

Hemchandracharya North Gujarat University
Community College
Advance Diploma in Agriculture and Soil Science
Semester- I
Internal Examination, Oct.-Nov.-2017
Subject Code: - AS- 104
Subject: - Irrigation and water management

Time: 2 hrs

Date: 02/11/2017

Marks: 40

Q.1 Answer any 10 MCQ questions. Each question carries 1 mark.

[10*1=10]

1. What is the annual rainfall of India?
[A] 1100 mm [B] 1500 mm
[C] 1000 mm [D] 1190 mm
2. _____ increase weeds population.
[A] Irrigation [B] Fertigation
[C] Crop [D] None of these
3. How many part of water covered by ground water and moisture?
[A] 2.01 % [B] 0.001 %
[C] 0.58 % [D] 0.02 %
4. The leaves of plant contain _____ % of water.
[A] 35 to 95 % [B] 70 to 90 %
[C] 60 to 90% [D] None of these
5. _____ is a way of transportation of nutrient from roots to shoots.
[A] Water [B] Sunlight
[C] Oil [D] None of these
6. Which implements are used in a primary tillage?
[A] Country plough [B] Mould board plough
[C] Tractor [D] All of these
7. Definition: 1. Irrigation
2. Fertigation
8. Write down the formula of WR.
9. Write down the full form of WUE.
10. Write down the full form of SWM. —

[P. T. O.]

Q.2 Answer any 4 questions. Each question carries 05 marks.

[4*5=20]

1. Write down the objective of irrigation.
2. Write down the pitcher and funnel method with figure.
3. Write down the importance of irrigation management
4. Write down the classification of quality irrigation water.
5. Write down the irrigation methods any 3 with figure.

Q.3 Answer any one. Each question carries 10 marks.

[1*10=10]

1. Write down the advantages and dis-advantages of irrigation.
2. Write down the drip irrigation method in detail with figure.