





v) In Broad gauge, the distance between inside faces of the rail is

- a) 1.557 metre
- b) 1.657 metre
- c) 1.676 metre
- d) none of these.



vi) Multi-modal transport system is related to

- a) air transport
- b) water transport
- c) land transport
- d) all of these.

vii) Air traffic control is a service provided by

- a) air-based controller
- b) ground-based controller
- c) both air and ground-based controllers
- d) not exactly any one of these.

viii) The principal objective of logistics is to deliver right product

- a) at right place
- b) at the right time
- c) of a right quality and cost level
- d) all of these.

ix) Air transport operations include

- a) domestic passengers carriage
- b) cargo movement
- c) international air traffic
- d) all of these.

x) India has one of the largest road networks in the world aggregating

- a) exactly 3 million km
- b) over 3 million km
- c) below 3 million km
- d) none of these.



5

**GROUP – B**

**( Short Answer Type Questions )**

Answer any *three* of the following.



3 × 5 = 15

2. State the economic importance of transportation.
3. How can transport technology be linked to five major waves of economic development ?
4. State the basic elements of water transport.
5. What are the different types of charter services available in international aviation ? Discuss.
6. Mention the responsibilities of Ministry of Road Transport.

**GROUP – C**

**( Long Answer Type Questions )**

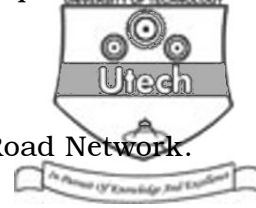
Answer any *three* of the following.

3 × 15 = 45

7. a) Define multi-modal transport.  
b) What are the advantages of multi-modal transport ?  
c) How can multi-modal transport operators contribute in providing Just-In-Time ( JIT ) transportation ? 3 × 5
8. a) Briefly explain the following modes of transport :  
Road, Rail, Air, Sea, Pipeline and Ropeways.  
b) Compare and contrast the different modes of transport using their advantages and disadvantages. 6 + 9
9. a) What do you mean by outsourcing of transport and logistics services ?  
b) Define the terms 3PL and 4PL.  
c) State the advantages and disadvantages of 3PL. 5 + 4 + 6



10. a) Explain why the Indian Road Network is inadequate. What are the problems faced ?
- b) Recommend solutions for developing the Indian Road Network. 8 + 7
11. a) Why is transport infrastructure known as 'Social Overhead Capital ( SOC )' or 'Partial Public Good' ?
- b) "Investment in transport infrastructure is relatively high at the initial stage of industrialization but low at the subsequent advanced stage." Comment. 7 + 8



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END