

**INDIAN MARITIME UNIVERSITY**  
**School of Maritime Management**  
**End Semester Examinations, December 2017**  
**MBA (ITLM) Semester-III**  
**Geography of Transport Systems (PG22T2306)**

**Date: 23.12.2017**

**Time: 3 hours**

**Max. Marks: 60**

**pass Marks: 30**

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**Part – A 12 x 1 mark = 12 marks**

Choose the correct answer. Answer all the Questions.

1. Cyprus can be described as
  - a. An offshore financial centre.
  - b. An open registry.
  - c. An island in the Mediterranean sea.
  - d. All the above.
2. Choose the odd one out of the following:
  - a. Suez canal.
  - b. Grand canal.
  - c. Panama canal.
  - d. Kiel canal.
3. Which of the following is the reference point to the standard time zones?
  - a. Victorian internet.
  - b. Japan.
  - c. Greenwich.
  - d. China.
4. Containerisation of low value commodities can be attributed to
  - a. Container imbalance.
  - b. Non-availability of air cargo services.
  - c. High freight rate by liner shipping companies.
  - d. All the above.
5. Which of the following statement is true?
  - a. The railway gauge in India and China is same.
  - b. Russia uses the same railway gauge as China.
  - c. USA and China use the same railway gauge.
  - d. None of the above.
6. Land is a capital cost for which of the following mode of transport?
  - a. Road transport.
  - b. Rail transport.
  - c. Maritime transport.
  - d. All the above.

7. An airline from Srilanka can carry a passenger from India to Dubai as per which of the following rights?
- Second freedom.
  - Third freedom.
  - Fourth freedom.
  - Fifth freedom.
8. A node linking two modes is known as
- Hub.
  - Gateway.
  - Corridor.
  - Axis.
9. A Customer based in Hungary incurs higher transportation cost because
- Hungary is a European country.
  - Hungary is a land locked country.
  - Hungary does not have a cargo terminal.
  - None of the above.
10. Operating speed is an example for
- Spatial structure.
  - Industrial location.
  - Safety Policy.
  - All the above.
11. Which of the following factors influence the variability of mobility gap?
- Poverty.
  - Age.
  - Gender.
  - All the above.
12. An economy becoming more competitive due to a transport project is considered as
- Direct impact.
  - Indirect impact.
  - Induced impact.
  - International impact.

**Part- B. 5 x 4 marks = 20 marks**

Answer any 5 questions. (Not exceeding 200 words)

13. Name any 4 country related factors affecting location decisions?
14. What are the factors responsible for the growth of containerisation?
15. What are advantages of road transport over other modes of transport?
16. Explain the constraints in Rail transportation.

17. What are the parameters characterizing an Air Travel Market?
18. Name any four conditions affecting transport costs and explain any one of them in detail.
19. What are the technical performance indicators of freight transport?

**Part- C                      4 x 7 marks = 28 marks**

Question No. 20 is compulsory. Answer any 3 questions out of the remaining 5 questions. (Not exceeding 500 words)

20. The following passages have been extracted from Lloyds List 2017 report on Top 100 container ports in the world.
  - MUNDRA port (World rank: 45 (moved up 7 ranks) 2016 throughput : 3,320,285 TEU) once again had a solid year in 2016, with a 14.7% growth rate in container throughput, thanks to a range of measures taken by the port for infrastructural upgrades and capacity expansion. The new Adani CMA Mundra Terminal has an annual handling capacity of 1.3m TEU, taking the overall capacity at the Adani-owned port to 5.5m TEU and making it the largest container port in India.
  - JAWAHARLAL Nehru port in Mumbai (World rank: 33 (slipped 1 rank) 2016 throughput: 4,516,000 TEU) is India's largest container terminal, handling more than half of the country's seaborne box trade. Despite the country's rapidly expanding economy, the port achieved only a slight increase (0.8 %) in 2016, compared to the previous year, as it lost the extra volumes to smaller-to-medium sized ports.

Discuss the factors responsible for the growth of a Marine terminal and the above performances.

21. Which are the drivers of change for future transportation?
  22. Discuss the reasons for the growth in the containerization of trades.
  23. Graphically explain the relationship among distance, modal choice and transport cost.
  24. What are the different types of air pollution caused by various modes of transports?
  25. Explain the framework for the cost-benefit analysis in transportation projects and identify the concerns in using this method.
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