

No. of Hours	TOPIC	Days	Expected date	Conducted date	Remark
1	Introduction of syllabus	MON	16-06-25		
2	sedatives and Hypnotics: Benzodiazepines: SAR of Benzodiazepines Chlordiazepoxide, Diazepam*, Oxazepam, Chlorazepate, Lorazepam, Alprazolam, Zolpidem	TUE	17-06-25		
3	Barbiturates: SAR of barbiturates, Barbitol*, Phenobarbital, Mephobarbital, Amobarbital, Butobarbital, Pentobarbital, Secobarbital	WED	18-06-25		
4	Miscellaneous: Amides & imides: Glutethimide. Alcohol & their carbamate derivatives Meproboamate, Ethchlorvynol Aldehyde & their derivatives: Triclofos sodium, Paraldehyde	MON	23-06-25		
5	Antipsychotics Phenothiazines: SAR of Phenothiazines - Promazine hydrochloride, Chlorpromazine hydrochloride*, Triflupromazine, Thioridazine hydrochloride, Piperacetazine hydrochloride, Prochlorperazine maleate, Trifluoperazinehydrochloride	TUE	24-06-25		
6	Ring Analogues of Phenothiazines: Chlorprothixene, Thiothixene, Loxapine succinate, Clozapine. Fluro buterophenones: Haloperidol, Droperidol, Risperidone. Beta amino ketones: Molindone hydrochloride. Benzamides: Sulpieride.	WED	25-06-25		
7	Anticonvulsants: SAR of Anticonvulsants, mechanism of anticonvulsant action Barbiturates: Phenobarbitone, Methabarbitol.	MON	30-06-25		
8	Hydantoin: Phenytoin*, Mephentyoin, Ethotoin Oxazolidine diones: Trimethadione, Paramethadione Succinimides: Phensuximide, Methsuximide, Ethosuximide*	TUE	01-07-25		
9	Urea and monoacylureas: Phenacemide, Carbamazepine* Benzodiazepines: Clonazepam Miscellaneous: Primidone, Valproic acid , Gabapentin, Felbamate	WED	02-07-25		
10	General anesthetics: Inhalation anesthetics: Halothane*, Methoxyflurane, Enflurane, Sevoflurane, Isoflurane, Desflurane.	MON	07-07-25		
11	Ultra short acting barbiturates: Methohexital sodium*, Thiamylal sodium, Thiopental sodium. Dissociative anesthetics: Ketamine hydrochloride.*	TUE	08-07-25		
12	Morphine and related drugs: SAR of Morphine analogues, Morphine sulphate, Codeine, Meperidine hydrochloride, Anilerdine hydrochloride, Diphenoxylate hydrochloride, Loperamide hydrochloride,	WED	09-07-25		
13	Fentanyl citrate*, Methadone hydrochloride*, Propoxyphene hydrochloride, Pentazocine, Levorphanol tartarate.	MON	14-07-25		

14	Narcotic antagonists: Nalorphine hydrochloride, Levallorphan tartarate, Naloxone hydrochloride.	TUE	15-07-25		
15	Anti-inflammatory agents: Sodium salicylate, Aspirin, Mefenamic acid*, Meclofenamate, Indomethacin, Sulindac, Tolmetin, Zomepriac, Diclofenac,	WED	16-07-25		
16	Ketorolac, Ibuprofen*, Naproxen, Piroxicam, Phenacetin, Acetaminophen, Antipyrine, Phenylbutazone.	MON	21-07-25		
17	Cholinergic neurotransmitters: Biosynthesis and catabolism of acetylcholine.	TUE	22-07-25		
18	Cholinergic receptors (Muscarinic & Nicotinic) and their distribution.	WED	23-07-25		
19	Parasympathomimetic agents: SAR of Parasympathomimetic agents	MON	28-07-25		
20	Direct acting agents: Acetylcholine, Carbachol*, Bethanechol, Methacholine, Pilocarpine.	TUE	29-07-25		
21	Indirect acting/ Cholinesterase inhibitors (Reversible & Irreversible): Physostigmine, Neostigmine*, Pyridostigmine, Edrophonium chloride,	WED	30-07-25		
22	Tacrine hydrochloride, Ambenonium chloride, Isofluorophate, Echothiophate iodide, Parathione, Malathion	MON	04-08-25		
23	Cholinesterase reactivator: Pralidoxime chloride.	TUE	05-08-25		
24	Cholinergic Blocking agents: SAR of cholinolytic agents Solanaceous alkaloids and analogues:.	WED	06-08-25		
25	Atropine sulphate, Hyoscyamine sulphate, Scopolamine hydrobromide, Homatropine hydrobromide, Ipratropium bromide*.	MON	18-08-25		

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26	Synthetic cholinergic blocking agents: Tropicamide, Cyclopentolate hydrochloride, Clidinium bromide, Dicyclomine hydrochloride*,	TUE	19-08-25		
27	Glycopyrrolate, Methantheline bromide, Propantheline bromide, Benztropine mesylate, Orphenadrine citrate, Biperidine hydrochloride,	WED	20-08-25		
28	Procyclidine hydrochloride*, Tridihexethyl chloride, Isopropamide iodide, Ethopropazine hydrochloride	MON	25-08-25		
29	Drugs acting on Autonomic Nervous System Adrenergic Neurotransmitters: Biosynthesis and catabolism of catecholamine	TUE	26-08-25		
30	Adrenergic receptors (Alpha & Beta) and their distribution. Sympathomimetic agents:	MON	01-09-25		
31	SAR of Sympathomimetic agents Direct acting: Nor-epinephrine, Epinephrine, Phenylephrine*,.	TUE	02-09-25		
32	Dopamine, Methyldopa, Clonidine, Dobutamine, Isoproterenol, Terbutaline, Salbutamol*,	WED	03-09-25		
33	Bitolterol, Naphazoline, Oxymetazoline and Xylometazoline	MON	08-09-25		
34	• Indirect acting agents: Hydroxyamphetamine, Pseudoephedrine, Propylhexedrine	TUE	09-09-25		
35	• Agents with mixed mechanism: Ephedrine, Metaraminol. Adrenergic Antagonists:	WED	10-09-25		
36	Alpha adrenergic blockers: Tolazoline*, Phentolamine, Phenoxybenzamine, Prazosin, Dihydroergotamine, Methysergide.	MON	15-09-25		
37	Beta adrenergic blockers: SAR of beta blockers, Propranolol*, Metibranolol	TUE	16-09-25		
38	Atenolol, Betazolol, Bisoprolol, Esmolol, Metoprolol, Labetolol, Carvedilol	WED	17-09-25		
39	Introduction to Medicinal Chemistry	MON	22-09-25		
40	History and development of medicinal chemistry	TUE	23-09-25		
41	Physicochemical properties in relation to biological action Ionization, Solubility,	WED	24-09-25		
42	Partition Coefficient, Hydrogen bonding,	MON	29-09-25		
43	Protein binding, Chelation, Bioisosterism,.	TUE	30-09-25		
44	Optical and Geometrical isomerism.	MON	06-10-25		
45	Drug metabolism Drug metabolism principles- Phase I and Phase II.	WED	08-10-25		
46	Factors affecting drug metabolism including stereo chemical aspects	WED	08-10-25		