



Faculty of Management and Social Sciences  
Department of Logistics & Transport  
BSc in International Transportation Management and Logistics  
Course CODE: COM550

Year I Semester II

REPEAT EXAMINATION

Transport Geography – TGEO0302

- This paper consists of EIGHT questions on THREE (03) pages.
- Answer FIVE Questions including Question 01.
- Only non-programmable calculators are allowed.
- You may use appropriate graphs, diagrams, equation/s to prove or justify the answers.
- If you have any doubt as to the interpretation of the wording of a question, make your own decision, but clearly state it on the script.
- Write legibly

Date: 2023.05.14

Pass mark: 50%

Time: 03 Hours

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### Question 01 (Compulsory)

- (a) **“The space in transportation is organized in such a way that it should rely in various dimensions”**. Identify and explain the two major dimensions that spatial organization relies on. (06 Marks)
- (b) There are 4 major Locational influences of transportation. Explain in detail, two such locational influences with examples. (06 Marks)
- (c) What are the constraints for transportation infrastructure? (05 Marks)
- (d) Mention and briefly explain three key elements in a transportation network. (03 Marks)

### Question 02

**In addition to being a factor of spatial organization, transportation is linked with the location of economic activities, including retail, manufacturing, and services.**

- a) What are the 4 locational influences of transportation? Explain (10 Marks)
- b) What are the constraints for transportation infrastructure? (05 Marks)
- c) Explain the scales of spatial organization for transportation. (05 Marks)

### Question 03

It's being accepted worldwide that "There is no transportation without geography and there's no geography without transportation".

- a) Explain in your own words how transportation is influenced by geography as well as influencing it. (06 Marks)
- b) What are absolute and relative barriers for transportation? Give examples for each. (03 Marks)
- c) What's the difference between geographic concentration and geographic specialization? (04 Marks)
- d) Describe with an example in the modern day, how the transportation has overcome physical environment with technology. (07 Marks)

### Question 04

- a) What's urbanization? What are the three major demographic trends that drives urbanization? (05 Marks)
- b) How transportation does aids urban form? (04 Marks)
- c) What're the types of urban mobility? (05 Marks)
- d) Explain the vicious cycle of congestion. (06 Marks)

### Question 05

**"Unit Delivery" is a newly formulated parcel delivery company and they aim to deliver parcels to any part of the world within a time frame of 24 hours. However, the owner of Unit Delivery company doesn't have a clear idea about the types of transport network structures.**

- (a) As a student learning Transport Geography module, mention and explain the most suitable network structure for the above scenario by highlighting the benefits of using the mentioned network structure. (10 Marks)
- (b) Compare and contrast the pros and cons between "Hub and Spoke Network structure" and "Point to Point Network structures". (10 Marks)

**Question 06**

- (a) "Containerized transportation substantially changed port dynamics". Explain in your own words. (10 Marks)
- (b) Distinguish between Monofunctional and Polyfunctional terminals. (06 Marks)
- (c) Briefly explain the factors that impact the airport traffic. (04 Marks)

**Question 07**

**"Freight transportation is critical to economic growth in any country. Efficient freight transport and logistics systems can strengthen the business competitiveness of a country"**

- a) Describe in your own words, what are the key issues and challenges in urban freight transportation of Sri Lanka? (08 Marks)
- b) Explain the concept of City Logistics and how it has affected to modern day freight transportation? (08 Marks)
- c) Distinguish between buyer driven and producer driven value chain (04 Marks)

**Question 08**

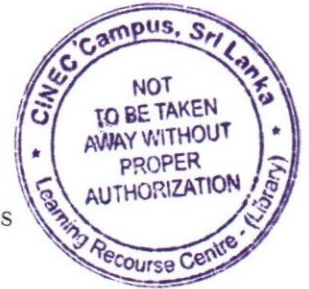
Write short notes on the below topics. (04 \* 05 Marks)

- (a) Congestion.
- (b) Pendulum movements.
- (c) City Logistics.
- (d) Manufacturing districts

-----END OF THE QUESTION PAPER-----



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REPEAT EXAMINATION

Principles of Management – MAGT036I

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- Answer FIVE Questions including Question 01.
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- Write legibly

Date: 2023.05.13

Pass mark: 50%

Time: 03 Hours

### Question 01: (Compulsory)

The external environment consists with everything outside an organization that might affect the ability of the organization to attain its goals. Explain the impact of below forces/factors for the organization's ability to attain its goals, with examples.

- Customers
- Competitors
- Demographic forces
- Political forces.

(05 Marks \* 4 = 20 Marks)

### Question 02

- What is planning? (03 Marks)
- List four advantages and three limitations of planning? (07 Marks)
- Well-constructed goals have five main characteristics. Explain these characteristics using an example. (10 Marks)

**Question 03**

- a) What is organizational structure? (04 Marks)
- b) List six basic elements of organizational structure? (06 Marks)
- c) What is "Training" in Human Resource Management Process? Explain two (02) tools/ methods that could be used for training employees. (10 Marks)

**Question 04**

- a) One of the frequently asked questions in management is "whether money motivates". What is your answer to this question? Justify your answer using suitable theory. (10 Marks)
- b) Write short notes on any two of the following topics.
- I. Goal-setting theory
  - II. Herzberg's Two-Factor Theory
  - III. Maslow's hierarchy of needs

(05 Marks \* 2 = 10 Marks)

**Question 05**

- a) What are the three steps in the control process? Describe them in detail. (14 Marks)
- b) Differentiate feedforward, concurrent, and feedback controls. (06 Marks)

**Question 06**

"Managers at all levels and in all areas of organizations make decisions". Describe the eight steps in the decision-making process (20 Marks)

**Question 07**

- a) "Managers face three main types of change: structure, technology, and people. Out of these three, changing people is the hardest one". Argue. (10 Marks)
- b) Explain common communication flows in an organizations (10 Marks)

**Question 08**

- a) "The corporate world is filled with stories of leaders who failed to achieve greatness because they failed to understand the context, they were working in." Elaborate the above statement using suitable contingency leadership theory of your choice. (10 Marks)
- b) "Power is the personal ability to exert influence in the organization". Explain two sources of power using examples. (10 Marks)

-----END OF THE QUESTION PAPER-----



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REPEAT EXAMINATION

Basic Knowledge in Engineering – ENGK0381

- This paper consists of EIGHT questions on THREE (03) pages.
- Answer FIVE Questions including Question 01.
- Only non-programmable calculators are allowed.
- You may use appropriate graphs, diagrams, equation/s to prove or justify the answers.
- If you have any doubt as to the interpretation of the wording of a question, make your own decision, but clearly state it on the script.
- Write legibly

Date: 2023.05.12

Pass mark: 50%

Time: 03 Hours

### Question 01 (Compulsory)

Briefly describe the main purpose of following equipments

- |                           |           |
|---------------------------|-----------|
| a) Air Compressors        | (4 marks) |
| b) Sewage Treatment Plant | (4 marks) |
| c) Oily Water Separator   | (4 marks) |
| d) Mooring Winch          | (4 marks) |
| e) Anchor Windless        | (4 marks) |

### Question 02

- |   |           |
|---|-----------|
| a) What are the main combustible elements in marine fuels ? | (3 marks) |
| b) What are the 4 conditions require to have a combustion ? | (5 marks) |



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- c) Name 4 products of combustion in I.C. engines (5 marks)
- d) What is "Flash Point" and "Auto ignition Temperature" of a flammable material? (7 marks)

### Question 03

- a) What is the difference between "refrigeration" and "air-conditioning"? (5 marks)
- b) Briefly explain the function of the main components of the refrigeration system (10 marks)
- c) Write 5 uses of fresh water on board ships. (5 marks)

### Question 04

- a) What is the purpose of MARPOL 73/78 Annexes? (4 marks)
- b) What is the maximum allowable oil content of bilge water which can be discharged over-board from machinery spaces? (4 marks)
- c) What is MARPOL Annex iv? (4 marks)
- d) What is MARPOL Annex v? (4 marks)
- e) What is the purpose of incinerator? (4 marks)

### Question 05

- a) What is the purpose of ships steering gear? (5 marks)
- b) What is the function of "Telemotor Receiver"? (5 marks)
- c) What are the main components of steering gear system? (10 marks)





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### Question 06

- a) Why safety valves are fitted to boilers ? (5 marks)
- b) What is a fire tube boiler ? (5 marks)
- c) What are boiler mountings ? (3 marks)
- d) Name 5 boiler mountings. (5 marks)
- e) What is a composite boiler ? (2 marks)

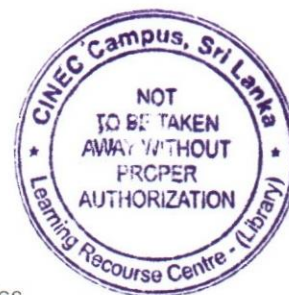
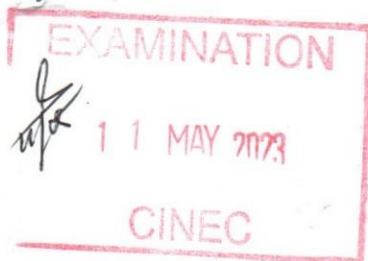
### Question 07

- a) What is T.D.C. and B.D.C. of an Internal Combustion (I.C.) engine ? (6 marks)
- b) What are the 4 events take place in I.C. engines ? (4 marks)
- c) What is the purpose of fresh water generator ? (5 marks)
- d) Write the purpose of H.F.O. (Heavy Fuel Oil) purifier . (5 Marks)

### Question 08

- a) What is the purpose of hatch covers ? (5 marks)
- b) What are the types of hatch covers that are mainly used on board ? (5 marks)
- c) What are the 2 basic types of pumps used on board ? (4 marks)
- d) Write any 3 types of pumps used on board ships and their uses (applications) . (6 marks)

-----END OF THE QUESTION PAPER-----



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REPEAT EXAMINATION

English for Business II – ENGL10308

- This paper consists of FIVE questions on NINE (09) pages.
- Answer ALL Questions.
- Only non-programmable calculators are allowed.
- You may use appropriate graphs, diagrams, equation/s to prove or justify the answers.
- If you have any doubt as to the interpretation of the wording of a question, make your own decision, but clearly state it on the script.
- Write legibly.

Date: 2023.05.11

Pass mark: 50%

Time: 03 Hours

**Section A - Business Vocabulary/ Structures**

**Question 01:**

**A. Match these words/phrases (1-10) with their definitions. (10 Marks)**

- |       |                       |       |
|-------|-----------------------|-------|
| i.    | Revenue               | ..... |
| ii.   | Outcome               | ..... |
| iii.  | bottom line           | ..... |
| iv.   | repurchase            | ..... |
| v.    | return on investment  | ..... |
| vi.   | best practice         | ..... |
| vii.  | competitive advantage | ..... |
| viii. | empowerment           | ..... |
| ix.   | customer              | ..... |
| x.    | quantity              | ..... |
- the conditions that make a business more successful than the businesses it is competing with, or a particular thing that makes it more successful
  - a working method, or set of working methods, which is officially accepted as being the best to use in a particular business or industry
  - continue buying



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- d. the final line in the accounts of a company or organization, which states the total profit or loss that has been made
- e. giving someone official authority or the freedom to do something
- f. the income that a government or company receives regularly
- g. profit made from something you have bought
- h. a result or effect of an action, situation, etc.
- i. a person who buys goods or services from a shop or business.
- j. a certain, usually specified, amount or number of something.

**B. Complete sentences putting words in the correct order. (10 Marks)**

- I. director/ prepared/ by/reports/ were/ the/ the.  
 .....
- II. they/ the/ usually/ at/ weekends/ work/ do?  
 .....
- III. will /neither/ here/ nor/ he/ a/ come/ representative/ send.  
 .....
- IV. people/ of/ jobs/ soon/ lose/ their/ will/ thousands  
 .....
- V. join/you/ company/ join/ were/ I/ by/ would/ I/ If.  
 .....

**Section B - English in Pragmatic/ Realistic Settings**

**Question 02:**

**A: Form the appropriate questions that match the replies in the given situation. (10 Marks)**

Look at the example:      *How much did you pay for the textbook?*  
    *I paid Rs. 800/- for the textbook.*

- I. Who.....?  
     The HR manager is signing the appointment letter.
- II. What.....?



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- He has sent an email.
- III. How often .....?
- The company produces leather goods once a month.
- IV. When.....?
- The factory manager will go to America next week.
- V. Why.....?
- The manager was happy because his staff achieved all the goals of the company last year.

**B: Write the following statements in passive voice. (10 Marks)**

Look at the example: Sarah welcomes the new employees.  
*The new employees are welcomed by Sarah.*

- I. Pamela will drive the bus.  
.....
- II. She has sent the current status report.  
.....
- III. The examination department announces the test results every year.  
.....
- IV. We should follow the recommended guidelines for replacing equipment.  
.....
- V. Those companies are introducing the ideas of corporate social responsibility.  
.....

**Section C - Comprehension**

**Question 03**

**A: Read the reviews and the statements. Select which review (A or B) does each statement refer to? (10 Marks)**

**A:**

**Guerrilla Marketing**

It is amazing how marketing books are so boring when marketing is so vibrant and lively. Here is a book that understands that and presents strong concepts in guerrilla marketing



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in a fun – to read manner. Of course, there is much more to this book than entertainment. As this book illustrates, the concepts of guerrilla marketing are timeless.

**B:**

### Marketing Idea

It is very interesting to read about marketing ideas that have got companies out of marketplace slumps. This book serves two very important purposes: if you are a growing company, you can orient our thinking in a way that will allow your company to continue to grow. If you are in a slow- growing market, or worse, a shrinking market, you will learn how to discover the value in your “hidden assets”. All companies that have been in business for some time develop hidden assets, but it takes very good companies to discover these assets and release the trapped value in them.

- I. The techniques which are explained in this book will not go out of fashion. (A/B)
- II. Your sales can continue their upward trend even in a difficult market. (A/B)
- III. You can read about how companies with falling sales became successful again. (A/B)
- IV. Unlike other books on this subject, this one makes enjoyable reading. (A/B)
- V. You will learn how to exploit resources in your company which you were not aware of. (A/B)

**B: Read the article below. Choose the best word or phrase to fill each gap from A, B, C, or D. (10 Marks)**

### Go Anywhere You Want to Go

At Flight Centre, we believe in giving you a lot of responsibility from day one, so one of our main priorities is to make sure you get the training and support you need to 1..... the skills which will allow you to succeed.

Training starts as soon as you 2..... - and it never stops. The initial programme is 3..... partly at your office and partly in our dedicated Learning Centre. For the first 12 months, you'll have a regular programme of training, 4..... topics as diverse as Advanced Sales, Goal Setting and Time Management.

After that, you can develop in any direction you choose by 5..... a range of courses and events in key areas: Sales and Service, a products and Airfares, Systems, and Personal Development. All this is provided at no 6..... to you. We have a consistent



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7..... of promoting from inside the company; currently about 90 per cent of our Team Leaders have come through the ranks, and we want to keep it that..... We're also keen to train the leaders of the future with our Leadership Development programme. It's an intensive training course 9..... up by specialist project work. After all, becoming a highflier in any company shouldn't be about just waiting to shuffle up the ladder. Her, the best people develop as far as they like, as fast as they like. We hope you'll be one of them. And the success of our philosophy of cultivating personal and 10..... development, as well as promoting from within, has earned us a Training and Development award for excellence, as voted by our employees.

Look at the example: (0)

A: desires    B: wants    C: aims    D: hopes

- |                |               |             |               |
|----------------|---------------|-------------|---------------|
| 1. A: win      | B: gain       | C: earn     | D: collect    |
| 2. A: join     | B: recruit    | C: contract | D: employ     |
| 3. A: situated | B: located    | C: based    | D: fixed      |
| 4. A: dealing  | B: covering   | C: learning | D: working    |
| 5. A: going    | B: assisting  | C: having   | D: attending  |
| 6. A: money    | B: payment    | C: cost     | D: price      |
| 7. A: record   | B: reputation | C: activity | D: standard   |
| 8. A: type     | B: sort       | C: kind     | D: way        |
| 9. A: set      | B: backed     | C: held     | D: kept       |
| 10. A: career  | B: work       | C: life     | D: profession |

**Section D - Presenting Information**

**Question 04**

A: ABC company had done a survey to find out their workers' requirements at the office during the working hours. The data table below shows the number of employees and the requirements they made. (10 Marks)

Requirement	Number of employees
Modernize existing office	56
Personal fan	32



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Laptop stand and a Notepad	65
Soft background music	22
Healthy snacks	15

Represent this information in a bar chart.

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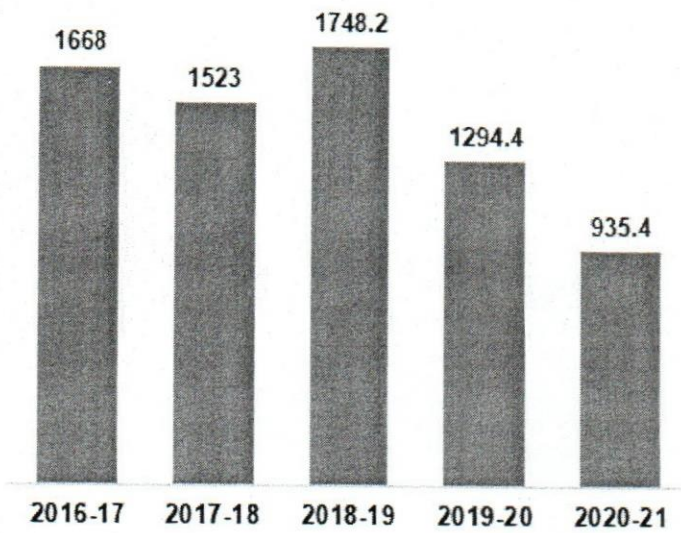
**B:**

Refer to the following graph of India wool and woollen products exports sales and profit figures. Write a short description using the data in the given bar chart. Write 60 - 75 words. (10 Marks)



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**India wool and woolen products exports (US\$ million)**



Source: Wool and Woolens export Promotion Council, DGCI&S

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**Section E - Business Writing**

**Question 05**

**A:** The following tables give some information about the profits and numbers of guests at Sunray Beach Resort, a leading hotel in Sri Lanka. Write a paragraph on the annual performance of Sunray Beach Resort using the facts and figures given in the following tables. Use about 100 words. (10 Marks)

**Sunray Beach Resort, Annual Profits**

2020	2021	2022
Rs.34.4 million	Rs.33.5 million	Rs.35.6 million

**Average monthly occupancy rate in 2022**

Jan	Feb	March	April	May	June
56%	62%	67%	76%	77%	93%
July	Aug	Sept	Oct	Nov	Dec
97%	100%	80%	62%	54%	56%

**Restaurant: Average percentage of restaurant diners not staying in hotel in 2022**

Jan-mar	April-June	July-Sept	Oct-Dec
66%	50%	45%	53%

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B: You have arranged a meeting with a member of staff from another department. Unfortunately, you cannot now attend. Write an e mail to your colleague.

- Explaining why you cannot meet
- Apologizing for the change of plan
- Suggesting an alternative day and time

Write 40-50 words.

(10 Marks)

To:  
From:  
Date:  
Subject:

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-----END OF THE QUESTION PAPER-----