

592

PGDWR-01

June – Examination 2020

Post Graduate Diploma in Water Resources Management Examination

Need of Water Resource Planning
and Management

Paper : PGDWR-01

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) Define agro climatic zone.
- (ii) Explain readily available water.
- (iii) Explain hydro-electric power.
- (iv) Define permanent wilting point.
- (v) Define green manure.
- (vi) What is topography ?
- (vii) What is soil erosion ?
- (viii) Define gravity irrigation.
- (ix) What is sprinkler irrigation ?
- (x) Define soil structure.

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. Which waterways are fit for navigation in India ?
3. Mention the indirect method for measuring water flow.
4. What are advantages of drip irrigation system ?
5. Make a note on bubbler method of irrigation.

6. Make a note on rooting characteristics and moisture use of crops.
7. Discuss the hose reel system.
8. Make a note on micro sprinkler.
9. Explain irrigation scheduling based on soil characteristics.

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. Discuss the irrigation development in India.
11. Explain the furrow irrigation in detail.
12. Present soil and land irrigability classification.
13. Explain the stages of critical growth of crops.