

Q. 1]

A. Match the Following

- | | |
|------|-------|
| 1. H | 2. G |
| 3. E | 7. F |
| 4. A | 8. B |
| 5. I | 9. C |
| 6. J | 10. D |

B. True or False:

True: 1, 2, 7, 9 and 10

False: 3, 4, 5, 6 and 8

Q.2]

A. Elements:

1. System Concept
2. Management & Co-ordination
3. Control Over Cargo
4. Containerization
5. MTOs
6. Modal Integration
7. Information System
8. Logistics Channel

B. Responsibilities:

Sec. 13, 14, 15, 16 and 19 of the Multimodal Transportation Act.

OR

C. MTO & Functional Systems.

Meaning (2)

Diagram (3)

Systems: (2 Marks Each)

1. Physical
2. Commercial
3. Administration & Co-Ordination
4. Flow of Information
5. Liability

Q.3]

A. RoRo:

Meaning & Difference: (3 Marks)

Types of RoRo Facility: (7 Marks)

- | | |
|----------|----------|
| 1. PCC | 5. RoPax |
| 2. PCTC | 6. RoLo |
| 3. ConRo | 7. LMSR |
| 4. GenRo | |

2

Q.P. CODE: 35144

Advantages & Disadvantages (5 Marks)

Pros:

1. Price
2. Preparation
3. Convenience

Cons:

1. Availability
2. Speed
3. Safety

OR

B. ITS:

Meaning of ITS- 3.5 Marks

Systems: (1.5 Marks Each)

ATMS

APTS

ATIS

C. APTS

Meaning (3 Marks)

A well-developed Advanced Public Transportation System (APTS) software package serves as an intelligent movement system for captive commuters. Although a typical APTS has an Automated Trip Scheduling System (ATSS), a Digital Geographic Database (DGD), and an Automated Vehicle Location Equipment (AVLE) as subsystems, the fact that vehicles in the study area are not equipped with AVLE made the authors to design for an APTS that has only the ATSS and DGD components.

Advantages (4 Marks)

1. Full automation of vehicle scheduling and trip reservation
2. Self- Availability of the commuters
3. Automation of trip reservation
4. Record keeping

Q. 4]

A. Procedure for Registration: (The Multimodal Transportation of Goods Act, 1993)

1. Sec. 3- No person to carry on business without registration (1 Mark)
2. Sec. 4- Registration of MMT
 - a. Prescribed fees, form and manner (3 Marks)
 - b. Conditions: (4 Marks)

B. Features:

1. Multiple Modes
2. Single Contract
3. Single MTO
4. Single Tariff
5. Containerization
6. Sub-Contracts
7. Efficient Interchange Services

OR

C. MMT in USA

As per the discretion of the examiner.

3

Q. 5]

A. MRTS:

Meaning of MRTS (2)

MRTS In India

1. Kolkata
2. Mumbai
3. Delhi
4. Hyderabad
5. Chennai
6. Bengaluru

B. BRTS:

Meaning (1)

Features (6)

- | | |
|---|---|
| 1. Bus only, grade-separated
right-of-way | 5. Vehicles with tram-like
characteristics |
| 2. Serves a diverse market with
high-frequency all day service | 6. Brand name |
| 3. Bus priority | 7. Level boarding |
| 4. Off-bus fare collection | 8. Station |

OR

C. Short Notes:

As per the discretion of the examiner.