



BE-5793

Seat No. _____

B. Sc. (Sem. V) Examination

May / June - 2014

EC - Biotechnology

(Ecology & Ecosystems)

(New Course)

Time : 3 Hours]

[Total Marks : 50

- 1 Answer any three of the following : 9
- (1) Give examples of some typical macro communities with their microbes.
 - (2) Short note on prokaryotic microbial mat "Desert Crusts".
 - (3) Draw the Carbon cycle.
 - (4) Discuss in brief Batch system.
 - (5) Write in short about grassland ecosystem.
- 2 Discuss any four of the following : 20
- (1) Saline aquatic biomes.
 - (2) Freshwater aquatic biomes.
 - (3) Commensalism with example.
 - (4) Microcosms
 - (5) Parasitism and Predation.
- 3 Write in detail any three of the following : 21
- (1) Discuss how one can study genetic diversity of microbial population.
 - (2) Write about positive and negative interaction within population.
 - (3) Discuss Nitrogen cycle.
 - (4) Write note on terrestrial biomes.
 - (5) "Diversity and Stability of microbial community" Discuss.