

DEPARTMENT OF BOTANY BY: DR. RANJANA
D.B. COLLEGE JAYNAGAR ASST. PROFESSOR
L.N.M.U. DARBHANGA (BIVEST)
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B.Sc PART I SUB/GEN
CORE CONCEPT OF ECONOMIC BOTANY
1. CINCHONA:

Botanical Name -

Cinchona officinalis

Family - Rubiaceae

Bark of root and stem
contains alkaloids like quinine
cinchonine, quinidin, etc. Quinine
is the only 'adequate' cure for
malaria.

2. Cotton:

Botanical Name:

Gossypium herbaceum

Family - Malvaceae

The fibres are sclerenchymatous
cells, long and thick having pointed
ends. The thickening of the wall
is due to lignin or cellulose.

According to their origin
the fibres used in textile
industries are classified.

3. Barley:

Botanical Name -

Hordeum vulgare

Family - Gramineae

It is a rabi crop and thought to be the oldest Cereal used for human food. Maltose is obtained from barley which is used in the manufacture of beer, whisky, alcohol etc.

4. Tea

Botanical Name - *Thea sinensis* or *Camellia sinensis*

Family - Theaceae

Beverage are mild, agreeable and stimulating liquors meant for drinking. It is prepared from dried leaves. In India it is chiefly cultivated in Darjeeling, Brahmaputra valley and Assam.

5. Sunflower oil

Botanical Name -

Helianthus annuus

Family - Compositae

The oil is obtained from seeds and is a very good cooking medium.