

PGDWR-03

December – Examination 2021

Post Graduate Diploma in Water Resource Management Examination

Performance Evaluation of Irrigation Projects
Paper : PGDWR-03

Time : 1½ Hours]

[Maximum Marks : 100

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

Section-A

5×4=20

(Very Short Answer Type Questions)

Note :- Answer any *five* 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 4 marks.

1. (i) Describe warabandi.
- (ii) Define Buttress Dam.
- (iii) Define Visible Leakage Losses.
- (iv) What are Percolation Losses ?
- (v) Define Gully Erosion.
- (vi) Define Scouring.
- (vii) What is Waterlogging ?
- (viii) Define Irrigation Efficiency.
- (ix) Mention any *two* water-borne diseases.
- (x) Define Cusec.

Section-B **4×20=80**

(Short Answer Type Questions)

Note :- Answer any *four* questions. Answer should not exceed **200** words. Each question carries 20 marks.

2. Define Water Regulation.
3. Draw a layout of Canal System.

4. Explain the different methods for measuring losses.
5. What are the general maintenance problems ? Describe most critical failure problem.
6. Describe the physical features of an irrigation system.
7. Explain Soil Alkalization and its impact on agriculture.
8. What are the common recommendations of performance evaluation studies ?
9. Discuss the operation of canal based on crop water requirement.