**RV College** of Engineering
Mysore Road, RV Vidyaniketan Post
Bengaluru - 560059, Karnataka, India

# Department of Civil Engineering

| Date: 02-05-2025 | CIE - 1 | Max. Marks:60 |
|---|---|---|
| Semester: VI | UG | Duration: 2 Hrs |
| Course Title: Intelligent Transport Systems | | Course Code: CV266TEE |

## PART A

| SL. No | Questions | M | BT | CO |
|---|---|---|---|---|
| 1. | Mention two key characteristics of a transport system. | 2 | 2 | 1 |
| 2. | State any two major transport problems in urban areas. | 2 | 2 | 1 |
| 3. | How does urbanisation influenced transportation needs? | 2 | 2 | 2 |
| 4. | Mention two challenges in implementing ITS in developing countries. | 2 | 2 | 1 |
| 5. | State any two reasons why ITS is important for the Indian transport system. | 2 | 2 | 2 |

| SL. No | Questions | M | BT | CO |
|---|---|---|---|---|
| 1. | Outline ten key critical areas where training and educational needs for Intelligent Transport Systems (ITS) are identified according to the National ITS Professional Capacity Building Program. | 10 | 3 | 1 |
| 2. | Identify and describe the issues related to the transportation system within a city. | 10 | 3 | 1 |
| 3. | Describe the concept of Intelligent Transport Systems (ITS) and outline its user services. | 10 | 3 | 2 |
| 4. | How does ITS fit within the traditional transportation system? What are the difference and synergies between traditional transportation systems and ITS? | 10 | 3 | 1 |
| 5. | Identify the most congested corridor in your area. What are the problems associated with that corridor? What type of technology can help solve those problems? | 10 | 4 | 2 |

BT-Blooms Taxonomy, CO-Course Outcomes, M-Marks

| Marks Distribution | Particulars | | CO1 | CO2 | CO3 | CO4 | L1 | L2 | L3 | L4 | L5 | L6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Test | Max Marks | 36 3 | 24 | ** | ** | ** | 10 | 40 | 10 | ** | ** |

Can change the area