

B.Pharm (Second Semester) (C.B.S.) Examination
PHARMACOGNOSY AND PHYTOCHEMISTRY—II
Paper—5 (2T5)

Time : Three Hours]

[Full Marks : 80

- N.B. :**— (1) Question No. **1** is compulsory.
(2) Solve any **FOUR** questions from the remaining.
(3) Draw neat labeled diagram wherever necessary.

1. Attempt any **FIVE** :

- (a) Differentiate between Animal fibres and Vegetable fibres.
- (b) Write about Shilajit.
- (c) Give the biological source and applications of bees wax.
- (d) Write the comparison between fats, oils and waxes.
- (e) Give the biological source, properties and pharmaceutical applications of shellac.
- (f) Write the applications of hyaluronidase.

(g) Write method of preparation of Honey. 4×5=20

- 2. (a) Write the pharmacognosy of carrageenan. 8
- (b) Write note on sodium alginate. 7
- 3. (a) Write the biological source, method of preparation, chemistry, chemical constituents and uses of Shark Liver oil. 8
- (b) Define enzymes. Write about the pharmacognosy of streptokinase. 7
- 4. (a) What are polysaccharides ? Classify them with suitable examples. Write about the biological source, chemistry and applications of agar. 8
- (b) Write the pharmacognostic note on Gelatin. 7

5. (a) Write about mineral drugs. Classify them. Give pharmacognostic account of Kieselghur. 8
(b) Define Fibres. Write about biological source, chemical tests and uses of jute and wool. 7
6. (a) Write about the cellulose and its derivatives of pharmaceutical importance. 8
(b) Write about biological source, chemistry and uses of cocoa butter. 7
7. Write about biological source, chemistry, chemical constituents and uses of (any **THREE**) :
- (a) Castor oil
 - (b) Isapghula
 - (c) Talc
 - (d) Starch
 - (e) Wool fat.
- 5×3=15