

Con. 4792-09.

Sem VIII

Pharmacognosy - II  
(2 Hours)

DY-5120  
13/11/09  
[ Total Marks : 35  
Oct. 09

**N.B. :** (1) Q. No. 1 is compulsory.

(2) Answer any four questions out of remaining six questions.

(3) Illustrate answers with **sketches** and **structures** wherever **required**.

1. (a) Answer the following any **two** of the following :— 4
  - (i) Chemical distinction between Gums and Mucilages
  - (ii) Histochemical tests for Nux Vomica and Kurchi
  - (iii) Extraction of Codliver Oil.
- (b) List various proteolytic enzymes and describe in detail preparation and utility of any one proteolytic enzyme. 3
2. (a) List alkaloidal drugs used for treatment of cancer and give detailed account of any one drug. 4
- (b) List heteroglycans and discuss chemistry of any one heteroglycan. 3
3. (a) Describe preparation and uses of fats melting at body temperature. 4
- (b) Write short note on Snake venoms and Bees venom. 3
4. (a) Describe macroscopy, microscopy and biosynthesis of chemical constituents of Ephedra. 4
- (b) Write in brief :— 3
  - (i) Gaur gum
  - (ii) Flax.
5. (a) Answer the following :— 4
  - (i) Chemical tests for Quinoline and Tropane Alkaloids.
  - (ii) Describe Collection and Preparation of Opium.
- (b) Describe preparation and uses of Absorbent Cotton and Jute. 3
6. (a) Write Biological Source, Chemical Constituents and uses of the following :— 4
  - (i) Amla
  - (ii) Gelatin.
- (b) Write short note on Evaluation of Fixed Oils. 3
7. (a) Write pharmacognosy of Ergot. 4
- (b) Give detailed account of Tragacanth. 3