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

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

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| **Code :** | **17CE3077** | **Duration :** | **3hrs** |
| **Sub. Name :** | **FOREST, URBAN AND AGRICULTURAL WATERSHED MANAGEMENT** | **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 Sustainable watershed management. | CO2 | 10 |
| b. | Explain the watershed concept. | CO1 | 10 |
| (OR) | | | | |
| 2. | a. | Compile the key objectives of national water policy. | CO5 | 10 |
| b. | List and explain the available “appropriate technology ” for better watershed management. | CO6 | 10 |
|  |  |  |  |  |
| 3. |  | Demonstrate the role of soil and soil moisture conservation as a land management tool. | CO3 | 20 |
| (OR) | | | | |
| 4. |  | Demonstrate the key characteristics of the agricultural watershed. | CO4 | 20 |
|  |  |  |  |  |
| 5. | a. | Elaborate the merits and demerits of interlinking of the river. | CO6 | 10 |
| b. | List and explain the features which define a region to a humid climate. | CO5 | 10 |
| (OR) | | | | |
| 6. | a. | Identify the factors involved in land preparation and development. | CO1 | 10 |
| b. | Compose the concomitant effects of deforestation in watershed management. | CO4 | 10 |
|  |  |  |  |  |
| 7. |  | Explain different types of treatments applied to watersheds and the expected outputs after the application of such treatments. | CO6 | 20 |
| (OR) | | | | |
| 8. | a. | List and explain different types of drought. | CO2 | 10 |
| b. | Distinguish between geologic and accelerate erosion of soil. | CO2 | 10 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Justify the statement “*watershed development approach invites integrated inputs of various disciplines.*” | CO6 | 20 |