

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

**Semester: 5**  
**Subject Code: 08101306**  
**Subject Name: Pharmacognosy & Phytochemistry- II**

**Date: 22/12/2017**  
**Time: 10:00am to 1:00pm**  
**Total Marks: 75**

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**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. Give a detail note on cardiac glycoside: Definition, classification with example, SAR, Mechanism of action, Chemical test, uses.
2. Give a detail note on Yashtimadhu and an Immunomodulator drug.
3. Give a detail note on Aloe: General Pharmacognosy, method of preparation of various varieties, chemical test and uses.

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

1. Define Glycoside and write a detail note on classification based on their glycosidal linkage with example.
2. Give a detail note on Senna.
3. Give a detail note on Chirata and Kalmegh.
4. Give a detail note on squill.
5. Give a detail note on Cynogenetic glycoside.
6. Define Enzyme and give a note on vegetable Pepsin.
7. Give a note on Natural allergens.
8. Give a note on Natural Insecticides, Pesticides and Herbicides.
9. Give a detail note on Fungal toxin.

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

1. Give a difference between two species of Digitalis.
2. Write BS, family, CC and uses of drug used in leucoderma.
3. Draw schematic diagram of microscopy of bitter wood.
4. Give a difference between black and white mustard.
5. Give a brief note on Yam root.
6. Give a brief note on Milk Thistle.
7. Importance of star spots in Rubarb
8. Give a brief note on Pepsin.
9. Comment: why anthraquinone glycoside should prescribe with carminative.
10. Give a brief note on Gentian.