



**NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**B.Tech. – Cycle Test 2**

<b>Subject: CEIR11</b>	<b>Basics of Civil Engineering</b>	<b>Semester : 01</b>
<b>Date: 16.11.2023</b>	<b>Time: 1hour</b>	<b>Maximum Marks: 20</b>

1. Differentiate (8)
  - (a) Load bearing and framed structure
  - (b) Stone masonry and brick masonry
  - (c) Flexible and rigid pavements
  - (d) Longitudinal and Transverse Marking
2. Describe and sketch the different types of shallow foundation. (2)
3. Explain briefly the types of bond in brick masonry with neat sketch. (2)
4. Explain the criteria of site selection for residential building. (2)
5. What are the different types of roads based on materials? (2)
6. What are the urban transportation problems in recent days? (2)
7. Sketch each five-traffic sign based on warning, regulatory and informatory sign. (2)