Department of Applied Science and Humanities

Invertis University, Bareilly

CIRCULAR

Value Added Course (Impact of Medicinal Plants on Society)

Students of BSc. (H) Chem. & MSc. (Chem.) are hereby informed that the Value Added Course (VAC) is scheduled from 16-10-18 in your respective classrooms at Academic Block – 1.

Schedule:

- Time Slot: 3 pm – 5 pm
- Key Speaker: Dr. Santosh Joshi
- Duration: 2 hours

Program Overview

The entire objective of this VAC is to develop an orientation regarding specialized course and setting up a comprehensive capacity for building the professional mechanism. The course is committed to produce highly professional human resource by providing them requisite training and education. The idea has been largely to provide perceptive thinking about the dynamics of the discipline for the students willing to join the industry. The curriculum has been carefully crafted to make the technical, theoretical and practical ends meet. With the testimonies and feedback the program developers have been able to evolve a new breed of professionals and set up new benchmarks for achieving newer heights in content development and course delivery.

Dr. Kamlesh Kumar Dubey

(Head of the Department)

Department of Applied Science and Humanities

Invertis University, Bareilly

Dean
Faculty of Science
Invertis University, Bareilly (U.P.)
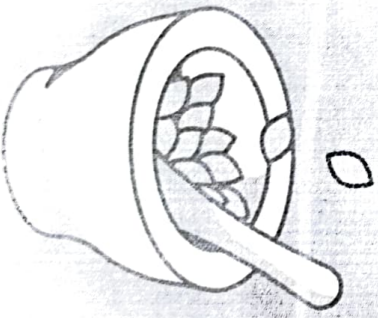
Registrar
Invertis University
Bareilly

Head
Department of Applied Science
Invertis University, Bareilly (U.P.)

VALUE ADDED COURSE
(IMPACT OF MEDICINAL PLANTS ON SOCIETY)

Programs: Bsc(H) Chem, MSc(H) Chem and
BSc (H) PCM

Time: 3:00 PM to 5:00 PM

Dates October 2019 – December 2019

Course Coordinator: Dr Santosh Joshi

HoD: Dr KK Dubey

INVERTIS
UNIVERSITY BAREILLY

Head

Hundreds of millions of ... derive ... health and ... parts of ...

... sisters ... heals and income from gathered plant and animal products ...

... of high-value products such as mushrooms (morels), ... natsutake, ...

... dicinal plants, ginseng, black cohosh, goldenseal) also continues ...

... developed countries for a variety of economic reasons. Among these uses, ...

... plants ... are a central portion as traditional medicine.

... many cultures, but also as trade commodities which meet the demand ...

Department of Applied Science
...rtis University, Bareilly (U.P.)
Head

Dean
Faculty of Science
...tis University, Bareilly (U.P.)

VALUE ADDED COURSE: Impact of Medicinal Plants on Society

Course Code: ASH02   Hours: 60

Course Outline:

Unit 1:

- Plant Biology: Botanical aspects, Plant tissue types (structure and function)
- Structural Organization of flower
- Double fertilization
- Transport of nutrients in plants (active and passive Transport)

Unit 2:

- Plant adaptations
- Pollination: Seed structure and dispersal mechanism
- Plant Ecology: Biomes, Tundra, Grasslands, Deciduous and Tropical forests, Scrub, Desert
- Different approaches for Conservation of the plant diversity and sustainable development.

Unit 3:

- Cultivated plants as a source of food: General description about cereals (wheat, Maize and Rice), Legumes (Gram and Soybean), Oils and Fats (Groundnut), Spices (Black pepper and Cloves),
- Fibre Yielding Plant (Cotton), genetically modified plants (transgenic, cisgenic, Subgenic)

Unit 4:

- Commercial/Medicinal aspects of plants: Stimulating Beverages (Tea and coffee), Paper, Cloth and Wood, Ornamental plants, Medicinal Plants, Psychoactive Plants, Toxic Plants

Course Outcomes:

After the completion of the course the students will be able to

1. Students will be able to understand the active mechanism of medicinal and aromatic Plants.
2. Students will be able to learn about the uses of medicinal plants and other non-wood Forest products.
3. Forest product would be commercial for household and industries.
4. Students will be able to learn about products commonly utilized for basic human needs as Food, clothing, shelter, health etc.

Dean
Faculty of Science
Invertis University, Bareilly (U.P

Registrar
Invertis University
Bareilly

Head
Department of Applied Science
Invertis University Bareilly (U.P.)

Attendance Sheet (Session 2019 - 20)

Subject Name: *Impact of Medicinal Plants on Society*; **Subject Code:** *ASH02*

Course Type: Value Added Course; **Duration:** 01.07.2019 – 12.10.2019 (45 Hours)

Faculty of Science

Dean

Head

S.No	Course	Roll No.	Name
1	M.Sc. (Chem) - III	182080301	SUDHANSHU SHARMA
2	M.Sc. (Chem) - III	182080302	SUMIT KUMAR
3	M.Sc. (Chem) - III	182080303	KM MEDHA
4	M.Sc. (Chem) - III	182080304	AYUSHI GUPTA
5	M.Sc. (Chem) - III	182080305	DEEKSHA KUMARI
6	M.Sc. (Chem) - III	182080306	NISHANK MISHRA
7	M.Sc. (Chem) - III	182080307	YASHI RASTOGI
8	M.Sc. (Chem) - III	182080308	KM RANJANA KASHYAP
9	M.Sc. (Chem) - III	182080309	SRISHTI VERMA
10	M.Sc. (Chem) - III	182080310	ABNESH KUMAR
11	M.Sc. (Chem) - III	182080311	VIKAS MAURYA
12	M.Sc. (Chem) - III	182080312	SOMYA SAXENA
13	M.Sc. (Chem) - III	182080313	SANJEEV KUMAR
14	M.Sc. (Chem) - III	182080314	PRONOMITA GHOSH
15	M.Sc. (Chem) - III	182080315	VATSALA SAXENA
16	M.Sc. (Chem) - III	182080316	RAVI KATIYAR
17	B.Sc(H) Chem - III	181080601	KAMRAN KHAN
18	B.Sc(H) Chem - III	181080602	AMIT KUMAR GANGWAR
19	B.Sc(H) Chem - III	181080603	SHIVA SINGH
20	B.Sc(H) Chem - III	181080604	ANKIT YADAV
21	B.Sc(H) Chem - III	181080605	RITU KANWAL
22	B.Sc(H) Chem - III	181080606	MANSI KUMARI
23	B.Sc(H) Chem - III	181080607	PULKIT VARSHNEY
24	B.Sc(H) Chem - III	181080608	AMAN MASSEY
25	B.Sc(H) Chem - III	181080610	KESHNEEL ANAND
26	B.Sc(H) Chem - III	181080611	SHIVEK KUMAR YADAV
27	B.Sc(H) Chem - III	181080612	ARUN KUMAR
28	B.Sc(H) Chem - III	181080613	ANSHIKA SHARMA
29	B.Sc(H) Chem - III	181080614	AMAN SINGH CHANDEL
30	B.Sc(H) Chem - III	181080615	KUSHAGRA GUPTA
31	B.Sc(H) Chem - III	181080601	KAMRAN KHAN

#	Course	Roll No.	Name
	B.Sc(H) Chem – V	1710806001	VAISHNAV GUPTA
33	B.Sc(H) Chem – V	1710806002	YOGITA ADLAKHA
34	B.Sc(H) Chem – V	1710806003	PRIYANSHU KUMAR OJHA
35	B.Sc(H) Chem – V	1710806004	SATYAM SAXENA
36	B.Sc(H) Chem – V	1710806005	RITUPARNA ROY
37	B.Sc(H) Chem – V	1710806006	PRIYANKA BHATT
38	B.Sc(H) Chem – V	1710806009	PRAPTI BANSAL
39	B.Sc(H) Chem – V	1710806010	URNEET KAUR
40	B.Sc(H) Chem – V	1710806011	PRIYANKA
41	B.Sc(H) Chem – V	1710806012	PRIYADARSHAN
42	B.Sc(H) Chem – V	1710806014	MEGHA PATEL
43	B.Sc(H) Chem – V	1710806015	ARFEEN JAHAN
44	B.Sc(H) Chem – V	1710806016	SUDEEP DEY
45	B.Sc(H) Chem – V	1710806017	LALIT PATHAK
46	B.Sc(H) Chem – V	1710806018	LALIT MOHAN GANGAWAR
47	B.Sc(H) Chem – V	1710806019	HARSHIT AGARWAL
48	B.Sc(H) Chem – V	1710806020	AKANSH SAHU
49	B.Sc(H) Chem – V	1710806021	SATYAM KUMAR SRIVASTAVA
50	B.Sc(H) Chem – V	1710806022	DHRUV GANGWAR MANU

Dean
Faculty of Science
Invertis University, Bareilly (U.P.)

Head
Department of Applied Science
Invertis University, Bareilly (U.P.)

Registrar
Invertis University
Bareilly