

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D (PB) Examination – 2020-21

Year: 1
Subject Code: 08207130
Subject Name: Biology

Date: 21-05-2022
Time: 10:00am to 1:00pm
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 all Permanent plant tissues with well labeled diagrams.
2. Write a short note on Fungi with its usefulness in pharmaceutical industry.
3. Describe urinogenital system of Frog with diagram.

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

1. Write a short note on parts of flower with well labeled diagram.
2. Describe family: Liliaceae
3. Explain the characteristics of Osteichthyes/ bony fishes and write about medicinal importance of Pisces.
4. Write a short note on poisonous animals
5. Write an exhaustive note on skin structure of Frog with well labeled diagram.

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

1. Enlist various regions of root.
2. Draw well labeled diagram of an animal cell.
3. Write difference between prokaryotes and Eukaryotes.
4. Differentiate between fat soluble and water soluble vitamins
5. Define: 1) Pollination 2) Ergastic substances
6. Differentiate between gram-negative bacteria and gram-positive bacteria.
7. Give the parts of reproductive system of frog. (diagram not needed)
8. Describe any two characteristics of class Arthropoda with examples.
9. Enlist the factors affecting Enzyme activity.
10. Enlist the types of compound leaf.

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Pharm.D /Pharm.D (PB) Annual / Supplementary Examination (Month – 2020-21)

Year: 1st year

Date: (dd/mm/yyyy)

Subject Code: 08207130

Time: (3 Hrs.)

Subject Name: Biology

Total Marks: 70

ANSWER KEY

Q.1	Essay Type Questions. (any 2 out of 3) (15 Mark Each)	(30)
1.	1 mark: for each an correctly labeled diagram diagrams. (5 types of tissues are there) 2 marks: for description of each tissue.	15
2.	15 marks for enough Description.	15
3.	5 marks: for neat and correctly labeled diagram diagrams 10 marks: for description	15
Q.2	Short Essay Type Questions. (any 4 out of 5) (5 Mark Each)	(20)
1.	2 marks: for diagram 3 marks: description	5
2.	1mark: Diagram 1 mark: Floral formula 3 marks: Family description	5
3.	3 marks: description of Osteichthyes/ bony fishes 2 marks: medicinal importance	5
4.	5 marks: description	5
5.	2 marks: diagram 3 marks: description	5
Q.3	Short Answers. (2 Mark Each)	(20)
1.	2 marks: Description Give full 2 marks for only diagram as well if drawn.	2
2.	2 marks: for well-presented and labeled diagram	2
3.	2 marks: minimum 2 point in each class	2
4.	2 marks: description	2
5.	1 mark: for each definition	2
6.	2 marks: minimum 2 point in each class	2
7.	2 marks: description Give full marks if diagram is drawn	2
8.	1.5 marks: description 0.5 marks: examples	2
9.	2 marks: description	2
10.	2 marks: minimum 4 types	2