

**Hemchandracharya North Gujarat University, Patan**  
**Bachelor of Vocation**  
**'Pharmaceutical Chemistry' Semester - II**  
**END TERM Examination, April 2018**  
**Subject: Fundamentals of Pharmacognosy (PC-215)**

**Time: 2 hrs**

**Date:**

**Maximum marks: 50**

**Q.1 Answer any 9 questions. Each question carries 1 mark**

**(9\*1=9Marks)**

1. Mango is \_\_\_\_\_ type of fruit.  
a) Pome                      b) Drupe                      c) Achene                      d) Berry
2. Which of the following secondary metabolites are generally basic in nature?  
a) Tannins                      b) Saponins                      c) Carbohydrates                      d) Alkaloids
3. Which of the following tissues have lignified cell wall?  
a) Parenchyma                      b) Collenchyma                      c) Sclerenchyma                      d) Phloem parenchyma
4. \_\_\_\_\_ is the unit of calyx.  
a) Petal                      b) Sepal                      c) Filament                      d) Anther
5. The plants, which bear pods, generally belong to \_\_\_\_\_ family.  
a) Leguminosae                      b) Apocynaceae                      c) Solanaceae                      d) Rubiaceae
6. Which of the following is not the chemical test for carbohydrates?  
(a) Molisch test  
(b) Fehling's test  
(c) Biuret test  
(d) Benedict's test
7. Fructose and glucose can be distinguished by –  
(a) Molisch test  
(b) Fehling's test  
(c) Seliwanoff's test  
(d) Benedict's test
8. Define taxonomy.
9. Match the carbohydrate with its source.  
(a) Starch                      (i) Gum exudate  
(b) Acacia                      (ii) Insect  
(c) Honey                      (iii) Red algae  
(d) Agar                      (iv) Potato
10. Define adulteration.

**Q. 2 Answer any 5 questions. Each question carries 4 marks**

**(5\*4=20 Marks)**

1. Classify secondary metabolites giving one example of each class.
2. Discuss any four modifications of root.
3. Differentiate monocot and dicot Stem.
4. Write a note on plant growth regulators.
5. Write the general floral formula and draw floral diagram of plants belonging to Solanaceae .
6. Write a note on honey.
7. Write a note on Polysaccharides

**Q.3 Answer any 3 question. Each question carries 07 marks**

**(3\*7=21 Marks)**

1. Discuss various modifications of stem for storage of food and for vegetative propagation.
2. Enlist various methods of classification of crude drugs. Discuss the pharmacological classification, in detail, giving suitable example of each class.
3. Enlist various factors affecting cultivation of crude drugs and discuss any two factors in detail.
4. Discuss the biological sources, chemistry and uses of Agar.