

Hemchandracharya North Gujarat University
Community College
Advance Diploma in Agriculture and Soil Science
Semester- I

Internal Examination, November-2018

Subject Code: - AS- 104

Subject: - Irrigation and water management

Time: 2 hrs

Date: 19/11/2018

Marks: 40

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

[10*1=10]

1. Which one is the objective of irrigation?
[A] To Reduces hazards of frost [B] To reduce hazards of piping
[C] A & B both [D] None of these
2. Who many percentages of water are reserved as a ground water and soil moisture?
[A] 97.39 % [B] 2.01 %
[C] 0.58 % [D] 0.02 %
3. Who say "Water is the driver of Life"?
[A] Leonardo da Vinci [B] Norman Borlaug
[C] Jethrotull [D] Anton de Barry
4. Fleshy fruit contain _____ percentage of water.
[A] 35 to 95 % [B] 60 to 90 %
[C] 70 to 90 % [D] None of these
5. Which irrigation method is a tradition irrigation method?
[A] Furrow method [B] Drip irrigation method
[C] A & B both [D] None of these
6. In which method fear of spread of disease is high?
[A] Check-basin method [B] Ring basin method
[C] Basin method [D] None of these
7. Which irrigation method is invented by farmer of Rajasthan?
[A] Flood Method [B] Pitcher method
[C] Funnel Method [D] Bubbler Method
8. In which method pesticide and fertilizer application is very easy?
[A] Sprinkler Irrigation method [B] Drip Irrigation method
[C] Pitcher method [D] A & B both
9. _____ is an artificial source of irrigation water.
[A] River [B] Rain
[C] Sea [D] Dam
10. Which equipment is used for Fertigation in drip and sprinkler irrigation method?
[A] Sand filter [B] Venturi
[C] Centrifugal filter [D] None of these

[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 importance of irrigation management.
3. Write down the general classification of different types of sprinkler irrigation method.
4. Write down the advantages of drip and sprinkler irrigation method.
5. Write down the any three methods of irrigation with figure.

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

[1*10=10]

1. Write down the components of drip irrigation in detail.
2. Write down the components of sprinkler irrigation method in detail.