


VIT

Vellore Institute of Technology

Final Assessment Test – April 2026

Course: BCLE211L - Urban Planning and Development

Class NBR(s): 5072

Time: Three Hours

Slot: A1+TA1

Max. Marks: 100

- KEEPING MOBILE PHONE/ANY ELECTRONIC GADGETS, EVEN IN 'OFF' POSITION IS TREATED AS EXAM MALPRACTICE
- DON'T WRITE ANYTHING ON THE QUESTION PAPER

COs	CO Statements
CO1	Describe the importance of proper urban planning and housing schemes for a healthy city.
CO2	Explain the steps involved in planning a city using remote sensing and GIS.
CO3	Discuss the public transport and non-motorized transport facilities for a city.
CO4	Describe the importance of environment and natural resources in urban planning.
CO5	Illustrate smart cities developments in India and other countries.

BL – Blooms Taxonomy Level (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)

Answer ALL Questions

(10 X 10 = 100 Marks)

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| 1. | What is the Development Planning? Explain its main characteristics and objectives. | CO1 | BL2 |
| 2. | Apply the complete planning process to achieve the objectives of reducing traffic congestion in a rapidly growing city. Also Explain each stages from goal setting to evaluation. | CO3 | BL1,
BL3 |
| 3. | Distinguish between Simple Planning and Complex Planning with suitable examples. | CO3 | BL2 |
| 4. | A rapidly growing city is facing congestion and unplanned development. Propose a development control framework using Zoning, FAR, and Building Bye-Laws to regulate future development. | CO5 | BL1,
BL2,
BL3 |
| 5. | What are the Solar Vehicles and Electric Vehicles? Discuss their advantages in reducing urban pollution. | CO4 | BL1,
BL2 |
| 6. | Explain the need for integrating Land Use and Transport Planning. How does Transit-Oriented Development (TOD) help in reducing urban sprawl? | CO3 | BL1,
BL2 |
| 7. | Examine critically, how the Healthy Cities approach aligns with selected Sustainable Development Goals (SDGs) such as Zero Hunger, Clean Water and Sanitation, Climate Action, and Sustainable Cities. | CO2 | BL2 |
| 8. | Evaluate critically how RS, GIS, and IoT technologies together contribute to the development of Smart Cities. Also discuss their integration benefits and limitations. | CO5 | BL1,
BL2 |

- 9.a) Elaborate the characteristics, advantages and problems of planned and unplanned urbanization. Also give suitable examples with Indian scenario. CO2 BL2

OR

- 9.b) Describe the physical and mental health challenges faced in urban and sub-urban areas. Suggest measures for improving mental health services. CO2 BL2

- 10.a) Design a sustainable urban transportation strategy for a rapidly growing Indian city incorporating Public Transport, NMT, Metro, and Electric Vehicles. CO3 BL1, BL2

OR

- 10.b) Discuss the causes and impacts of Metro Traffic Congestion. How does Metro Rail act as a solution to reduce the traffic congestion? CO3 BL1, BL2

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