

NTK/KW/15/6979

3. (a) Write biological source, chemical tests and uses of cotton and jute. 8
- (b) Give an account on silk and tragacanth. 7
4. (a) Write biological source, method of preparation and uses of gelatin and musk. 8
- (b) Write a note on shellac and cantharides. 7
5. (a) Explain the method of preparation, chemical constituents and uses of shark liver oil and cocoa butter. 8
- (b) Write a note on Bees wax and carnauba wax. 7
6. (a) What are enzymes ? Write a note on pepsin and hyaluronidase. 8
- (b) Give an account on talc and Kaolin. 7
7. Write notes on any **THREE** of the following :—
  - (a) Pectin
  - (b) Isapgula
  - (c) Woolfat
  - (d) Sesame Oil
  - (e) Bentonite. 3×5=15

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

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. Solve any **FIVE** of the following :—
  - (a) What are lipids ? Differentiate between fats and waxes.
  - (b) Write about method of preparation of papain.
  - (c) Give biological source, chemical constituents and uses of Bael.
  - (d) Write about shilajit.
  - (e) Give chemical tests for castor oil.
  - (f) Write a chemistry of carbohydrates.
  - (g) Write a note on wool. 4×5=20
2. (a) Describe collection, preparation, chemical tests and uses of Honey and cellulose. 8
- (b) Write a note on Agar and Acacia. 7