

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D., May-2018 Examination

Year: 1**Subject Code: 08207130****Subject Name: Biology****Date: 18/05/2018****Time: 10:00 am to 1:00 pm****Total Marks: 70****Instructions**

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay Type Questions. (any 2 out of 3) (15 Mark Each) (30)

1. Describe the isolation of bacteria and explain the stains and types of staining.
2. Define stem. Enumerate modification of stem. Discuss in detail underground and subaerial modifications with suitable examples.
3. Define plant taxonomy and discuss in detail taxonomy of umbelliferae family.

Q.2 Short Essay Type Questions. (any 4 out of 5) (5 Mark Each) (20)

1. Write short note on poisonous animals.
2. Write functions and deficiency symptoms of mineral nutrients in plants.
3. Classify the types of inflorescence.
4. Define and classify animal tissues.
5. Describe respiratory system of frog and add note on physiology of respiration.

Q.3 Short Answers. (2 Mark Each) (20)

1. Define eucaryota and prokaryote.
2. Give therapeutical importance of vitamins.
3. Describe the medicinal importance of pisces.
4. Mention the factors which promote growth of the plants.
5. Difference between meristematic tissue and permanent tissue.
6. Define: Glycolysis and Photosynthesis.
7. What are roots? Give functions of it.
8. Give characters of mammalian.
9. Discuss structure of skin of frog
10. Define phyllotaxy and draw diagram of different types of phyllotaxy.