

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm. Summer 2018-19 Examination

Semester: 6**Subject Code: 08101356****Subject Name: Applied pharmacognosy****Date: 13/04/2019****Time: 10:00am To 01:00pm****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. Write the different classifications and properties of alkaloid.
2. Enlist different types of culture and Explain in detail about protoplast culture and callus culture.
3. Write a detail note on ergot.

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

1. Define and explain synthetic seeds.
2. Mention the name of tropane alkaloid containing drugs and explain any one.
3. Enlist and explain different chemical tests used to identify alkaloids.
4. Write the synonym, B. S and family, chemical constituents and use of Vinca and Vasaka.
5. Describe nutritional requirements for plant tissue culture.
6. Write a detail note on opium.
7. Discuss the pharmacognosy of Rawolfia.
8. Write in a detail about antimalarial drug.
9. Write a note on poisonous plants.

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

1. Enlist the name of indole alkaloid containing drugs.
2. Write the family and chemical constituents of pilocarpus.
3. Give the B. S and family of drug used in treatment of Gout.
4. Define: Cryopreservation and Explant.
5. Write the B. S and family, chemical constituents and use of tobacco.
6. Draw the structure of ephedrine and pseudo ephedrine.
7. Write the B. S., family, chemical constituents and use of tea.
8. Mention the name and chemical constituents of drug having lignified trichomes.
9. Differentiate proto and pseudo alkaloids.
10. Define: Plant tissue culture and Alkaloids.