

**PGDWR-02****Post Graduate Diploma in Water  
Resources Management**

June - Examination 2015

**Need and Concept of Integrated  
Water Management****PGDWR-02***Time : Three Hours]**[Max. Marks : 100*

**Note:** The Question paper is divided into three sections A, B and C. Write Answers as per given instructions.

**Section-A**

## Very Short Answer Questions

**Note:** Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 2 marks. (10×2=20)

1. (i) What is people participation?  
(ii) Define rainwater management?  
(iii) Define sodic soils?  
(iv) What is agriculture drainage?  
(1)

- (v) How can we make people participation sustainable?
- (vi) Mention the methods of rainwater harvesting?
- (vii) Write the Inglis formula?
- (viii) Explain the levelling index?
- (ix) What is watercourse?
- (x) Define plane of best fit?

### Section-B

(Short Answer Questions)

**Note:** Answer any 4 questions. Each answer should not exceed 200 words. Each question carries 10 marks.

4×10=40

2. Make a note on Chambal Command Area?
3. What is drop spillway?
4. Explain the grazing land management?
5. Define soil salinity?
6. What strategy should we follow to fit the people in the project?
7. Define soil conservation?
8. Make a note on rainwater harvesting in Rajasthan?
9. Mention the techniques for reclamation of waterlogged areas?

(2)

### Section-C

(Long Answer Questions)

**Note:** Answer any two questions. You have to delimit your answer maximum up to 500 words. Each question carries 20 marks. 2×20=40

10. Which factors affect the selection of drainage?
11. What is the global, national and state scenario of people participation particularly in water management?
12. What are the different water control and diversion structures?
13. What are the main advantages and disadvantages of open drains?

—x—

(3)