

MULTIMODAL TRANSPORTATION 2022

1- To cover inland waterway transport what document is to be used ?

2- Explain how freight rates typically vary with : the weight of shipment ; the distance a shipment is transported ; and the value of the transport service and identify distinctive factors

3- The distance between Toronto and Boston is about 500 miles. L.T.L. transportation cost of \$0.20 per cwt. Assume the product cost at Toronto is 10 \$ per cwt. Product cost at Boston is 70 \$.

Calculate the optimal location of the market boundary between Toronto and Boston.

4- What does mean piggyback transport?

5- List and argue differences between road (highway), inland waterway and sea shipping transport modes, as far as variable and fixed costs criteria are concerned.

6- The Wagner company supplies electric motors to Electronic Distributors Inc. on a delivered-price basis. Wagner has the responsibility for providing transportation. The traffic manager has three transportation service choices for delivery – rail, piggyback, and truck. He has compiled the following information :

Transport mode	transit time and days	Rate \$/Unit	Shipment Size, units
Rail	16	25.00	10,000
Piggyback	10	44.00	7,000
Truck	4	88.00	5,000

Electronic Distributors purchases 50,000 units per year at a delivered contract price of 500 \$ per unit. Inventory-carrying cost for both companies is 25% per year. Which mode of transportation should Wagner select?