

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm. Winter 2017-18 Examination

Semester: 3
Subject Code: 08101206
Subject Name: Basics of Pharmacognosy

Date: 22/12/2017
Time: 2:00 pm to 5:00 pm
Total Marks: 75

Instructions:

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

Q.1 Essay type Questions. (Any 2 out of 3) (10 marks each) (20)

1. Explain factors affecting cultivation of medicinal plants.
2. Classify carbohydrates and give a note on ispaggol.
3. Explain physicochemical properties of lipids and Give pharmacognostical detail of castor oil.

Q.2 Short Essay type Questions. (Any 7 out of 9) (5 marks each) (35)

1. Define pharmacognosy and discuss history and scope.
2. Enlist classifications of crude drugs and explain chemical classification in detail.
3. Write a note on sources of crude drugs.
4. Discuss about non living cell inclusions.
5. Give a note on underground modification of stem.
6. Explain venation of leaf.
7. Write in detail about modification of adventitious root.
8. Classify plant growth hormone and discuss about auxin.
9. Explain method of preparation and use of starch.

Q.3 Answer in short. (2 marks each) (20)

1. Write classification of lipids.
2. Explain aestivation of flower.
3. Define iodine value, micropyle, bark and wood.
4. Write difference between organized and unorganized drug.
5. Classify fruit with example.
6. Write biological source, family, chemical test and use of honey.
7. Write botanical source, family, chemical constituents and use of linseed oil.
8. Differentiate Xylem and Phloem.
9. Draw well labeled figure of flower.
10. Write botanical source, family, chemical constituents and use of tragacanth.