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

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

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| **Code :** | **14CE2015** | **Duration :** | **3hrs** |
| **Sub. Name :** | **CONSTRUCTION TECHNOLOGY** | **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. | Explain the necessity of bye Laws and their requirements? | CO1 | 10 |
| b. | Discuss the functional requirement of buildings. | CO1 | 10 |
| (OR) | | | | |
| 2. | a. | Classify different loads applied on the buildings as per IS 875? | CO2 | 8 |
| b. | Explain the different buildings classification according to NBC code? | CO2 | 12 |
|  |  |  |  |  |
| 3. | a. | Summarize types of foundation and their construction. | CO3 | 10 |
| b. | Select the required timbering of trenches for different depth of foundation? | CO3 | 10 |
| (OR) | | | | |
| 4. | a. | Assess the foundation failures and write its remedial measures. | CO6 | 12 |
| b. | Write notes on ventilation and lighting requirements in buildings | CO5 | 8 |
|  |  |  |  |  |
| 5. | a. | Recall flat roofs used for building with neat sketches. | CO3 | 10 |
| b. | Reflect on the roof covering materials used for buildings. | CO3 | 10 |
| (OR) | | | | |
| 6. | a. | Compare and contrast precast and in-situ construction methods. | CO2 | 10 |
| b. | Explain the different classification of stone masonry. | CO3 | 10 |
|  |  |  |  |  |
| 7. | a. | Explain the Damp proofing and bring out its causes and effects in construction. | CO3 | 10 |
| b. | Articulate on the form work used as temporary structures in construction. | CO6 | 10 |
| (OR) | | | | |
| 8. | a. | Interpret plastering and pointing used in construction. | CO3 | 10 |
| b. | Write notes on lime, cement and mortar. | CO1 | 10 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Describe the material handling and erection of structures. | CO6 | 10 |
| b. | Discuss on the concreting equipment for concrete construction. | CO6 | 10 |