

The H.N.S.B.Ltd. Science College, Himatnagar  
Internal Examination September-2017

B.Sc. Semester: 3

Subject: Botany

Date: 14 /09/2017

Marks: 40

Paper No.: CC-BOT-212

Time: 11:30 to 1:00

Instruction: Illustrate your answer with neat and labeled diagram is compulsory.

- Que.1 (A) Give the detail note of following question ( any one ) 07
1. What is Osmosis ? Describe it's types and import ants.
  2. What is colloidal system ? Explain it's properties.
- (B) Write short notes ( Any one ) 04
1. Importance of water in plant life..
  2. Imbibition.
- Que.2 (A) Give the detail note of following question ( any one ) 07
1. Ecological adaptation of Eichhornia..
  2. Qualitative characters in plant community..
- (B) Write short notes ( Any one ) 04
1. Ecological characters of xerophytes plants.
  2. Any two types quantitative characters in plant community.
- Que.3 (A) Give the detail note of following question ( any one ) 07
1. Polygenic inheritance.
  2. Linkage and its types.
- (B) Write short notes ( Any one ) 04
1. Human blood groups.
  2. Multiple alleles and its characters..
- Que.4 Give the answer as directed of following question. 07
1. Water molecule length is \_\_\_\_\_ and its two hydrogen atoms make \_\_\_\_\_ angle.
  2. Define : True solution.
  3. Mucilage duct is character of \_\_\_\_\_ .  
(a) Hydrophytes (b) Mesophytes (c) xerophytes.
  4. Explain : Physiognomy in plant community.
  5. Explain: Linkage group.
  6. How many genes are responsible for polygenic inheritance effect?
  7. Define : Multiple alleles.