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



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

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|  |  |  |  |
| **Code :** | **14CE2004** | **Duration :** | **3hrs** |
| **Sub. Name :** | **BUILDING MATERIALS AND GEOLOGY** | **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. | Write a short note on the manufacturing process of cement. | CO3 | 10 |
| b. | Throw light on different types of concrete. | CO3 | 10 |
| (OR) | | | | |
| 2. | a. | Elucidate various tests in bricks. | CO3 | 10 |
| b. | Elaborate the different test in fresh and hardened concrete. | CO3 | 10 |
|  |  |  |  |  |
| 3. | a. | Enlist and detail about different types of Hot and Cold working in steel. | CO3 | 10 |
|  | b. | Summaries all methods in treatment of timber. | CO3 | 10 |
| (OR) | | | | |
| 4. | a. | State the method adopted for corrosion resistance of steel. | CO3 | 6 |
|  | b. | List any seven Miscellaneous construction materials. | CO3 | 14 |
|  |  |  |  |  |
| 5. | a. | What are the Scope and objectives of Engineering geology? | CO1 | 14 |
|  | b. | Enumerate and explain the three phases of geological works. | CO1 | 6 |
| (OR) | | | | |
| 6. |  | Summaries geological work of wind with suitable illustrations. | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | Elaborate of fault, fold and joints with supporting sketches. | CO2 | 20 |
| (OR) | | | | |
| 8. | a. | Describe some preventive measures for landslides. | CO1 | 5 |
|  | b. | What do you understand by primary and secondary structures? | CO2 | 5 |
|  | c. | Detail about difference types of geophysical methods of soil exploration. | CO2 | 10 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Elaborate different geographic features formed by stream erosion? | CO2 | 10 |
|  | b. | Distinguish between minerology and petrology. State their role in construction practices. | CO1 | 10 |

ALL THE BEST