

### Format for syllabus development of Skill development course

11/12/

Title of course: Medicinal Plants of Local Areas & their Application

Nodal Department of HLL to run course

Broad Area/Sector: Life Science

Sub Sector: Pharmaceutical

Nature of course - Independent / Progressive: Independent

Name of suggestive Sector Skill Council: Ayush Department

Aligned NSQF level: 05

Expected fees of the course - Free/Paid

Stipend to student expected from industry

Number of Seats

Course Code

Max Marks 100 .. Mininum Marks

Name of proposed skill Partner (Please specify, Name of industry, company etc for Practical training/ internship/OJT)

Job prospects-Expected Fields of Occupation where student will be able to get job after completing this course in (Please specify name/type of industry, company etc)

Pharmaceutical Industry.

Syllabus

Unit	Topics	General/Skill component	Theory/ Practical/ OJT/ Internship/ Training	No of theory hours (Total-15 Hours=1 credit)	No of skill Hours (Total-60 Hours=2 credits)
I	Historical Background	General	Theory	02 hours	-
II	Distribution of Plants	General	Theory	02 hours	-
III	Scope of Medicinal Plants	Skill	Theory & Practical	02 hours	05 hours
IV	Application of Ethno Botany	Skill	Theory & Practical	02 hours	15 hours
V	Natural Source as drug	Skill	Theory & Practical	05 hours	20 hours
VI	Conservation of Plants	Skill	Theory & Practical	02 hours	20 hours

Suggested Readings: - Enclosed Annexure - (II)

Suggested Digital platforms/ web links for reading- Enclosed (Annexure - II)

Suggested OJT/ Internship/ Training/ Skill partner

Suggested Continuous Evaluation Methods: Written Exam & Practical

Course Pre-requisites

- No pre-requisite required, open to all
- To study this course, a student must have the subject Science in class/12<sup>th</sup>/ certificate/diploma
- If progressive, to study this course a student must have passed previous courses of this series.

Suggested equivalent online courses:

Any remarks/ suggestions:

Notes

- Number of units in Theory/Practical may vary as per need
- Total credits/semester-3 (it can be more credits, but students will get only 3 credit/ semester or 6 credits/ year
- Credits for Theory = 01 (Teaching Hours = 15)
- Credits for Internship/OJT/Training/Practical = 02 (Training Hours = 60)

Name of the course: *Medicinal plants of local areas and their application*

Unit	Theory Topics	Credits
I	Historical background, Present status of medicinal plants, Ethnobotany – Definition and its significance	1 Credits
II	Distribution of medicinal plants, Introduction and importance	
III	Scope of medicinal botany, Traditional and Folklore system of medicine, Need to preserve knowledge system	
IV	Linkage of Ethnobotany with other sciences and disciplines in biology – food and nutrition, medicine, sociological and cultural practices,	
V	Natural source of Drugs- Crude drugs, Classification of Crude drugs, Collection and Processing of Crude drugs, Their effects on microorganisms	
VI	Ethnobotany and conservation of plants with special reference to local area.	
	<b>Practical/Training</b>	
	<ul style="list-style-type: none"> <li>• Promotion of good health, diet and nutrition</li> <li>• Nutritional standards and specifications for the healthy person</li> <li>• To know Intellectual Property Rights of Herbs and Herbal Medicines</li> <li>• To identify rare /-endangered Medicinal Plants and their efficacy</li> <li>• Documentation of the drugs and methods used by traditional healers</li> <li>• To develop awareness for utilization of herbal medicines for home remedies</li> </ul>	2 Credits
	<b>Total</b>	<b>3 credits</b>

Suggested Book Readings:

1. Purohit, S. S. (2004). औषधीय पौधे एवं सुगंधित पौधे , Agrobios Publication, Jodhpur
2. Warriar, P. K. (2007). Indian Medicinal Plants, Vol. I & II, Orient Blackswan Pvt. Ltd. Pub. New Delhi.
3. Sharma, M. and Shahu, S. (2020). Gallery of Medicinal Plants, Thiem Publication India.
4. Bhutya, R. K. and Bhutya, R. (2007). Scientific Publishers, India.
5. *Coriellin, J.K. and Philpott, Jane (1990). Medicinal plants: Herbal medicine Past and Present. London. (Duke Univ. Press - London)*

Suggested Web Links:

1. <http://heecontent.upsdc.gov.in>
2. <http://swayam.gov.in>
3. <http://nmpb.nic.in>
4. <http://www.cimap.res.in>