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



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

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| **Code :** | **18CE3057** | **Duration :** | **3hrs** |
| **Sub. Name :** | **FOREST, URBAN AND AGRICULTURAL WATERSHED MANAGEMENT** | **Max. Marks:** | **100** |

**ANSWER ANY FIVE QUESTIONS (5 x 16 = 80 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Explain in detail about watershed delineation. | CO1 | 8 |
| b. | Elaborate in detail about the possibility of an interdisciplinary approach to watershed management. | CO3 | 8 |
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| 2. | a. | Explain the influence of forests on hydrologic processes. | CO1 | 8 |
| b. | Compose the impact of deforestation in forest watershed management. | CO2 | 8 |
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| 3. | a. | Relate erosion and sediment with agriculture watershed management. | CO2 | 8 |
| b. | Compose the trend of agriculture at local and global scale. | CO3 | 8 |
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| 4. |  | Elaborate on the role of soil and water conservation in a watershed development plan. | CO5 | 16 |
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| 5. | a. | Evaluate the impact of urbanisation in the hydrology of the urban environment. | CO3 | 10 |
| b. | Compile the major factors of land use planning and conservation in an urban environment. | CO6 | 6 |
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| 6. |  | Enumerate the role of different modern tools in watershed management. | CO6 | 16 |
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| 7. |  | Describe in detail about different elements of a watershed development plan. | CO5 | 16 |
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| **COMPULSORY QUESTION (1 x 20 = 20 Marks)** | | | | |
| 8. |  | Compose a success story of a watershed management plan implemented in India. | CO6 | 20 |