



RF-1505-06
First Year D. Pharm. Examination
April / May – 2010
Pharmacognosy

Time : 3 Hours]

[Total Marks : 70

RF-1505

Instructions :

(1)

<p>नीचे दशांशों में निशानों वाली विगतो उत्तरवही पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : F. Y. D. Pharm.</p> <p>Name of the Subject : Pharmacognosy</p> <p>Subject Code No. : 1 5 0 5 Section No. (1, 2,.....) : 1</p>	<p>Seat No. : □ □ □ □ □ □ □ □</p> <p style="text-align: center;">Student's Signature</p>
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- (2) All questions are **compulsory**.
- (3) Draw neat, clean and well label diagram wherever necessary.
- (4) Figures to the right indicate marks.
- (5) Write and tie both sections **separately**.

1 Answer any **four** : **10**

- (1) Enumerate different classes of crude drug and explain chemical classification.
- (2) Define Adulteration and explain types of Adulterants.
- (3) Discuss diastase as an enzyme source.
- (4) Differentiate volatile oil and fixed oil.
- (5) Define stomata and explain types of stomata.
- (6) Write collection and preparation of opium.

- 2** Attempt any **two** : **10**
- (1) Define, classify alkaloids with suitable example and write identification tests of alkaloids.
 - (2) Define evaluation of crude drug. Enumerate methods of crude drug evaluation. Discuss organoleptic and biological evaluation.
 - (3) Define Pharmacognosy; discuss in brief history of Pharmacognosy.
- 3** Define following terms (any **ten**):- **10**
- (1) Glycoside
 - (2) Vein-islet number
 - (3) Stomatal index
 - (4) Laxative
 - (5) Antiseptic
 - (6) Leaf
 - (7) Carminative
 - (8) Extractive value
 - (9) Bark
 - (10) Adulterant
 - (11) Terpenoid
 - (12) Unorganized drug.
- 4** Write Biological source, chemical constituent, uses and chemical test of following drugs (any **four**): **10**
- (a) Rhubarb
 - (b) Catechu
 - (c) Asafoetida
 - (d) Gokhru
 - (e) Nux-vomica
 - (f) Benzoin

RF-1506

Instructions :

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text" value="F. Y. D. Pharm."/>	<input type="text" value="Student's Signature"/>
Name of the Subject :	
<input type="text" value="Pharmacognosy"/>	
Subject Code No. : <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="0"/> <input type="text" value="6"/>	Section No. (1, 2,...): <input type="text" value="2"/>

- (2) All questions are **compulsory**.
- (3) Draw neat, clean and well label diagram wherever necessary.
- (4) Figures to the right indicate marks.
- (5) Write and tie both sections **separately**.

5 Answer the following (any **four**):- 10

- (1) Explain lycopodium spore method
- (2) Differentiate Hydrolysable and condensed tannins.
- (3) Define resin. Explain different types of Resins.
- (4) Discuss shark liver oil as a vitamin source.
- (5) Write importance of starch in pharmaceutical industry.
- (6) Enumerate parameter use for the systematic pharmacognostic study of crude drugs.

6 Define following category of drug with one example 10
and write its Biological source, family, chemical constituents and uses.

- (a) Cardiotonic
- (b) Antihypertensive
- (c) Antidysenteric
- (d) Antitumor
- (e) Antimalarial
- (f) Oxytocics

- 7 Attempt any **two**:- **10**
- (1) Discuss sill's classification of glycoside, explain properties and extraction of glycosides.
 - (2) Define Tannins, give detail identification tests of Tannins.
 - (3) Draw a well labeled diagram of T.S. of Cinnamon or Senna.
- 8 Write short notes on following (any **two**):- **10**
- (1) Perfumes and flavouring agents
 - (2) Sutures and surgical dressing source.
 - (3) Collection preparation of Ergot.
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