

PHARMACOGNOSY

Time: 3: Hours]

[Maximum Marks : 80

NOTES:

- i) Attempt all questions.
- ii) Students are advised to specially check the Numerical Data of question paper in both versions. If there is any difference in Hindi Translation of any question the students should answer the question according to the English version
- iii) Use of Pager and Mobile Phone by the students is not allowed.

PART-A

Answer any six questions. Each question carries equal marks [6 x 5 = 30]

- Q1) Define pharmacognosy. Discuss the scope of pharmacognosy. [1+4=5]
- Q2) Describe in short the various systems of classification of crude drugs.
- Q3) Name the various methods of evaluation of crude drugs. Mention the organoleptic evaluation. [2+3=5]
- Q4) What are alkaloids? Write about the distribution and tests of identification of alkaloids. [1+4=5]
- Q5) Write the biological source, Chemical constituents and therapeutic uses of any two of the following. [2 1/2+2 1/2=5]
 - a) Rauwolfia
 - b) Digitalis
 - c) Clove
- Q6) Discuss in brief the role of medicinal plants in national economy.
- Q7) Explain the basic principles involved in Ayurvedic and Homeopathic system of medicine.

PART-B

Answer any ten questions. Each question carries equal marks. [10x3=30]

- Q1) Discuss the present status of pharmacognosy. [3]
- Q2) What is adulteration? Describe in brief the adulteration of crude drugs with examples. [1+2=3]
- Q3) What do you know about herbal cosmetics? [3]
- Q4) Write the tests of identification of glycosides. [3]
- Q5) Write the biological source and therapeutic uses of any two of the following. [11/2+11/2=3]
- a) Gokhru
 - b) Tulsi
 - c) Opium
- Q6) Define any three of the following: [3x1=3]
- a) Cardiotonic
 - b) Laxative
 - c) Diuretic
 - d) Astringent
 - e) Carminative
- Q7) Write the biological source and chemical constituents of an oxytocic drug. [3]
- Q8) Write in short note on any two of the following. [11/2+11/2=3]
- a) Senna
 - b) Vinca
 - c) Turmeric
- Q9) Write the therapeutic and cosmetic uses of any two of the following. [11/2+11/2=3]
- a) Sandalwood Oil
 - b) Aloevera gel
 - c) Olive Oil

Q10) Explain any two of the following:

[11/2+11/2=3]

- a) Nutraceuticals
- b) Dietary fibres
- c) Omega-3 fatty acids

Q11) Write in short note on any two of the following.

[11/2+11/2=3]

- a) Organised and Unorganised drugs
- b) Chromatography
- c) Tannins

PART-C

Multiple Choice questions Fill in-the blanks. Answer questions Each question carries equal marks.

[20 x 1=20]

Multiple Choice Questions.

Q1) The term 'Pharmacognosy' was coined by:

- a) R. N. Chopra
- b) Pedanius Dioscorides
- c) C.A Seydler
- d) Alexander Flemming

Q2) Which of the following is an unorganised drug?

- a) Vinca
- b) Arjuna
- c) Nutmeg
- d) Asafoetida

Q3) Which of the following crude drug contains alkaloid?

- a) Ginger Senna
- b) Belladonna

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- c) Senna
- d) Gelatin

Q4) Which of the following is diuretic?

- a) Punarnava
- b) Ipecacuanha
- c) Ephedra
- d) Vasaka

Q5) Who coined the term 'Nutraceutical'?

- a) Stephen Hawking
- b) Stephen Defelice
- c) Stephen Fleming
- d) Stephen King

Q6) The main chemical constituent of Garlic is.

- a) Colchicine
- b) Vasicine
- c) Myristicin
- d) Allicin

Q7) Which of the following is not an Ayurvedic formulation?

- b) Asava
- b) Cream
- d) Bhasma
- e) Gutika

Q8) Which of the following is an organised drug.

- b) Acacia
- b) Benzoin

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c) Ginger

d) Opium

Q9) Who is the father of Homeopathy

a) Dhanvantari

b) Hakim Ajmal Khan

c) Ghiya Suddin Balban

d) Samuel Hahnemann

Q10) Sterile threads used to tie up a blood vessel are known as:

a) Ligatures

b) Sutures

c) Surgical Dressings

d) None of the these

Fill-in the blank

Q11) Substitution using exhausted drugs is a type of _____ adulteration.

Q12) _____ is a class of drugs which are used to treat high blood pressure.

Q13) _____ are a combination of living beneficial bacteria and yeasts that naturally live in our body.

Q14) Absorbent cotton is the epidermal hairs of the seeds of species of _____.

Q15) Cinchona is an _____ drug.

Q16) Goldbeater's skin test is done for the identification of _____.

Q17) Tea leaves are obtained from the plant _____.

Q18) Withania somnifera belongs to the family _____.

Q19) In Hindi Cinnamon is known as _____.

Q20) Shark liver oil is the source of Vitamin _____.