

PGDWR-03**Post Graduate Diploma in Water
Resources Management**

June - Examination 2015

Performance Evaluation of Irrigation Projects**PGDWR-03***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) Describe the two tier operation in Warabandi?
(ii) Define aqueduct?
(iii) Classify the steady state losses?
(iv) What are the functions of WUA?

- (v) Define alkalinity?
- (vi) Define wetlands?
- (vii) What is waterlogging?
- (viii) Define irrigation efficiency?
- (ix) Mention any two water-borne diseases?
- (x) Define cusec?

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. Define water regulation?
- 3. Draw a lay out of canal system?
- 4. Explain the different methods for measuring losses?
- 5. What are the general maintenance problems, describe most critical failure problem?
- 6. Make a note on Rajasthan Farmer's Participation in Management of Irrigation Systems Act, 2002?
- 7. Explain the agro-economic impacts of water resources project?
- 8. Describe the term ecosystem?

(2)

- 9. What do you understand by water quality?

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. Describe in detail the formation of water distribution committee?
- 11. Prepare an effective MIS system on maintenance planning?
- 12. What are the possible potential negative impacts of a water resources project?
- 13. Discuss problems of water resources development sector and their possible solutions.

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(3)