

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm. Winter 2019-20 Examination

Semester: 5**Subject Code: 08101306****Subject Name: Pharmacognosy and Phytochemistry- II****Date: 02/12/2019****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 Glycosides. Write in detail about classification of glycosides with suitable examples.
2. Define and classify pesticides. Write essentials of good pesticides and explain different methods for pest control.
3. Describe cultivation, collection, method of preparation and chemical tests of different varieties of Aloe.

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

1. Describe different types of natural allergens with their effects.
2. Define enzymes. Write a detail note on Diastase.
3. Draw neat labelled diagram of Morphology and Microscopy of Senna leaf.
4. Describe chemical tests for following drugs
 - a) Silybum
 - b) Cascara
 - c) Dioscorea
 - d) Digitalis
 - e) Bitter almond
5. Write a short note on Photosensitizing agents with suitable examples.
6. Write a pharmacognostic note on Psoralea.
7. Differentiate following
 - a. Cardenolides and Bufadienolides
 - b. Black mustard and White mustard
8. Define saponins. Give a detail note on Dioscorea.
9. Give Biological source, family, active constituents and uses of Picrorrhiza and Chirata.

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

1. Explain Keller-killani test.
2. Differentiate Indian squill and European squill.
3. Cascara bark should be stored for 1 year before use- Justify.
4. Give Biological source, family, active constituents and uses of Silybum.
5. Gentian is judged by its water soluble extractives.
6. Differentiate Pepsin and Papain.
7. Give Biological source, family, active constituents and uses of Kalmegh.
8. Comment- Aloe leaf should not be pressed while extracting the juice.
9. Draw well labeled diagram of T.S. of Liquorice.
10. Describe chemical test for Saponin glycosides.