PART A

Q1. State True or False (8)
1. Voyage Charter refers to shipment by air.
2. Packaging is not that important in logistics management.
3. Heuristic algorithm provides optimal solution.
4. In JIT, close coordination between buyer & seller not required.
5. Formulating strategy in logistics is done in isolation.
6. Supply Chain mapping is done to identify value added activities.
7. Product Design does not play any role in SCM.
8. Bar code is used for identifying bar.

Q2. Write Full Forms (8)
(1) AQL
(2) AITS
(3) RFID
(4) ICD
(5) VLCC
(6) DWT
(7) GPS
(8) LTL
Q3. **Match the Following** (8)

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<tbody>
<tr>
<td>A</td>
<td>Simulation</td>
<td>1</td>
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<tr>
<td>B</td>
<td>Wal-Mart</td>
<td>2</td>
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<tr>
<td>C</td>
<td>Nodal Network</td>
<td>3</td>
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<tr>
<td>D</td>
<td>Exact Algorithm</td>
<td>4</td>
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<td>E</td>
<td>Contracts</td>
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<td>F</td>
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<td>Pallets</td>
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<td>H</td>
<td>Heuristics Algorithm</td>
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Q4. **Write Small Note** (Any Four) (8)

1. Cross Docking
2. Inland Water
3. VMI
4. Artificial Intelligence
5. Robots
6. Lean Supply Chain

**PART B**

Write any THREE out of Following 5 Questions

Q5. What is Supply Chain Mapping? How it helps in the success of organisation? (16)

Q6. Write Short Note (Any Four)

1. Reverse Logistics
2. Just In Time
3. Third Party Logistics
4. E – Trading
5. Conveyors
6. EOQ

Q7. Discuss various objectives of Logistical Packaging. (16)

Q8. Explain SCM term. What is its importance today? (16)

Q9. What is “Selective Control Techniques” in Inventory? Describe each in brief. (16)
Q10. (20)

The data of ‘ABC manufacturing is given:

(1) Annual Demand – 250,000 Nos.
(2) Price/Unit – Rs. 1
(3) Demand – 4810 with standard deviation 400 per week
(4) Service Level @ 95% - K = 1.64
(5) Normal Lead Time – 6 weeks
(6) Maximum Lead Time – 10 weeks
(7) Probability of 10 weeks – 0.25
(8) Ordering Cost – Rs. 60/order
(9) Inventory Carrying Charge – 30%

Calculate
a) EOQ
b) Safety Stock
c) ROL For Fixed Quantity System
d) Maximum Level of Stocks

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