

First Year Pharmacy  
PHARMACOGNOSY  
(ER20-13T)

*Time : Three Hours*

*Maximum Marks : 80*

- Note :**
- This question paper contain three parts.
  - Part-A :** Solve all twenty question. Each question carry one marks.
  - Part-B :** Short answer type questions contain eleven questions, attempt any ten question. Each question carry three marks.
  - Part-C :** Long answer type questions contain seven questions, attempt any six questions. Each question carry five marks.

**Part - A**

20 × 1 = 20

- Lignified trichomes is the characteristic of.  
a) Senna  
b) Digital  
c) Vaska  
d)  Nux-vomica
- Which one is not the use of ergot?  
a) Migraine  
b) Laxative ✓  
c) Oxytocine  
d) Post partum hemorrhage
- Drug is used as emetic  
a) Agar  
b) Isapghul  
c) Ipeccac  
d) Banana
- Which one is the family of ipeccac?  
a) Solanaceae  
b) Rubiaceae ✓  
c) Theaceae  
d) Acanthaceae

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5. Which one is not the biological source of cinchona?  
a) Cinchona calisaya      b) Cinchona officinalis  
c) Cinchona indica      d) Cinchona succirubra
6. Diacetyl derivative of morphine is  
a) Codeine      b) Heroin  
c) Papaverine      d) Thebaine
7. Chemical test used for identification of carbohydrate  
a) Ninhydrin test      b) Molisch's test  
c) Baljet test      d) Borntrager test
8. The main location of the pitta in the body are the following expect.  
a) Small intestine      b) Spleen  
c) Pancreas      d) Saliva
9. D.H.A. stands for -  
a) Docosahexaenoic acid      b) Docosahydranonic acid  
c) Docoşaheptanoic acid      d) None of these
10. Alkaloid is not present in cinchona bark.  
a) Quinidine      b) Quinine  
c) Quinovin      d) Cinchonine

**One word question**

11. Name of the herbal cosmetic which is used in the treatment of disturbance of menstrual dysfunction?
12. Write the name of scientist who coined the first term nutraceutical?
13. Name of the drug which is used as diuretic?

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- ✓ 14. Shark liver oil is the rich source of which vitamin?
15. Biological source of papaya is!
16. Devil dung is a common name of which drug?
17. Codeine alkaloid drug is used as.
18. The name of ring which is present in the morphine?
19. Reserpine is isolated from which part of rauwolfia plant?
20. Jesuits bark is a common name of which drug?

**Part - B**

10 × 3 = 30

1. Write the name of the factors which affect the growth of the plant.
2. Define the following terms:
  - a) Vein islet number
  - b) Refractive index
  - c) Stomatal index
- ✓ 3. What type of the nucleus are present in the cardiac glycosides?
- ✓ 4. What are the uses of amla?
- ✓ 5. What are the uses of gelatin?
6. Write only the chemical constituents of the following drugs.
  - a) Senna
  - ✓ b) Ginger
  - c) Ergot

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7. Write the biological source and family of the following
  - a) Asafoetida
  - b) Balsam of tolu
  - c) Myrrh
8. Differentiate between bada gokhru and chota gokhru.
9. Write the uses of absorbent cotton.
10. Define avaleha and give some example of this marketed preparation.
11. Write down the chemical constituent of almond oil.

**Part - C**

6 × 5 = 30

1. Define the term crude drug and write down the classification of crude drug with example.
2. Define evaluation and write the detail note on different method of evaluation of crude drugs.
3. Define the tannin and give the classification and identification test for tannin.
4. Write a short note on pectin and isabgol.
5. Describe the macroscopic and microscopic character of fennel and clove.
6. What are fibres? Write the Classification of fibers.
7. Write in detail about the phytochemical test used for glycosides and carbohydrates.