

Total No. of Questions : 6]

SEAT No. :

P3154

[Total No. of Pages : 2

[5245]-306

S.Y. B. Pharmacy (Semester - III)

PHARMACOGNOSY & PHYTOCHEMISTRY - I

(2013 Pattern)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) All questions are compulsory.*
- 2) Figures to the right indicate full marks.*
- 3) Answers to the two sections should be written in separate answer books.*
- 4) Draw neat and labelled diagram wherever necessary.*

SECTION - I

Q1) What is the role of primary & secondary metabolites in healthcare? Write sources, extraction, properties and uses of starch, & chitosan. **[10]**

OR

Explain the significance of Tannins as phytopharmaceuticals. Add a note on Amla.

Q2) Answer any five questions: **[15]**

- a) Give the Keller-Killani test.
- b) Write a note on Inulin.
- c) Write a Short note on Shark Liver oil.
- d) Give the BS and uses of Pale Catechu & Aloe.
- e) Write a note on Sterculia.
- f) Distinguish between Jute & Wool.
- g) Give the chemical constituents of Rhubarb and Visnaga.

Q3) Write short notes on any two: **[10]**

- a) Starch & Gelatin.
- b) Rice Bran oil & Hydnocarpus oil.
- c) Extraction of Bromelain.
- d) ChebulicMyrobalan.

P.T.O.

SECTION - II

Q4) Define glycosides, classify with examples. Draw a neat labelled diagram of TS of Digitalis leaf. **[10]**

OR

What is Pharmacognostic scheme? Give the Pharmacognostic scheme of Licourice.

Q5) Answer any five questions: **[15]**

- a) Write a short note on Dioscorea.
- b) Write general chemical tests for Silk.
- c) Write short note on Gelatin.
- d) What are Natural fibres?
- e) Explain the microscopy of Kalmegh.
- f) Write a note on Cocoa butter.
- g) Give the applications of Cyclodextrins.

Q6) Write short notes on any two: **[10]**

- a) Comment on occurrence and nomenclature of glycosides.
- b) Write short note on carotenoids.
- c) Saponin glycosides.
- d) PUFA.

