

RDL 700: Biomass Production

(Minor - I)

Max. Marks: 20

Duration: 1 hour

Date: 15th February, 2015

Q.1. What do you mean by Organic farming, Natural farming, Rishi farming and Parma culture? Discuss all aspects/ steps considered important in organic farming. (5)

Q.2. Draw diagram showing transcription & translation steps i.e. from DNA to protein. (5)

- Q.3. Differentiate;
- a) Prokaryotes from Eukaryotes 2
 - b) Red algae from Brown algae 1
 - c) Lithophytes from Psycrophytes 1
 - d) Coprophagous from Sanguivorous animals 1
- (5)

Q.4. (A) True or False:

- a) Lysine is hydrophobic and basic in nature.
 - b) Arginine is hydrophilic and acidic in nature.
 - c) Aspartic acid is hydrophobic and basic in nature.
 - d) Glutamic acid is hydrophilic and acidic in nature.
- 0.5x 4= 2
- (B) What are rare amino acids? 1
- (C) Write short note on Starch 2
- (5)