

# **PGDWR-04**

**December – Examination 2020**

## **Post Graduate Diploma in Water Resources Management Examination**

**Practical Approach of Water Resource  
Development**

**Paper : PGDWR-04**

*Time : 2 Hours ]*

*[ Maximum Marks : 100*

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**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 the classes of Soil Structure.
  - (ii) Define Infiltration Rate.
  - (iii) What is Auger Hole Method ?
  - (iv) Name the flow measuring structures.
  - (v) What is plane of Best Fit ?
  - (vi) Define Pressurized Irrigation Method.
  - (vii) What is Medium Irrigation Project ?
  - (viii) Mention the advantages of sprinkler irrigation.
  - (ix) Define Ridgeline.
  - (x) Mention the objectives of good Chak design.
4. How to measure flow by using cut throat flume ?
  5. Explain the preparation of L-section of field drain.
  6. How to measure flow by using parshall flume ?
  7. Explain Water Table Monitoring.
  8. How cut-fill ratio is determined ?
  9. What is the role of jungle clearance in canal maintenance ?

**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 measurement of Infiltration.
3. Describe the piezometer method to determine hydraulic conductivity.