**Rajasthan Institute of Engineering & Technology, Jaipur.**

**Department of Civil Engineering**

**I Mid Term examination**

**Session: 2018-19**

 **Subject – WRE-I (7CE1A)**

**Semester – VII th (4TH year) Set -A**

Time: 2 hrs. M.M.:20

**Instruction for students:**

1. No provision for supplementary answer book.

Q.1 what is the hydrological cycle. Explain in details.

 **Or**

Q.1 What is the difference between duty and Delta. Derive the relation between duty and delta

Q.2 What is the unit hydrograph what are the assumption of the unit hydrograph theory

 **OR**

Q.2 Describe the segments of hydrograph. What is the hydrograph.

Q.3 What is the difference between recording and non recording type rain gauge explain any one in detail.

 Or

Q.3 What is the infiltration capacity. Explain W-index & ɸ-index.

Q.4 What is the difference between the multiple cropping and crop rotation.

 Or

Q.4 What is the water harvesting .explain it