

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

**Semester: 5****Date: 26/05/2018****Subject Code: 08101306****Time: 10:00AM TO 01:00PM****Subject Name: Pharmacognosy & Phytochemistry-II****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. Enumerate its Classification and explain each classification giving suitable examples.
2. Define and classify Enzymes. Write Biological Source, Method of Preparation, Chemical Tests and uses of enzyme obtained from plant source.
3. Write in detail method of preparation and chemical tests of different types of Aloe.

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

1. Define Saponin Glycoside. Write in detail about properties, Types and chemistry of saponins.
2. Describe the allied drugs of Digitalis leaf.
3. Draw neat labelled diagram of Morphology and Microscopy of Senna.
4. Define Photosensitizing agents. Classify with suitable examples and explain mechanism of action.
5. Write a pharmacognostic note on cardiac glycosides containing seed drug.
6. Define and classify pesticides. Write essentials of good pesticides. Describe two examples of natural pesticides.
7. Describe different types of natural allergens with their effects.
8. Write a detail note on drug used in treatment of Leucoderma.
9. Give Biological source, family, active constituents and uses of Kalmegh and Chirata.

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

1. Differentiate between cardenolides and bufadienolides.
2. Give Biological source, family, active constituents and uses of Silybum.
3. Write down difference between Black and White Mustard.
4. Describe chemical test for Bitter almond and Ruta.
5. Cascara is to be stored for one year prior to use – Justify.
6. Draw well labelled diagram of T.S. of Liquorice.
7. Describe Chemical test which differentiate O-Glycoside and C-Glycoside.
8. What are Jamaican and surinam Quassia? How are these differentiated?
9. Comment on - Scilla should be stored in moisture proof containers.
10. Explain therapeutic importance of Bitter glycosides.