

PGDWR-01

December – Examination 2021

Post Graduate Diploma in Water Resource Management Examination

Need of Water Resource Planning
and Management

Paper : PGDWR-01

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) Define Agroclimatic Zone.
 - (ii) Explain Readily Available Water.
 - (iii) Explain Hydro-electric Power.
 - (iv) Define Permanent Wilting Point.
 - (v) Explain the Crop Water Requirement.
 - (vi) Define Green Manure.
 - (vii) What is Sprinkler Irrigation ?
 - (viii) Explain Water Conservation.
 - (ix) Define Sub-irrigation.
 - (x) What is Topography ?
3. Explain the use of Water Resources in India.
 4. Explain the water needs of the crops.
 5. Explain the role of water in Plant Development.
 6. Explain the rooting characteristics and moisture use of crops.
 7. Discuss the Hose Reel System.
 8. Present soil and land irrigability classification.
 9. Explain irrigation scheduling based on soil characteristics.

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. Make a note on institutional set up for water resources in India.