

Course- B.Sc. Part-II Botany Subsidiary

PAPER-II

Topic- Economic Botany

Prepared by – Prof.(Dr.)Shyam Nandan Prasad

Five Medicinal plants

<u>Common name (Name of Plant)</u>	<u>Botanical Name</u>	<u>Family</u>	<u>Part/parts Used</u>	<u>Medicinal Uses</u>
Aconite	<i>Aconitum ferox</i>	Ranunculaceae	Root	Leprosy, cholera,catarrh
Arjuna	<i>Terminalia arjuna</i>	Combretaceae	Tree dryBark	Correct Blood pressure heart beat, congestive heart failure, OPD for easy breath
Ashwagandha	<i>Withania somnifera</i>	Solanaceae	roots & stem bases	Neurotonic, Rheumatism, gout, hypertension, cancer
Belladonna	<i>Atropa accuminata</i>	Solanaceae	leaves & flowers	Anti- spasmodic,anticholiner gic, antidote for chloral hydrate & opium poisoning
Turmeric	<i>Curcuma longa</i>	Zingiberaceae	Rhizome	Anti-inflammatory/ Antioxidant

Five OIL Yielding plants

<u>Common name (Name of Plant)</u>	<u>Botanical Name</u>	<u>Family</u>	<u>Source /Part Used</u>
Mustard	<i>Brassica campestris</i>	Cruciferae	Oil yielding-seeds
Coconut	<i>Cocos nucifera</i>	Palmae	Oil yielding-from endosperm
Ground nut	<i>Arachis hypogea</i>	Fabaceae	Oil yielding –from seed
Linseed	<i>Linum usitatissimum</i>	Linaceae	Oil yielding-seeds
Corn oil	<i>Zea mays</i>	Graminae	Oil yielding-seeds

Five Pulse yielding Plants

<u>Common name (Name of Plant)</u>	<u>Botanical Name</u>	<u>Family</u>
Kala chana	<i>Cicer arietinum</i>	Papilionaceae
Rahar(Pigeon pea)	<i>Cajanus cajan</i>	Papilionaceae
Lentil(Masoor)	<i>Lens esculentum</i>	Papilionaceae
Matar	<i>Pisum sativum</i>)	Papilionaceae
Moong	<i>Phaseolus mungo</i>	Papilionaceae

Five Edible fruit yielding Plants

<u>Common name (Name of Plant)</u>	<u>Botanical Name</u>	<u>Family</u>	<u>Part/Parts Used</u>
Mango	<i>Mangifera indica</i>	Anacardiaceae	Drupe(Mesocarp)
Apple	<i>Malus domestica</i>	Rosaceae	Pome(Thalamus)
Banana	<i>Musa sapientum</i>	Musaceae	Berry(Mesocarp and Endocarp)
Guava	<i>Psidium guajava</i>	Myrtaceae	Berry(Entire fruit)
Grapes	<i>Vitis vinifera</i>	Vitaceae	Berry(Entire fruit)

Ten Spice yielding plants

<u>Common name (Name of Plant)</u>	<u>Botanical Name</u>	<u>Family</u>
Turmeric	<i>Curcuma longa</i>	Zingiberaceae
Black cumin	<i>Nigella sativa</i>	Ranunculaceae
Black mustard	<i>Brassica nigra</i>	Brassicaceae
Cinnamon	<i>Cinnamomum verum</i>	Lauraceae
Clove	<i>Syzygium aromaticum</i>	Myrtaceae
Coriander	<i>Coriandrum sativum</i>	Apiaceae
Cumin	<i>Cuminum cyminum</i>	Apiaceae
Fennel	<i>Foeniculum vulgare</i>	Apiaceae
Fenugreek	<i>Trigonella foenum-graecum</i>	Fabaceae
Cardamom	<i>Elettaria cardamomum</i>	Zingiberaceae

Six Timber yielding plants

<u>Common name (Name of Plant)</u>	<u>Botanical Name</u>	<u>Family</u>	<u>Uses</u>
Arjun	<i>Terminalia arjuna</i> <i>Terminalia elliptica</i>	Combretaceae	It is heavy and strong It has such uses as beams, rafters, and posts
Gambhar	<i>Gmelina arborea</i>	Lamiaceae	It is Uses for such products as furniture, carriage, well curbs, yokes, and door panels.
Sal	<i>Shorea robusta</i>	Dipterocarpaceae	It is durable under ground and water. It is Uses for railway sleepers, shipbuilding, and bridges
Sissoo	<i>Dalbergia sissoo</i>	Fabaceae	It is Uses for high quality furnitur plywoods, bridge piles, sport goods, and railway sleepers. It is a very good material for decorative works and carvings.
Teak	<i>Tectona grandis</i>	Verbenaceae	It takes up a good polish and is not attacked by white ants and dry rot. It does not corrode iron fastenings and it shrinks little. It is among the most valuable timber trees of the world and its use is limited to superior work only.
Tamarind	<i>Tamarindus indica</i>	Fabaceae	It is Uses for agricultural instruments, well curbs, sugar mills, carts and brick urning.