

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
B.Sc. Examination, Summer 2017-18

Semester: 2
Subject Code: 11100155
Subject Name: Foundations of Biology - II

Date: 16/05/2018
Time: 10:30 am to 1:00 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) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
 (a) Classification of Algae.
 (b) Cancer: Types and Causes
- Q.1. B) Answer the following questions (Any two) (04)**
 (a) Short note/ Brief note (2x2)
 1. What are pathogens?
 2. What are the types of Fungi?
 (b) Short note: Explain Immunity. (04)
 (c) Short note: Typhoid (04)
- Q.2. A) Answer the following questions. (04)**
 (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks)
 1. Give symptoms of Malaria.
 2. What is Ecology?
 (b) Short note: Apiculture. (04)
- Q.2. B) Answer the following questions (Any two) (03)**
 (a) (Each of 01 marks)
 1. What is the full form of SCID?
 2. Which are water bond diseases?
 3. What are lichens?
 (b) Short note: Economic Importance of Fungi. (03)
 (c) Short note: Green house effect. (03)
- Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)**
 (a) Plant tissue culture
 (b) Air pollution
- Q.3. B) Answer the following questions (Any two) (04)**
 (a) Short note/ Brief note (2x2) (Each of 02 marks)
 1. Precaution of water pollution
 2. Symptoms and precaution of cholera.
 (b) Short note : Ecological importance of Algae (04)
 (c) Short note : symbiotic relationship (04)
- Q.4. A) Answer the following questions. (04)**
 (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks)
 1. Reproduction in Algae.
 2. Uses of fungi in food industries.
 (b) Short note: Bio-fertilizers (04)
- Q.4. B) Answer the following questions (Any two) (03)**
 (a) Short note/ Multiple choice questions. (Each of 01 mark) (03)
 1. Classification of algae is based on.....
 A) Pigmentation B) Food reservoir
 C) Reproduction D) All of the above
 2.....can be used to treat both municipal and industrial wastewater.
 A) Bacteria B) Algae
 C) Virus D) Diatoms
 3. The main function of Flagella is.....
 A) Motility B) feeding
 C) Reproduction D) protection
 (b) Short note: Causes of Water pollution. (03)
 (c) Short note: Biodiversity. (03)