

# PGDWR-01

December – Examination 2020

## Post Graduate Diploma in Water Resources Management Examination

Need of Water Resource Planning  
and Management

Paper : PGDWR-01

*Time : 2 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**

**2×10=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 Soil as a medium of plant growth.
- (ii) What is maximum water holding capacity ?
- (iii) Explain Hydro-electric Power.
- (iv) Define Alkalinity.
- (v) Define Wetlands.
- (vi) What is Topography ?
- (vii) Do you feel the large quantity of water helps in optimum crop production ?
- (viii) What should be the irrigation depth in Cucumber, Potato, Tomato and Peas ?
- (ix) What is Uniform Irrigation ?
- (x) Why did you decide to join PGDWR Course ?

**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. Explain the role of water in Plant Development.  
Do you know that irrigation may have harmful effects ? How ? Draw figures also.

3. Explain the stages of Irrigation Development.
4. What are the principal methods of measurement of Flow of Water ?
5. How many types of critical flow flowers are there ? Explain in detail.
6. What is Irrigation Water Management ? Explain.
7. What is the importance of soil texture ?
8. Make a note on Density of Soil.
9. Explain the approaches for estimating crop water requirement.