**20CE103**

**Hall Ticket Number:**

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| **I/IV B.Tech (Regular\Supplementary) DEGREE EXAMINATION** | | | |
| **February, 2024** | **Civil Engineering** | | |
| **First Semester** | **Introduction to Civil Engineering** | | |
| **Time:** Three Hours | | **Maximum:** 70 Marks | |
| ***Answer question 1 compulsorily.*** | | | **(14X1 = 14Marks)** |
| ***Answer one question from each unit.*** | | | **(4X14=56 Marks)** |
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|  |  |  | CO | BL | M |
| 1 | a) | List out the domains of Civil Engineering. | CO1 | L1 | 1M |
|  | b) | What is Geotechnical Engineering? | CO1 | L2 | 1M |
|  | c) | Write the importance of Civil Engineering in society. | CO1 | L2 | 1M |
|  | d) | What is retaining wall? | CO2 | L1 | 1M |
|  | e) | List the types of dams. | CO2 | L1 | 1M |
|  | f) | Define runway. | CO2 | L2 | 1M |
|  | g) | Define geology. | CO3 | L1 | 1M |
|  | h) | Define weathering | CO3 | L2 | 1M |
|  | i) | Define petrology. | CO3 | L2 | 1M |
|  | j) | Define surveying. | CO3 | L1 | 1M |
|  | k) | Differentiate between plan and map. | CO4 | L1 | 1M |
|  | l) | Draw the conventional symbol of pond. | CO4 | L1 | 1M |
|  | m) | What is R.F? | CO4 | L2 | 1M |
|  | n) | Write the instruments using for linear measurements. | CO4 | L2 | 1M |
| **Unit-I** | | | | | |
| 2 |  | Explain about the various domains of Civil Engineering. | CO1 | L2 | 14M |
|  |  | **(OR)** |  |  |  |
| 3 |  | Write the roles and responsibilities of Civil Engineer. | CO1 | L3 | 14M |
| **Unit-II** | | | | | |
| 4 |  | Explain the classification of roads. | CO2 | L2 | 14M |
| **(OR)** | | | | | |
| 5 |  | Explain about types of buildings. | CO2 | L3 | 14M |
| **Unit-III** | | | | | |
| 6 |  | Explain about the types of land forms. | CO3 | L3 | 14M |
| **(OR)** | | | | | |
| 7 |  | Explain about the types of mass wasting. | CO3 | L2 | 14M |
| **Unit-IV** | | | | | |
| 8 | a) | Write any three of classification of surveying based on instruments. | CO4 | L2 | 7M |
|  | b) | Write the uses of Surveying. | CO4 | L2 | 7M |
| **(OR)** | | | | | |
| 9 | a) | Differentiate between the plane surveying and geodetic surveying. | CO4 | L2 | 7M |
|  | b) | Write any three of classification of surveying based on purpose. | CO4 | L3 | 7M |

