. Corporate Social Responsibility
  - C. Corporate Sensitive Reliability
  - D. Corporate Social Reality
16. Energy from the sun is known as.....
- A. Hydroelectric energy
  - B. Geothermal energy
  - C. Solar energy
  - D. Wind energy
17. Which of the following will not cause any atmospheric pollution?
- A) Hydrogen
  - B) Sulphur Dioxide
  - C) Carbon dioxide
  - D) Carbon monoxide
18. A whistle blower is an employee who
- A) exposes organisational wrongdoing
  - B) complains a lot to company management
  - C) engages in un-ethical behaviour
  - D) referees disputes with other employees
19. Which ISO Standard the Guidance on Social Responsibility was recognized?
- A) ISO 26000
  - B) ISO 27000
  - C) ISO 22000
  - D) ISO 14000

20. Social impacts could be in the form of

- A. Loss of land
- B. loss of structures
- C. Loss of livelihood
- D. All of the above

**SECTION B (Answer three questions)**

**(60 marks)**

**Question 1**

What is green logistics and why is it important for Zimbabwe?

**(20 marks)**

**Question 2**

Identify and create a list of actions on any SIX demand variables that you might consider to reduce their impact..

**(20 marks)**

**Question 3**

What are the advantages and disadvantages of a firm owning electrically powered fleet in Zimbabwe?

**(20 marks)**

**Question 4**

a) Using examples explain the following terms as they apply to green Logistics

- i. Economies of scale **(2 marks)**
- ii. Sustainability **(2 marks)**
- iii. Effectiveness **(2 marks)**
- iv. Efficiency **(2 marks)**
- v. Reverse logistics **(2 marks)**

b) What do the following abbreviations stand for? **(1 mark each) (10 marks)**

- 1. 4PL    2. CO<sup>2</sup>    3. EIA    4. EMS    5. SME
- 6. ISO    7. JIT    8. KPI    9. RFID    10. ROI