

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**  
**Pharm. D November- 2019 Examination**

**Year: 2****Subject Code: 08207203****Subject Name: Pharmacognosy and Phytopharmaceuticals****Date: 27/11/2019****Time: 2:00 pm to 5:00 pm****Total Marks: 70****Instructions**

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

**Q.1 Essay Type Questions. (any 2 out of 3) (15 Mark Each) (30)**

1. Define alkaloids. Write in detail properties and classify alkaloids.
2. Define the term proteins, classify them and write a note on method of analysis of proteins with examples.
3. Write in detail about factors affecting the cultivation of crude drugs.

**Q.2 Short Essay Type Questions. (any 4 out of 5) (5 Mark Each) (20)**

1. Define the term crude drugs .Explain the pharmacological classification of crude drugs with examples.
2. Write a note on natural pesticides with examples and give details about any one natural pesticides.
3. Write the pharmacognosy of any one fruit drugs which you have studied?
4. Write a short note on:"Non living cell inclusions.
5. Write a note on plant fibers used in surgical dressings.

**Q.3 Short Answers. (2 Mark Each) (20)**

1. Difference between volatile oil and fixed oil.
2. Define Iodine value and Saponification value.
3. Give Killer Killani and Borntrager's test.
4. Differentiate between organized and unorganized drugs.
5. Give properties of resin and glycosides.
6. Explain method of preparation of honey.
7. Draw powder microscopic characters of any one leaf drug.
8. Give biological source, family ,chemical constituents and identification tests of Isabgul.
9. Define Adulteration. Enumerate different methods for evaluation of adulteration for crude drugs.
10. Give biological source, family ,chemical constituents and identification tests of Castor oil.