Roll no …………………….

**VISION INSTITUTE OF TECHNOLOGY, ALIGARH**

**Session 2019-20**

**B.Tech. 3rd Year (6th Sem.) Internal Sessional -I**

**SUBJECT NAME:** (RAG-603) **Branch: AG**

**Max. Time: 2 Hours Max. Marks: 50**

**Section-A**

**QNo-1Attempt *all* questions from the following: (2x5=10)**

1. What do you understand by Water harvesting?
2. How to harvest water at our home?
3. Give two examples of short term water harvesting techniques.
4. What is the main difference between catchment & watershed?
5. What is spillway? Write its uses.

**Section-B**

**QNo-2 Attempt any *Five* questions from the following: (5X5=25)**

1. Define Water harvesting techniques? Describe both short term & Long term techniques.
2. What do you understand by terracing? Write its types also.
3. What is emergency spillway? What is the main advantage of this.
4. Write down the advantages of terracing & Bunding.
5. Write down the factors affecting the runoff.
6. Why water harvesting is very important system for us describe in details.
7. What do you understand by bunding system? Write its types also.
8. What is soil erosion? Which agents are responsible for soil erosion?

**Section- C**

**QNo-3 Attempt any *two* questions from the following:** (**7.5x2=15)**

1. What is the farm pond? Write the site selection of the farm pond.
2. What is dug out pond? Draw a labeled diagram.
3. Write short notes on-

a) Runoff

b) Rock Catchment

c) Soil Erosion

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