



MAHARISHI AUROBINDO SUBHARTI COLLEGE & HOSPITAL OF NATUROPATHY & YOGIC SCIENCES



Degree recognized by Department of AYUSH & Approved by UGC
Website: naturopathy.subharti.org, E-mail: naturopathy@subharti.org, Ph.: 0121-2439043/ 52 (Extn: 3553), Telefax: 0121-3058030, Cell: +91-9639010531
A constituent college of

SWAMI VIVEKANAND SUBHARTI UNIVERSITY

(Established under U.P. Govt. Act no. 29 of 2008 and approved under section 2(f) of UGC Act 1956)

Office of the Principal

Dated: 5th FEB 2021

NOTICE

All Students are informed that a Value Added Course on “BASIC PHARMACOLOGY” will be organized in **Dec 2020**. The classes are likely to start from the **15TH FEB 2021**. Interested candidates can give their names to respective class coordinator.

Eligibility: 4th year students and interns


Course duration: 16 hours

Fees: Free

Certificates will be provided.


Registrar
Swami Vivekanand
Subharti University
MEERUT




Dr. Abhay M. Shankaregowda
Principal, MASCHNYS
Dean, Faculty of AYUSH, SVSU



MAHARISHI AUROBINDO SUBHARTI COLLEGE & HOSPITAL OF NATUROPATHY & YOGIC SCIENCES

Degree recognized by Department of AYUSH & Approved by UGC
Website: naturopathy.subharti.org, E-mail: naturopathy@subharti.org, Ph.: 0121-2439043/ 52 (Extn: 3553), Telefax: 0121-3058030, Cell: +91-9639010531
A constituent college of



SWAMI VIVEKANAND SUBHARTI UNIVERSITY

(Established under U.P. Govt. Act no. 29 of 2008 and approved under section 2(f) of UGC Act 1956)

Course Content

1. General Pharmacology

- a. Nature and sources of drugs
- b. Routes of administration
- c. Absorption and bioavailability of a drug – factors affecting drug absorption and its bioavailability
- d. Distribution of a drug in the body
 - i. Plasma concentration
 - ii. Drug storage
 - iii. Placental transfer
- e. Fate of the drug
- f. Drug excretion
- g. Drug receptors
- h. Mechanism of action of a drug – types of drug action
- i. Adverse reaction to drug
- j. Drug toxicity in man –
 - i. Drug Intolerance
 - ii. Hemopoietic Toxicity
 - iii. Hepatotoxicity
 - iv. Nephrotoxicity
 - v. Abnormalities Of Taste And Smell
 - vi. Behavioral Toxicity
 - vii. Production Of A Disease
 - viii. Electrolyte Disturbances
 - ix. Endocrine Disturbances
 - x. Skin Toxicity
 - xi. Carcinogenesis
 - xii. Teratogenicity
 - xiii. Drug Dependence
- k. Factors modifying the effects of a drug
- l. Role of a placebo

2. Brief description of the following drugs

(Their mode of action, dosage, adverse reaction, the method of tapering their dosage, including the adverse effects with the abrupt stoppage of their use)

- a. Drugs acting on the CNS
 - i. General sedatives
 - ii. Anticonvulsant drugs
 - iii. Opioid and Non-Opioid analgesics
 - iv. Analgesics, antipyretics and non-steroidal anti-inflammatory drugs (NSAID)
 - v. CNS stimulants – Xanthine alkaloids
 - vi. Psychopharmacology
 - Anti-anxiety drugs – Meprobamate, Benzodiazepines, Chlormethiazole
 - Anti-depressant drugs – Classification, actions, adverse reaction (monoamine oxidase inhibitors, tricyclic compounds, carbamazepine, lithium)


Registrar
Swami Vivekanand
Subharti University
MEERUT

- Psychotropic drugs – LSD, Mescaline, Cannabis
- b. Local Anesthetics – adverse reactions
- c. Drug action on ANS
 - i. Skeletal muscle relaxants – Diazepam, Baclofen, Dantrolene
 - ii. Anti-Parkinsonian drugs – Levodopa, Amantadine
- d. Biogenic Amines and Polypeptides
 - i. Histamine and Antihistamine drugs
 - ii. Angiotensin, Kinins, Leukotrienes, Cytokines & PGs
- e. Drugs used in Respiratory Disorders
 - i. Expectorants, Central cough suppressants, antitussives, mucolytic agents
 - ii. Pharmacotherapy of bronchial asthma and rhinitis
 - Drug therapy during an acute attack
 - Prevention of acute attacks
 - Treatment of status asthmaticus
 - Treatment of acute respiratory failure
 - Treatment of chronic persistent asthma
 - Drug therapy of rhinitis
- f. Cardiovascular drugs
 - i. Digitalis
 - ii. Pharmacotherapy of cardiac arrhythmias – Sodium channel blockers, beta blockers, potassium channel blockers, calcium channel blockers
 - iii. Pharmacotherapy of Hypertension – Clonidine, alpha methyl dopa, Guanethidine, Reserpine, Phentolamine etc.
- g. Drugs acting on Blood and blood forming organs
 - i. Drugs effective in iron deficiency anemia
 - ii. Treatment of acute iron poisoning
- h. Water, Electrolytes and drugs affecting Renal functions
 - i. Nutritional supplementation therapy
 - ii. Diuretic and Anti-diuretic drugs
- i. Drugs used in GIT disorders
 - i. Appetizers, Digestants, Carminatives, Appetite suppressants and agents lowering serum lipid
 - ii. Emetics, drug therapy of vomiting and diarrhea
 - iii. Pharmacotherapy of constipation
 - iv. Pharmacotherapy of peptic ulcer
- j. Chemotherapy
 - i. Sulfonamides, Cotrimoxazole, Nitrofurans
 - ii. Penicillin, antibiotics effective against gram positive and negative organisms
 - iii. Tetracyclines, chloramphenicol and antifungal agents
 - iv. Chemotherapy of UTI, STD, Tuberculosis, Leprosy, Malaria, Amoebiasis, Viral infections, Helminthiasis, Malignancy
 - v. Antiseptics and Disinfectants
- k. Drugs used in Endocrine disorders
 - i. Thyroid and antithyroidal drugs
 - ii. Insulin and oral antidiabetic drugs
 - iii. Adrenal cortical steroids
 - iv. Gonadotropins, estrogens, progestins
 - v. Antifertility agents and ovulation including drugs
- l. Therapeutic gases – oxygen carbon dioxide
- m. Vitamins
- n. Immunotherapy, immuno-suppressants and immune-stimulants

NOTE: All the drugs mentioned in the syllabus are strictly for understanding drug reactions and NOT to be prescriptive in nature. Students, after graduations are not expected to prescribe any of the above-mentioned medication.


 Registrar
 Swami Vivekanand
 Subharti University
 MEERUT



MAHARISHI AUROBINDO SUBHARTI COLLEGE & HOSPITAL OF NATUROPATHY & YOGIC SCIENCES

Degree recognized by Department of AYUSH & Approved by UGC
Website: naturopathy.subharti.org, E-mail: naturopathy@subharti.org, Ph: 0121-2439043/ 52 (Extn: 3553), Telefax: 0121-3058030, Cell: +91-9639010531

A constituent college of

SWAMI VIVEKANAND SUBHARTI UNIVERSITY

(Established under U.P. Govt. Act no. 29 of 2008 and approved under section 2(f) of UGC Act 1956)



Report

of

Value Added Course on Basic Pharmacology

Objectives:

To provide fundamental information about the general principles underlying basic pharmacological agents.

Course learning outcome:

The student will be able to understand the clinical applications, side effects and toxicities of drugs used in medicine.

The student will be able to explain the mechanisms of action and use of common drugs used in medicine.

Eligibility: 4th year students and interns

Course duration: 16 hours




PRINCIPAL
MASC / NYS
Swami Vivekanand Subharti University
MEERUT


Registrar
Swami Vivekanand
Subharti University
MEERUT



MAHARISHI AUROBINDO SUBHARTI COLLEGE & HOSPITAL OF NATUROPATHY & YOGIC SCIENCES

Degree recognized by Department of AYUSH & Approved by UGC
Website: naturopathy.subharti.org, E-mail: naturopathy@subharti.org, Ph.: 0121-2439043/ 52 (Extn: 3553), Telefax: 0121-3058030, Cell: +91-9639010531
A constituent college of



SWAMI VIVEKANAND SUBHARTI UNIVERSITY

(Established under U.P. Govt. Act no. 29 of 2008 and approved under section 2(f) of UGC Act 1956)

List of Participant in Value Added Course on “BASIC PHARMACOLOGY”

S. No.	Students Name
1	Dr. Palak
2	Dr. Priya
3	ANJALI SINGH
4	AKSHAY KUMAR
5	ARTI CHAUHAN
6	SANJAY MADDSHESHIYA
7	Christina Lalhmangaihzuali
8	Rohit Soni
9	Anamika Kumari
10	Annu
11	Shruti
12	Ira
13	Carolyn Vungsanching
14	Reuben Lalthazuala
15	Chirag Sharma
16	Suchi
17	Varsha Gautam
18	Mantasha Nabi
19	Chanchal Vikash
20	Shivani Malik
21	Afsheen Rehman
22	Vipin
23	Divya Gupta (Female)
24	Priyanka
25	Abrima Anwer
26	Divya Gupta (Male)
27	Simran Malhotra
28	Bal Krishna Jha
29	Harish
30	Divya
31	Shasi Bhushan Sharma
32	Anjali Patel
33	Anmol Gaur
34	PRIYANKA MOURYA
35	RASHMI TRIPATHI
36	JYOTI
37	VARSHA
38	AANCHAL
39	ARUNIMA
40	SHAMBHAVI
41	KHUSHAL
42	RIYA SINGH

43	ADITYA
44	VIJAY
45	SALONI
46	KM. GARIMA
47	RONAK
48	ABHINEV
49	KISHAN SINGH
50	NISHIKANT TRIPATHI
51	SANAT
52	AMAN
53	ASAD
54	RAGHAV
55	DIKSHA
56	SHREYA
57	SHAMIR
58	SORAM PRIYA
59	PANKAJ
60	BIRJESH
61	SHIVANGI
62	RIYA SINGHAL
63	JAIN NIDHI GIRISH
64	ANKITA
65	SUKWANT
66	GARUNA GARG
67	SONAM SOAM

68	AKANKSHA
69	ANUDHI
70	ARADHNA SHARMA
71	NAMRATA DUBEY
72	PRAGATI RAI
73	RASHMI THARPATHI
74	NISHI KANT
75	ANJALI SRIVASTAV
76	JAIN NIDHE
77	KANIKA SHARMA
78	NAINA VERMA
79	SUMIT KUMAR
80	AVNIKA
81	TANU TYAGI
82	SHUCHISMITA
83	KRITI MISRA
84	ANSHI SHARMA
85	AYUSH KESHARI
86	NIKITA
87	MAHIMA
88	PARTH
89	MUSKAN
90	ABHISHEK SINGH
91	NEHA
92	RUDRANSHI

93	GAYATRI GARG
94	ANKITA
95	ANVESH
96	ANGPHEN O PHOM
97	BRIJESH KUMAR MISHRA
98	MUSKAN CHOPRA
99	SANVI MALIK
100	PRAGYA
101	AASTHA
102	ADITI RAJ
103	MANISHA LODHI
104	GULAFSHA
105	HIMANI
106	SRISHTY RAI
107	RUPESH KUMAR
108	SHREYA GARG
109	SHUCHI
110	RASHMI
111	VIBHA
112	SANVI



Amul
PRINCIPAL
M.A.S.C. / M.S.
Swami Vivekanand Subharti University
MEERUT


Registrar
Swami Vivekanand
Subharti University
MEERUT



SWAMI VIVEKANAND
SUBHARTI
UNIVERSITY
Meerut
UGC Approved



Where Education is a Passion ...

**MAHARISHI AUROBINDO SUBHARTI COLLEGE & HOSPITAL OF
NATUROPATHY & YOGIC SCIENCES, SVSU, MEERUT**

CERTIFICATE OF COMPLETION

(2020-2021)

This is awarded to

Shruti

for successfully completing course on Basic
Pharmacology VAC-BNYS-05

Dr. Abhay M. Shankaragouda
Principal, MASC HNYS
Dean, Faculty of AYUSH, SVSU



SWAMI VIVEKANAND
SUBHARTI
UNIVERSITY
Meerut
UGC Approved



Where Education is a Passion ...

**MAHARISHI AUROBINDO SUBHARTI COLLEGE & HOSPITAL OF
NATUROPATHY & YOGIC SCIENCES, SVSU, MEERUT**

CERTIFICATE OF COMPLETION

(2020-2021)

This is awarded to

Ira

for successfully completing course on Basic
Pharmacology VAC-BNYS-05

Dr. Abhay M. Shankaragouda
Principal, MASC HNYS
Dean, Faculty of AYUSH, SVSU