



SB-1165
Third Year B. Pharm. Examination
March / April - 2011
Pharmacognosy : Paper - II

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

<p>नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लिखवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : T. Y. B. PHARM.</p> <p>Name of the Subject : PHARMACOGNOSY - 2</p> <p>Subject Code No. : 1 1 6 5 Section No. (1, 2,.....) : NIL</p>	<p>Seat No. : □ □ □ □ □ □ □ □</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div>
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- (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.

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[Contd...

- 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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