



**SB-1165**

**Third Year B. Pharm. Examination**

**March / April - 2011**

**Pharmacognosy : Paper - II**

Time : 3 Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="T. Y. B. PHARM."/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="PHARMACOGNOSY - 2"/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="6"/> <input type="text" value="5"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="NIL"/>	
Student's Signature	

- (2) All questions are compulsory.
- (3) Figures to the right side indicate marks.
- (4) Tie up both sections separately.
- (5) Draw labelled diagram and chemical structure wherever necessary.

1 Attempt any five from the following : 10

- (1) Differentiate between cardenolide and bufadienolides.
- (2) Give biological source, family, chemical constituents and uses of methi.
- (3) Write down general chemical tests for alkaloids.
- (4) Comment : Cuscara bark should be stored for the period of one year.
- (5) How will you differentiate between different species of ephedra ?
- (6) Write down chemical structure of Brucine and strychnine.
- (7) Write down chemical test and uses of cinchona bark.

2 Attempt any four from the following : 16

- (1) Write down role of medicinal plants in national economy.
- (2) Draw well labelled diagram of T.S. of licorice.
- (3) Give pharmacognosy of any one drug with anticancer potential.
- (4) Write a note on trypsin.
- (5) Give biological source, family, chemical constituents and uses of paldash, majith, guggul, gaduchi.
- (6) Define photosensitizing agents and classify them.

- 3** Attempt any three from the following : **9**
- (1) Write a note on life cycle of ergot.
  - (2) Give a brief account on lobelia.
  - (3) Write a note on different species of cinchona.
  - (4) Write down functions of alkaloids.
  - (5) Write a note on adulterants of senna and digitalis.
- 4** Attempt any eleven from the following : **11**
- (1) Describe killer-killiani test.
  - (2) Write biological source of drug with antiasthmatic action.
  - (3) Write down chemical constituents of Arjuna.
  - (4) Give uses of Apamarg.
  - (5) Write down biological source of areca nut.
  - (6) Write down biological source of any two plant drugs with gallic acid as their chemical constituents.
  - (7) Give chemical structure of psoralen.
  - (8) Define pseudo alkaloid and give examples.
  - (9) Give uses of Rauwolfia.
  - (10) Give biological source of two drugs with anticholinergic action.
  - (11) Give biological source of chirata.
  - (12) Write down use of Lahsun
  - (13) Name various commercial varieties of opium.
- 5** Attempt any three from following : **12**
- (1) Discuss pharmacognosy of physostigma and ipecac.
  - (2) Write a brief note on natural allergens.
  - (3) Discuss pharmacognosy of methi.
  - (4) Draw the labelled diagram elucidating the T.S. of datura leaf.
  - (5) Write a short note on poisonous plants of India.
- 6** Attempt any two from following : **12**
- (1) Write a note on novel natural drugs of marine origin.
  - (2) Discuss pharmacognosy of Gokhru.
  - (3) Write a note on drugs containing alkaloidal amines..
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