|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Guru Nanak Dev Engineering College, Ludhiana** | | | | | | | |
| **Department of Civil Engineering** | | | | | | | |
| **Program** | | | B.Tech. | **Semester** | 6 | | |
| **Subject Code** | | | PECE-116 | **Subject Title** | Building Construction Practice | | |
| **Mid Semester Test (MST) No.** | | | 1 | **Course Teacher(s)** | Gurdeepak Singh & Sukhwinder Singh | | |
| **Max. Marks** | | | 24 | **Time Duration** | 1 hour 30 minutes | | |
| **Date of MST** | | | 17th March, 2025 | **Roll Number** |  | | |
| **Note: There is no choice in questions.** | | | | | | | |
| **Q.** | **Question** | | | | | **COs, RBT** | **Marks** |
| Q1 | List the various types of structures from the view point of load transfer mechanisms. | | | | | CO4, L2 | 2 |
| Q2 | Describe the various methods used for the design of high rise buildings. | | | | | CO4, L2 | 2 |
| Q3 | What are the key aspects and challenges in the responsible sourcing of the building materials? | | | | | CO2, L4 | 4 |
| Q4 | Explain the different types of Rubble masonry with the help of neat sketches. | | | | | CO1, L3 | 4 |
| Q5 | Explain different types of bonds used in brick masonry. | | | | | CO1, L4 | 4 |
| Q6 | Define the terms centering and shuttering for buildings. What are the recommended durations for the de-shuttering of formwork in various components in a building? | | | | | CO2, L3 | 8 |
| **CO** | | **Course Outcome** | | | | | |
| **1** | | Apply know-how to execute different types of construction using masonry and concrete | | | | | |
| **2** | | Plan and freeze specifications in light of BIS guidelines | | | | | |
| **3** | | Decide appropriate type of equipment needed to execute the construction activity | | | | | |
| **4** | | Select appropriate type of construction method and formwork | | | | | |
| **5** | | Construct various structural and non-structural building components | | | | | |
| **6** | | Execute different construction activities related to substructure and superstructure | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **RBT Level Number** | L1 | L2 | L3 | L4 | L5 | L6 |
| **RBT Level Name** | Remembering | Understanding | Applying | Analyzing | Evaluating | Creating |