

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Tech. (CSE/EE/ECE/ME) (Sem.-7)**

## TRAFFIC MANAGEMENT

**Subject Code : OECE-702-18**

**M.Code : 90630**

**Date of Examination : 09-01-2023**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

## SECTION-A

**1. Write briefly :**

- a) Describe briefly various limitations of rotary.
- b) Describe traffic stream characteristics.
- c) Enumerate traffic control centre.
- d) Discuss the role of ITS in traffic management.
- e) Explain At-grade intersections.
- f) What are object markings?
- g) What does “3-Es” stand for in traffic engineering?
- h) Explain Practical capacity.
- i) How are traffic islands classified?
- j) What do you mean by travel demand management?

### **SECTION-B**

2. Describe the concept of Design Capacity and level of service.
3. Write short notes on Signal Coordination.
4. What is tidal flow operation in traffic management system?
5. Explain the traffic management measures adopted for restricting the turning movements.
6. What is the significance of traffic regulations in traffic engineering?

### **SECTION-C**

7. What do you mean by PCU? Describe the concept of PCU. What are the various factors affecting PCU values, recommended values of PCU by IRC for Rural and Urban areas. What are the limitations of PCU?
8. Explain Intelligent Transportation System and discuss how the different functional areas of ITS helps in traffic management?
9. What do you mean by Traffic signs? What are the various types, explain with neat diagrams?

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**