

Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation
'Pharmaceutical Chemistry' Semester - II
END TERM Examination, April 2019
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=9 Marks)

- Apple is _____ type of fruit.
a) Pome b) Drupe c) Achene d) Berry
- Which of the following secondary metabolites are generally acidic in nature?
a) Tannins b) Saponins c) Carbohydrates d) Alkaloids
- Which tissue is present in wood?
a) Phloem b) Xylem c) Pith d) Cortex
- _____ is the unit of corolla.
a) Petal b) Sepal c) Filament d) Anther
- The plants, which bear pods, generally belong to _____ family.
a) Leguminosae b) Apocynaceae c) Solanaceae d) Rubiaceae
- Which of the following is not an extrinsic factor affecting cultivation of crude drugs?
(a) Temperature
(b) Polyploidy
(c) Rainfall
(d) Fertility of soil
- Which is the general chemical test for carbohydrates?
(a) Molisch test
(b) Biuret test
(c) Baljet test
(d) Dragendorff's test
- Define adulteration.
- Match the carbohydrate with its source.
(a) Starch (i) Gum exudate
(b) Acacia (ii) Insect
(c) Honey (iii) Red algae
(d) Agar (iv) Potato
- Carrot is a modification of stem. State true or false.

(a) Molisch test

(c) Baljet test

(a) Starch

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

(5*4=20 Marks)

1. Discuss any four modifications of stem.
2. Differentiate monocot and dicot root.
3. Describe any four chemical tests for carbohydrates.
4. Classify secondary metabolites giving one example of each class.
5. Write the general floral formula and draw floral diagram of plants belonging to Malvaceae and Rubiaceae families.
6. Write a note on Isabgol.

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

(3*7=21 Marks)

1. Discuss various modifications of root for storage of food and for mechanical support.
2. Enlist various methods of classification of crude drugs. Discuss the chemical and morphological classification, in detail, giving suitable example of each class.
3. Enlist various intrinsic and extrinsic factors affecting cultivation of crude drugs and discuss any two intrinsic factors in detail.
4. Discuss the biological sources, chemistry, method of preparation and uses of Agar.