

MAHARANA PRATAP MAHAVIDHYALAYA JUNGLE DHUSAR GORAKHPUR BOTANY DEPARTMENT Semester - IV Course Code: BOT 204 Course Title: Economic Botany, Ethnomedicine and Phytochemistry				
Date	Lecture Number	Teacher's Name	Unit	Topic
16.01.2025	1	Dr AKG	II Botany of oils, Fibers, timber yielding plants & dyes	Study of the plants with Botanical names, Family, part used, and economic uses yielding Edible & essential oils;
17.01.2025	2	Dr AKG	II	Sugar, Starch;Fibers
18.01.2025	1	Dr AKS	Origin and domestication of cultivated plants.	Centers of diversity of plants,
20.01.2025	3	Dr AKG	II	Paper, Fumitories & Masticatories,
21.01.2025				Class Teaching
22.01.2025	2	Dr AKS	I	Origin of crop plants.
23.01.2025	4	Dr AKG	II	Rubber ,Dyes,
24.01.2025	5	Dr AKG	II	Timber, biofuel crops.
25.01.2025	3	Dr AKS	I	Concepts of sustainable development;
27.01.2025	6	Dr AKG	IV IPR & Traditional Knowledge	IPR and WTO (TRIPS, WIPO),
28.01.2025				Class Teaching
29.01.2025	7	Dr AKG	IV	Patent Act 1970 and its amendments, TIFAC, NRDC,
30.01.2025	4	Dr AKS	I	cultivation, production and uses of Cereals
31.01.2025	5	Dr AKS	I	cultivation, production and uses of Cereals
01.02.2025	8	Dr AKG	IV	Rights, Infringement ,Copyrights,
04.02.2025	6	Dr AKS	I	Legumes
05.02.2025				Class Teaching
06.02.2025	9	Dr AKG	IV	Trademarks,Geographical Indications,
07.02.2025	7	Dr AKS	III Commercial production of Flowers, Vegetables, fruits (To be Chosen area wise)	Commercial greenhouse cultivation of rose, tomato, .

08.02.2025	8	Dr AKS	III	Commercial greenhouse cultivation of rose, tomato, .
10.02.2025	10	Dr AKG	IV	Traditional Knowledge Digital Library
11.02.2025	9	Dr AKS	III	Bell pepper,Cucumber,
13.02.2025				Class Teaching
14.02.2025	10	Dr AKS	III	Bell pepper,Cucumber,
15.02.2025	11	Dr AKG	IV	Protection of Traditional Knowledge
17.02.2025	12	Dr AKG	VI Medicinal aspects	Study of common plants used by tribes (Aegle marmelos, Ficus religiosa,, Eclipta alba)
18.02.2025	11	Dr AKS	III	strawberry Using Hydroponics
19.02.2025	13	Dr AKG	VI	(Ocimum sanctum and Trichopuszeylanicus)
20.02.2025				Class Teaching
21.02.2025	14	Dr AKG	VI	Ethnobotanical aspect ofconservation and management of plant resources,
22.02.2025	12	Dr AKS	V Ethnobot	Methodologies of ethnobotanical research:
24.02.2025	13	Dr AKS	V	Field work,
25.02.2025	15	Dr AKG	VI	Ethnobotanical aspect ofconservation and management of plant resources,
27.02.2025	16	Dr AKG	VI	Preservation of primeval forests in the form of sacred groves of individual species and
28.02.2025				Montly Evaluation
01.03.2025	14	Dr AKS	V	Literature,
03.03.2025	17	Dr AKG	VI	Preservation of primeval forests in the form of sacred groves of individual species and
04.03.2025	15	Dr AKS	V	Herbaria and Musea and other aspects of ethnobotany
05.03.2025	16	Dr AKS	V	Importance of ethnobotany in Indian systems of medicine (Siddha, Ayurveda and Unani),
06.03.2025	18	Dr AKG	VI	Botanical uses depicted in our epics.
07.03.2025				Class Teaching
08.03.2025	17	Dr AKS	V	Role of AYUSH, NMPB,
10.03.2025	18	Dr AKS	V	Role of AYUSH, NMPB,

11.03.2025	19	Dr AKG	VI	Plants in primary health care: common medicinal plants: Tinospora, Acorus,
17.03.2025	19	Dr AKS	V	Role of CIMAP
18.03.2025	20	Dr AKS	VII Pharmacognosy	Preparation of drugs for Commercial market Organoleptic evaluation of drugs
19.03.2025				Class Teaching
20.03.2025	20	Dr AKG	VI	Plants in primary health care: common medicinal plants: Tinospora, Acorus,
21.03.2025	21	Dr AKS	VII	Microscopic evaluation of drugs -
22.03.2025	22	Dr AKS	VII	Physical evaluation of drugs
24.03.2025				MID TERM
25.03.2025				MID TERM
26.03.2025				MID TERM
27.03.2025				MID TERM
28.03.2025				MID TERM
29.03.2025				MID TERM
01.04.2025	23	Dr AKS		Sources of crude drugs - roots, rhizome,
02.04.2025	21	Dr AKG		Botanical quiz
03.04.2025				Class Teaching
04.04.2025	24	Dr AKS	VII	bulb, corm,
05.04.2025	25	Dr AKS	VII	leaves, stems
07.04.2025	22	Dr AKG	VIII Herbal Preparations & Phyto- chemistry	Collection of wild herbsCapsules - compresses -
08.04.2025	23	Dr AKG	VIII	Elixirs - Glycerites -
09.04.2025	26	Dr AKS	VII	flowers,fruits and seeds
11.04.2025				Class Teaching
12.04.2025	24	Dr AKG	VIII	Hydrotherapy or Herbal bath - Herbal oils
15.04.2025	25	Dr AKG	VIII	Liquid extracts or Tincture - Poultices - Salves
16.04.2025	27	Dr AKS	VII	organoleptic study of Adhatoda vasica, Andrographis paniculata,
17.04.2025	28	Dr AKS	VII	organoleptic study of Adhatoda vasica, Andrographis paniculata,
19.04.2025	29	Dr AKS	VII	Datura metel, Emblica officinalis,
21.04.2025				Class Teaching
22.04.2025	26	Dr AKG	VIII	Slippery elm slurry and gruel Suppositories

23.04.2025	27	Dr AKG	VIII	Teas..Glycosides and Flavonoids and therapeutic applications
24.04.2025	30	Dr AKS	VII	Vinca rosea and Zingiber officinale
25.04.2025	28	Dr AKG	VIII	Anthocyanins and Coumarins and therapeutic applications,
26.04.2025	29	Dr AKG	VIII	Volatile oils and Alkaloids and pharmacological activities
28.04.2025				Monthly Evaluation
29.04.2025	30	Dr AKG		Revision
30.04.2025	31	Dr AKS		Revision

,Traditional Knowledge