

PARUL UNIVERSITY
FACULTY OF PHARMACY
D. Pharm. November - 2018 Examination

Year: 1

Subject Code: 08600103

Subject Name: Pharmacognosy

Date: 28/11/2018

Time: 10:00 am to 1:00 pm

Total Marks: 80

Instructions:

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

Q.1 Multiple Choice Questions (MCQs) (1 Mark Each)**(20)**

1. Who is known as father of medicine?
A) Aristotle
B) Hippocrates
C) Galen
D) Dioscorides
2. _____ test is used for identification of tannins.
A) Shinoda test
B) Foam test
C) Goat beater skin's test
D) Grignard's test
3. Drug is not under the class of organized drug:
A) Leaves
B) Flowers
C) Fruits
D) Gums
4. When totally different substance are added in place of original drug is called _____
A) Spoilage
B) Admixture
C) Sophistication
D) Substitution
5. Alkaloids are _____ type of substance.
A) Acid
B) Neutral
C) Chemical
D) Basic Nitrogenous
6. _____ can be detected by Keller-Killani test.
A) The aglycone of digitalis glycoside
B) Digitoxigenin
C) The digitoxose of digitalis glycoside
D) Strophathidine
7. Drug is used as antimalarial:
A) Ashwagandha
B) Ginseng
C) Tulsi
D) Cinchona
8. Oleo gum resins are mixtures of:
A) Volatile oil + Gum + Resins
B) Fats + Gum + Resin
C) Fixed oil + Gum + Resins
D) Gums + Resins
9. Which test is used for the purity of Isapgol:
A) Barfoed test
B) Molisch test
C) Millons test
D) Swelling factor
10. Following chemical tests are used for identification of alkaloids except:
A) Borntrager test
B) Hager test
C) Wagner test
D) Mayer test
11. Biological source of nux-vomica is:
A) Strychnous nux-vomica
B) Strychnous nux-blanda
C) Strychnous potatorum
D) Strychnous wallichiana
12. Which drug is used as diuretic:
A) Ginseng
B) Gokhru
C) Dioscorea
D) Senega
13. Pectin is used in the pharmaceutical industries as:
A) Adsorbent
B) Emulsifying agent
C) Demulcent
D) Suspending agent

14. Which drug has carminative property?
 A) Fennel
 B) Liquorice
 C) Senna
 D) Amla
15. The important chemical constituent of Rauwolfia is:
 A) Resercinnamate
 B) Ajmalicine
 C) Reserpine
 D) Desperidine
16. Flower bud of drug shows medicinal importance:
 A) Saffron
 B) Clove
 C) Caraway
 D) Fig
17. _____ gives black precipitate when treated with lead acetate in caustic soda.
 A) Flax
 B) Rayon
 C) Wool
 D) All of above
18. Shatavari is under the chemical class of glycoside:
 A) Saponin
 B) Sterol
 C) Cyanogenetic
 D) Isothiocyanate
19. Dirt, vegetable debris and foreign organic matter of the plants are removed by _____.
 A) Drying
 B) Harvesting
 C) Garbling
 D) Packing
20. Fruit which are derived from plants Umbelliferae are all of the type:
 A) Epicarp
 B) Cremocarp
 C) Mesocarp
 D) Pericarp

Q.2 Long Answers (any 8 out of 10) (05 Mark Each)

(40)

1. Define Pharmacognosy. Discuss scope and development of it.
2. Define and classify glycosides by giving suitable examples.
3. What are laxatives? Enlist drugs used as laxative and explain any one.
4. Write a note on adulterants of Clove bud.
5. Define Enzymes. Write the source, properties, method of preparation and uses of Papain.
6. Define and classify pharmaceutical aids. Write a short note on Acacia.
7. Write a short note on the perfumes and flavouring agents used in pharmaceutical industries.
8. Define Expectorants. Discuss any one drug used as an expectorant.
9. Draw and label microscopy of Senna leaf.
10. Write a note on Anti malarial drug of your syllabus.

Q.3 Short Answers (2 Mark Each){ Answer any 10}

(20)

1. Define Tannin. Give identification tests for tannins.
2. Differentiate Cinnamon bark and Cassia bark.
3. Give synonym, botanical source, chemical constituents and uses of Vinca.
4. Define Adulteration. Enumerate different methods for evaluation of adulteration.
5. Give synonym, botanical source, chemical constituents and uses of Coriander.
6. Define Alkaloids. Give identification tests for Alkaloids.
7. Give medicinal uses of Garlic and Nuxvomica.
8. Write synonym, botanical source, chemical constituents and uses of Isabghul.
9. Differentiate Fixed oil and Volatile oil.
10. Give synonym, botanical source, chemical constituents and uses of Amla.
11. Define Vitamins. Give examples of vitamins.
12. Give synonym, botanical source, chemical constituents and uses of Castor oil.