

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
B.Sc Examination Winter 2018-19

Semester: 2
Subject Code: 11100155
Subject Name: Foundations of biology II

Date: 14/12/2018
Time: 10:30 am to 01:00 pm
Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1. A) What is Biodiversity? Explain its conservation in detail. (08)

Q.1. B) Answer the following questions (Any two)

- (a) Short note: Food chains (04)
- (b) Explain any two population interactions with example. (04)
- (c) Write a note: Biofertilizers (04)

Q.2. A) Answer the following questions.

- (a) How Green house effect is changing environment? (04)
- (b) Give detail account on ecological importance of Fungi. (04)

Q.2. B) Answer the following questions (Any two)

- (a) How microbes are useful in human welfare? (03)
- (b) Give definitions of Habitat & Niche. (03)
- (c) Short note: Productivity (03)

Q.3. A) Explain structure of Algae and Fungi with diagram. (08)

Q.3. B) Answer the following questions (Any two)

- (a) Explain structure, types and uses of Lichens. (04)
- (b) Short note: Apiculture (04)
- (c) Describe ecological pyramids (04)

Q.4. A) Answer the following questions.

- (a) Causes and treatment for SCID and Cancer. (04)
- (b) What is Plant tissue culture? Give its applications (04)

Q.4. B) Answer the following questions (Any two)

- (a) Short note : Biosphere Reserves (03)
- (b) Define: Hotspots, Red data book. (03)
- (c) Short note: Animal Husbandry (03)