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PGDWR-03

June – Examination 2020

Post Graduate Diploma in Water Resources Management Examination

Performance Evaluation of Irrigation Projects
Paper : PGDWR-03

Time : 3 Hours]

[Maximum Marks : 100

Note :- The question paper is divided into three Sections A, B and C. Write answers as per given instructions.

Section-A

10×2=20

(Very Short Answer Type 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.

1. (i) Explain the factors of a good water distribution system.
- (ii) Define gravity dam.
- (iii) What is conveyance efficiency ?
- (iv) What are percolation losses ?
- (v) Define gully erosion.
- (vi) Define wetlands.
- (vii) What is salinization ?
- (viii) Define ecosystem.
- (ix) Define environmental impact.
- (x) Define water budgeting.

Section-B **4×10=40**

(Short Answer Type Questions)

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

2. How you will form water distribution committee ?
3. Classify the category of an irrigation system by its size.
4. Explain the assessment of seepage losses.
5. List the sources for preparing a maintenance plan.

6. Describe the three-tier system of participatory irrigation management.
7. What is the necessity of benchmarking ?
8. Describe various types of losses in the conveyance system and on the field.
9. Define environmental impact.

Section-C **2×20=40**

(Long Answer Type Questions)

Note :- Answer any *two* questions. You have to delimit your each answer maximum up to **500** words. Each question carries 20 marks.

10. Prepare an effective MIS system on maintenance planning.
11. Discuss the operation of canal based on crop water requirement.
12. What are the common recommendations of performance evaluation studies ?
13. Discuss the operation of canal based on crop water requirement.