

**CERTIFICATE IN WATER HARVESTING
AND MANAGEMENT (CWHM)**

00803

Term-End Examination

December, 2010

**ONR-001 : INTRODUCTION TO WATER
HARVESTING**

Time : 2 hours

Maximum Marks : 50

Note : Attempt any five questions. All questions carry equal marks.

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| 1. | (a) | Describe watershed activities. | 5 |
| | (b) | Explain the main focus of Watershed Programmes. | 5 |
| 2. | (a) | What do NWDPR, DPAP & NABARD stand for ? | 3 |
| | (b) | Explain the goals of Watershed Programmes. | 5 |
| | (c) | Define PRA. | 2 |
| 3. | (a) | Explain the role of Panchayati Raj Institutions. | 5 |
| | (b) | Write full form of the following. | 5 |
| | (i) | SLNA | |
| | (ii) | PIA | |
| | (iii) | DPR | |
| | (iv) | WDT | |
| | (v) | DRDA | |

4. (a) What is rain water harvesting ? Describe the advantages of rain water harvesting. 5
- (b) Define following terms. 5
- (i) Aquifer
 - (ii) Check dam
 - (iii) Dark area
 - (iv) PET
 - (v) Recharge.
5. (a) Write short notes on following ITK of water harvesting 6
- (i) Johads
 - (ii) Khadin
 - (iii) Kuls
 - (iv) Paar System
- (b) Explain role of PIA in Water-Shed Management Programme. 4
6. (a) What are different integrated farming systems adopted in watershed areas ? 5
- (b) Write short note on the following : 5
- (i) GCA
 - (ii) Irrigation Efficiency
 - (iii) CCA
 - (iv) Drought
 - (v) Ground Water

7. (a) What is the role of ground water in irrigation ? 3
- (b) When was western Yamuna canal constructed ? 1
- (c) What are the main data to be collected in natural resource survey ? 4
- (d) Define the followings. 2
- (i) Irrigation Intensity
- (ii) Water Use Efficiency
8. (a) What was share of water for industry in 2000 ? 2
- (b) Enlist major important points in proper planning of watershed. 5
- (c) When were the following canals constructed ? 3
- (i) Godavari Delta System
- (ii) The Eastern Yamuna Canal
- (iii) Bhakhra Nagal
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