

## 8.UNIT WISE QUESTION BANK

### 25CE301 BUILDING MATERIALS AND CONCRETE TECHNOLOGY

#### UNIT-1

| S.NO                                  | QUESTIONS                                                                                                                                                       | BT    | CO  | PO  |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|
| <b>Part-A(Short Answer Questions)</b> |                                                                                                                                                                 |       |     |     |
| 1                                     | What are the characteristics of a good building stone?                                                                                                          | L1    | CO1 | PO1 |
| 2                                     | Define quarrying of stones.                                                                                                                                     | L1    | CO1 | PO2 |
| 3                                     | What is dressing of stones?                                                                                                                                     | L1    | CO1 | PO1 |
| 4                                     | List any four tests conducted on building stones.                                                                                                               | L1    | CO1 | PO6 |
| 5                                     | What are the raw materials used in brick manufacturing?                                                                                                         | L1    | CO1 | PO5 |
| 6                                     | State any four properties of good bricks.                                                                                                                       | L1    | CO1 | PO1 |
| 7                                     | What is the purpose of seasoning of timber?                                                                                                                     | L1    | CO1 | PO3 |
| 8                                     | Define sapwood and heartwood.                                                                                                                                   | L1    | CO1 | PO1 |
| 9                                     | What are the common defects found in timber?                                                                                                                    | L1    | CO1 | PO3 |
| 10                                    | Differentiate between plywood and particle board.                                                                                                               | L1    | CO1 | PO4 |
| <b>Part-B(Long Answer Questions)</b>  |                                                                                                                                                                 |       |     |     |
| 1                                     | Explain the classification and properties of building stones. Discuss the requirements of good building stones used in construction.                            | L1,L2 | CO1 | PO2 |
| 2                                     | Describe the quarrying, dressing, and testing of stones with neat sketches.                                                                                     | L1,L2 | CO1 | PO5 |
| 3                                     | Explain the manufacturing process of bricks. Discuss the classification and properties of good bricks.                                                          | L1,L2 | CO1 | PO1 |
| 4                                     | Describe the different tests conducted on bricks and explain their significance in construction work.                                                           | L1,L2 | CO1 | PO2 |
| 5                                     | Explain the types, properties, manufacturing process, and uses of clay tiles in buildings.                                                                      | L1,L2 | CO1 | PO1 |
| 6                                     | Discuss the classification and structure of timber. Explain the defects, seasoning, and preservation methods of timber.                                         | L1,L2 | CO1 | PO2 |
| 7                                     | Explain engineered wood products such as plywood and particle board. Discuss their manufacturing process, properties, advantages, and applications in buildings | L1,L2 | CO1 | PO3 |