

Hemchandracharya North Gujarat University
Advance Diploma in Agriculture and Soil Science
Semester I End Examination December 2016
AS- 104 Irrigation and water management

Time: 2 hrs

Date: 22/12/2016

Marks: 40

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

[10*1=10]

1. Annual average rainfall in India
[A] 700 mm [B] 1190 mm
[C] 450 mm [D] 1500 mm
2. 3- 4 indicate in boron content.....
[A] Normal water [B] medium boron content
[C] Low boron water [D] high boron water
3. Application of fertilizer with irrigated water is called _____
[A] Irrigation [B] Broadcasting
[C] Fertigation [D] Topdressing
4. Percentage of potash in MOP Fertilizer.
[A] 18% [B] 60%
[C] 46% [D] 50%
5. Full form of IPL
[A] Indian potash Limited [B] Indian Plant Laboratory
[C] A & B [D] None of these
6. Which country is invented micro irrigation system?
[A] India [B] USA
[C] China [D] Israel
7. Which irrigation system is used in garden?
[A] Furrow [B] Dip irrigation
[C] Fogger [D] Sprinkler irrigation
8. Covering of the soil is called _____.
[A] Irrigation [B] Mulching
[C] Fertigation [D] Earthingup
9. Headquarter of ICAR Located at _____.
[A] Mumbai [B] New Delhi
[C] Bangalore [D] Punjab
10. Percentage of nitrogen in MOP
[A] 18 % [B] 48%
[C] 60 % [D] 0 %

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

[4*5=20]

1. Write down the objectives of irrigation.
2. Write down the importance of irrigation management.
3. Write down the advantages and dis-advantages of irrigation.
4. Write down the classification of irrigated water for agricultural crops.
5. write down the irrigation schedule of rice and groundnut

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

[1*10=10]

1. Draw the figure of ventury system and write down the advantages of fertigation
2. Write down about sprinkler irrigation system with advantages and dis-advantages in detail with figure and their component