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Diploma in Pharmacy 1st Year

Pharmacognosy

Experiment

To perform the morphological study of Gokhru.

Aim:

To perform the morphological study of Gokhru.

Reference :

Dr. Gupta G.D , Dr. Sharma Shailesh , Kaur Navjit , “Practical Manual of Pharmacognosy” Published by Nirali Prakashan , Pg.No 47 - 50

Synonyms

Caltrops fruit.

Biological Source :

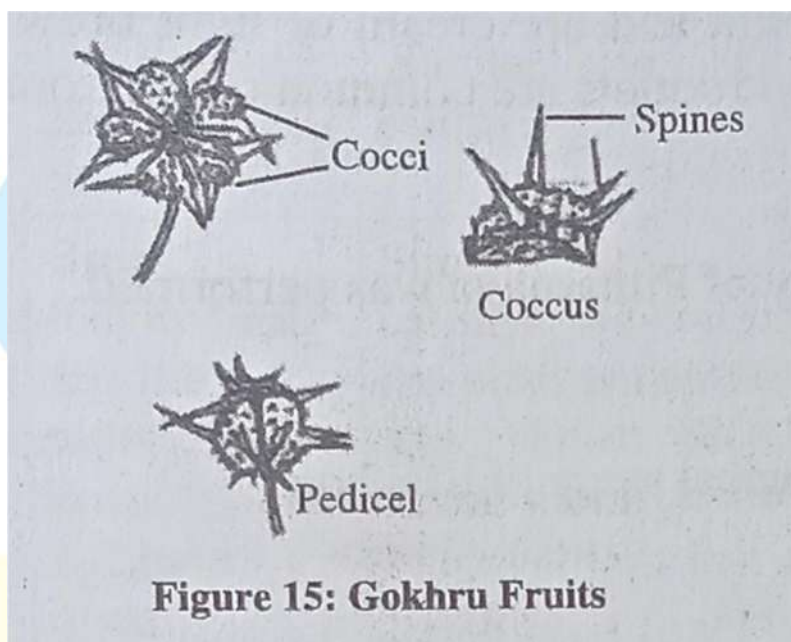
In Ayurveda two types of Gokhru are used, that is, Bada and Chota Gokhru. The smaller or Chhota Gokhru is the dried ripe seeds of *Tribulus terrestris* Linn.. belonging to family *Zygophyllaceae*.

Morphological Characters

This form of evaluation involves a series of tests using the sense organs. It refers to evaluation of.

- 1) **Colour:** The fruits are greenish to grey in colour.
- 2) **Shape and Size:** Globose, 1.2 cm in diameter and 8.5mm thick, with five woody, densely hairy, spiky cocci. Each coccus has a large number of sharp spines. Two shorter and smaller spines are pointing downwards. Each coccus contains many seeds.
- 3) **Taste:** It is slightly bitter and astringent and taste.

- 4) **Odour:** Its odour is slightly aromatic. **Size:** Cinnamon bark comes in single or double, closely packed, compound quilled pieces that can be up to 1 metre long, 1 to 2 cm in diameter, and 0.5 mm thick.
- 5) **Surface:** It has ribbed, pubescent, woody, and warty surface with two spreading spines in each cocci.



Result :

The morphological study of Gokhru was performed.