Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov/Dec – 2017**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| **Code :** | **14CE1001** | **Duration :** | **3hrs** |
| **Sub. Name :** | **BASIC CIVIL ENGINEERING** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Enumerate the qualities of good brick. | CO2 | 5 |
| b. | Explain the classification of survey. | CO1 | 10 |
| c. | List the functions of civil engineering. | CO1 | 5 |
| (OR) | | | | |
| 2. | a. | List the characteristics of stones. | CO2 | 5 |
| b. | Summarize the points to be remembered for site selection. | CO1 | 12 |
| c. | Recall the principles of surveying. | CO1 | 3 |
|  |  |  |  |  |
| 3. | a. | Define sanitary engineering. | CO3 | 2 |
|  | b. | Discuss the types of bonds in brick masonry. | CO2 | 8 |
|  | c. | Elaborate the sources of water supply. | CO3 | 8 |
| (OR) | | | | |
| 4. | a. | Compile the types of foundation. | CO2 | 10 |
|  | b. | Prioritize the components of a building with a neat sketch. | CO2 | 6 |
|  | c. | Discuss briefly about Random Rubble Masonry. | CO2 | 4 |
|  |  |  |  |  |
| 5. | a. | Summarize the benefits of good system of roads. | CO1 | 8 |
|  | b. | Discover in detail about the classification of roads. | CO3 | 12 |
| (OR) | | | | |
| 6. | a. | Survey about the components of railway track. | CO3 | 12 |
|  | b. | List the advantages of railways. | CO3 | 5 |
|  | c. | Inspect the term gauge. | CO3 | 3 |
|  |  |  |  |  |
| 7. | a. | Rephrase the components of airport. | CO3 | 12 |
|  | b. | Develop the layout of harbor with neat sketch. | CO3 | 8 |
| (OR) | | | | |
| 8. | a. | Compile the classification of dams. | CO3 | 12 |
|  | b. | Design about the site selection for dams. | CO1 | 8 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Elaborate the classification of bridges with neat sketch. | CO3 | 12 |
|  | b. | Write short notes on types of irrigation. | CO3 | 8 |

ALL THE BEST