DIPLOMA IN PHARMACY (FIRST YEAR) PHARMACOGNOSY

(103)

| All Control of | Service . | 400 | | |
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Maximum Marks: 80

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- Note: (i) Attempt total six questions. Question No. 1 is compulsory. From the remaining questions attempt any five.
 - (ii) Illustrate your answers with war sketches wherever neessary.
- 1. Attempt any five of the following
 - Define Alkaloids. Write the role of (a) alkaloids in plantso
 - Match the following:
 - (i) Antihypertensive (A) Rhubarb
 - (ii) Laxatives
- (B) Punernava
- (iii) Diuretics
- (C) Sylvestra
- (iv) Antidiabetics (D) Rauwolfia
- Define the following with example : (c)
 - (i) Oxytocies
 - (ii) Astringents
- Write the main chemical const entered. uses of the following:
 - (i) Vinca
 - (ii) Curcuna
- Write biological source and family of the following:
 - (i) Cinchona
 - (ii) Colchicum

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| (Ĭ) | Write the name of any two drugs belonging |
|-----|---|
| | to family Liliaceae with their uses. |

- (g) Explain the following:
 - (i) Palisade ratio
 - (ii) Stomata index
- 2. Attempt any four of the following:
 - (a) Enlist various systems of classification of crude drugs. Explain any two of them.
 - name of various type of evaluation with bril note of microscopic evaluation.
 - Hex various type of alkaloids are extract from crude drug? Give flow chart of steps involved.
 - (d) What is glycosides? Write chemical test for anthraquinon glycoside.
 - (e) Explain the following chemical tests:
 - (i) Match-stick test :
 - (i Killer-Killiani test

Attempt any four of the following:

- an Tinnavelly senna.
- (b) Write biological source, cultivation, collection and preparation of Digitalis.
- (c) Write biological source, main chemical constituents and adulterants for Belladonna.
- (d) What are antitussives? Describe any two antitussive drugs briefly.
- (e) What are Vitamins? Write a brief note on shark liver oil.

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| 4. | Attempt | any | jour | of | the | following | : | 1. |
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- (a) What are antiseptics and disinfectants?
 Write chemical test for Sumatra Benzoin
 and Siam Benzoin.
- (b) Differentiate between 'East Indian Oil' and 'West Indian oil'.
 - (c) Give different chemical tests for resins.
 - (d) Name the drug having the following chemical constituents and explain any one of them:
 - (i) Emetine
 - (ii) Vasicine
 - (iii) Strychnine
 - (iv) Rhein
- (e) What are various pharmaceutical aids?

 Name such four aids with their brief description.
- 5. Attempt any two of the following:

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- (a) Define and classify terpenoids. How are they extracted? Mention identification test for terpenoids.
- (b) Draw a well labelled diagram of T. S. of Ipecac root or Nux vomica seed and describe the same.
- (c) Describe the complete pharmacognosy of Ergot.
- Describe official source, family, chemical constituents and uses of any four of the following:
 - (a) Black catechu

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- ib) Gokhru
- (c) Papaya
- (d) Opium
- (e) Aswagandha
- (t) Asafoetida
- 7. Attempt any four of the following: 14
 - (a) Write a note on stabilization and preservation of crude drugs.
 - (b) Classify surgical fibres. Differentiate between absorbent and non-absorbent cotton.
 - official source, chemical constituents and uses of Ispaghula and Guargum.
 - (d) Define an classify volatile oils with suitable examples.
 - (e) Define sutures. What are its ideal requirements?
 - (f) Write a brief note on Guggul.
- 8. Write short notes on any four of the following: 14
 - (a) Antidiabetics
 - (b) Antirheumatics
 - (c) Carminatives
 - (d) Enzymes
 - (e) Perfumes and flavouring agents

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