

KNT/KW/16/6550

**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 Kieselerhur. 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) Isapgula  
(c) Talc  
(d) Starch  
(e) Wool fat. 5×3=15