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

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**End Semester Examination – Nov/Dec – 2018**

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| **Code :** | **17CE1002** | **Duration :** | **3hrs** |
| **Sub. Name :** | **BASIC CIVIL ENGINEERING** | **Max. marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Recall the functions of civil engineer. | CO1 | 9 |
| b. | Illustrate the various super structure components of building. | CO2 | 6 |
| c. | Mention other sectors which depends on the civil engineering. | CO1 | 5 |
| (OR) | | | | |
| 2. | a. | Describe the different types of building. | CO2 | 18 |
| b. | Write a short note on Environmental Impact Assessment. | CO1 | 2 |
|  |  |  |  |  |
| 3. | a. | Explain the principle of Surveying. | CO2 | 6 |
| b. | Write short note on   1. Setting out of building. 2. Method of setting out of building. | CO2 | 14 |
| (OR) | | | | |
| 4. | a. | Write Short on   1. Plan. 2. Map. 3. Scale. | CO2 | 6 |
| b. | Classify Survey based on its Nature, Objective, methods and instruments used. | CO2 | 14 |
|  |  |  |  |  |
| 5. | a. | Analyze the different flooring systems. | CO4 | 5 |
| b. | Compare the properties of steel and concrete. | CO3 | 5 |
| c. | Explain Different classification and manufacturing of brick. | CO3 | 10 |
| (OR) | | | | |
| 6. | a. | Explain the factors to identify good bricks. | CO3 | 5 |
| b. | Examine the different bonds in masonry construction. | CO4 | 7 |
| c. | Classify the different types of cement and enumerate its importance. | CO3 | 8 |
|  |  |  |  |  |
| 7. | a. | Prepare the general layout of Airport with neat sketch. And explain their components. | CO2 | 12 |
| b. | Compare roadways and railways. | CO5 | 6 |
| c. | State coning of wheel. | CO5 | 2 |
| (OR) | | | | |
| 8. | a. | Explain the classification of roads according to material used | CO5 | 15 |
| b. | Define the following:   1. Gauge. 2. Gradient. 3. Ware house. | CO1 | 5 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Summarize building Automation and Write its benefits. | CO6 | 10 |
| b. | Describe the Fast track construction in civil engineering field. | CO6 | 10 |