

Seat
No.

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DAI1342

ELECTIVE - I
Water Shed Management
(New) (1252)

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Solve **any two** questions from each unit.
5. Assume suitable data if necessary.
6. Use of non-programmable calculator is allowed.
7. Draw neat sketches wherever necessary.

UNIT - I

1. Describe in detail watershed characteristics. **10**
2. Explain watershed management with suitable examples. **10**
3. Explain significance of watershed management development. **10**

UNIT - II

4. Explain in detail stream flow and runoff. **10**
5. Explain about water Balance with examples. **10**
6. Describe in detail climate and precipitation. **10**

UNIT - III

7. Explain in detail soil and water conservation measures. **10**
8. Explain in detail Land capability classification. **10**
9. What are the objective planning in watershed management. **10**

UNIT - IV

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| 10. | Explain about watershed Resource appraisal. | 10 |
| 11. | Describe in detail point source and non point source pollution. | 10 |
| 12. | Describe in detail issues in water Resource. | 10 |

UNIT - V

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| 13. | Describe in detail rain water harvesting from URBAN structures. | 10 |
| 14. | Explain in detail Green roof and Goals and strategies of urban watershed management. | 10 |
| 15. | Describe in detail storm water pollution abatement technologies. | 10 |
