

Roll No. .../...~~240~~56

Total No. of Questions : 6]

[Total No. of Printed Pages : 3

**B.E. VIth Semester (CGPA)
Examination, 2017**

EF-337

CIVIL ENGG.

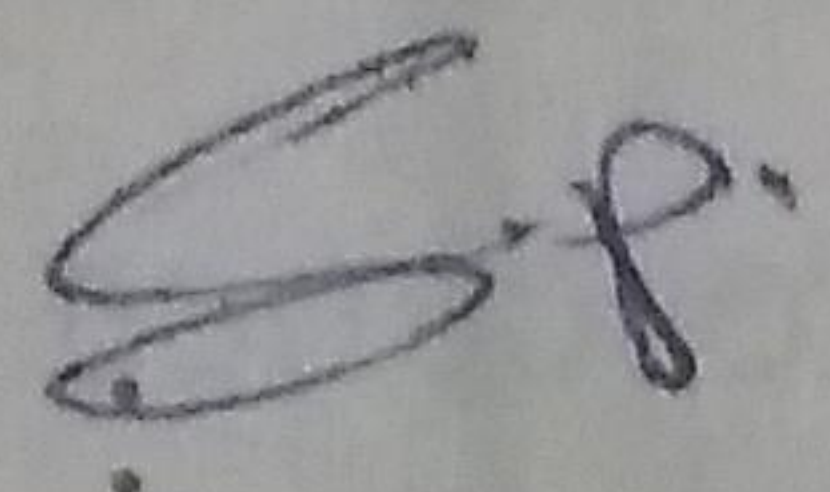
(Water Resources Engg.)

Paper : CE-602

Time : 3 Hours]

[Maximum Marks : 60

Note :- Attempt all questions.

1. Explain the following terms : 

(i) Precipitation and its Measurement

(ii) Rain Water harvesting

(iii) Types of Well

(iv) Synthetic unit Hydrograph

(v) Confined and unconfined aquifers

2×5=10

SS-337

(1)

Turn Over

2. Enumerate the different types of rain gauges and describe with a neat sketch, the construction and functioning of the non-recording type of gauge being used in India.

Or

Explain Hydrological cycle with the help of neat sketch. What is the use of its study in Irrigation engineering ?

10

3. What is meant by water-logging ? What are its ill effect ? Describe some anti-water-logging measures with suitable sketch.

g.p.

Or

What is salt efflorescence ? What are the causes and effect of salt efflorescence ?

10

4. What is the role of water in Environment ? What are its resources ?

Or

Discuss briefly the various steps that are involved in planning water resource projects.

10

5. Explain the following terms :

- (i) Field capacity
- (ii) Crop Rotation

Or

Establish relationship between delta and duty. Explain both the terms. Give method to improve duty. 10

6. Explain types of canals. Give Lacey's silt theory for the design of canal.

S.R.

Or

What do you understand by head regulator ? State functions of a distributory head regulator and a cross regulator. 10