

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

Semester: 6
Subject Code: 08101356
Subject Name: Applied Pharmacognosy

Date: 25/05/2018
Time: 10:00 am to 1:00 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. Define alkaloids, enumerate various system of classification and discuss chemical classification by citing examples.
2. Define plant tissue culture, enumerate various cultures and Give a detail note on protoplast culture.
3. Give a detail note on Ergot Alkaloids: B. S., Family, Life cycle, Morphology, Chemical Constituents and uses.

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

1. Give a note on marine anti-cancer agents.
2. Give a note on Poisonous Plants.
3. Give a note on Micropropagation.
4. Write about callus culture.
5. Discuss Plant cell immobilization.
6. Give a method of preparation of Indian Opium.
7. Give a note on anti-malarial drug from your syllabus.
8. Give a note on Kurchi bark.
9. Write complete Pharmacognosy of Indian Ginseng.

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

1. Discuss marine cardiovascular agents.
2. Give a note on marine anti-microbial agents.
3. Explain Explant.
4. Define Synthetic seeds and Plant elicitors.
5. Write method of Preparation of Tea.
6. Discuss Colchicum.
7. Write Biological sources of Indian Tobacco and Tobacco.
8. Write difference between Chota Chand and Bada Chand.
9. Draw microscopy of drug from loganiaceae family.
10. Differentiate *Ephedra gerardiana* and *Ephedra nebrodensis*.