

Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation

'Pharmaceutical Chemistry' Semester - VI

END TERM Examination April, 2019

Subject: Subject Phytochemistry (PC 615)

Time: 2 hrs

Date: 30/04/2019

Maximum marks: 50

(9*1=9Marks)

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

1. Define Phytochemistry.

2. Define: Pseudotannin

3. Match of the following

Resin

Example

A) Acid resin

Asafoetida

B) Glycoresin

Colophony

C) oleo gum resin

Ipomoea

D) Ester-resin

Benzoin

4. Which of the following drug has anticancer activity?

a) Podophyllum b) Jalap c) Myrrh d) Asafoetida

5. Define : Volatile oil

6. Match the drug with its biological source.

(a) Turmeric

(i) *Styrax benzoin*

(b) Jalap

(ii) *Curcuma longa*

(c) Benzoin

(iii) *Ipomoea purga*

7. Write a Goldbeate's skin test for Tannin.

8. Foam test is used for identification of ----- (Saponin, Tannin)

9. Glycoside, on hydrolysis give _____ & _____.

10 Write Borntrager's test for Anthraquinone.

11. _____ oil is used as dental analgesic.

a) Eucalyptus

b) Fennel

c) Peppermint

d) Clove

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

(5*4=20 Marks)

1. Write a Difference between Siam Benzoin & Sumatra Benzoin

2. Give identification test for Alkaloid, Glycoside, Resin.

3. Write B.S, Preparation, c.c & use of Harde.

4. Write Down classification of tannin.

5. How to differentiate Pale Catechu & Black Catechu?

6. Write a note Clove.

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

(3*7=21 Marks)

1. Discuss different methods for Isolation of phytoconstituents.

2. Write Biological source, cultivation collection, chemical constituents, Identification test & use of Gambier.

3. Write a note on Asafetida.

4. Explain different type of resin.