

No. of Hours	TOPIC	Days	Expected date	Conducted date	Remark
1	Introduction to Pharmacology-	THU	19-06-25		
2	Scope of Pharmacology	FRI	20-06-25		
3	Nature and Source of Drugs,	SAT	21-06-25		World Blood Bonners day Blood Donation Camp at LCP
4	Routes of Drug Administration,	THU	26-06-25		
5	Agonists Antagonists(competitive and non-competitive), Spare Receptors, etc...	FRI	27-06-25		
6	Pharmacokinetics- absorption, distribution,	SAT	28-06-25		
7	Metabolism and excretion of drugs Enzyme induction, enzyme inhibition.	THU	03-07-25		
8	kinetics of elimination	FRI	04-07-25		
9	Pharmacodynamics- Principles and mechanisms of drug action.	SAT	05-07-25		
10	Receptor theories and classification of receptors,	THU	10-07-25		
11	regulation of receptors.	FRI	11-07-25		
12	drug receptors interactions signal transduction mechanisms,	SAT	12-07-25		
13	G-protein–coupled receptors,	THU	17-07-25		
14	ion channel receptor, transmembrane enzyme linked receptors,	FRI	18-07-25		
15	Transmembrane JAK-STAT binding receptor	SAT	19-07-25		
16	Receptors that regulate transcription factors,	THU	24-07-25		
17	Dose response relationship, therapeutic index, combined effects of drugs and factors modifying drug action.	FRI	25-07-25		
18	Adverse drug reactions.	SAT	26-07-25		
19	Drug interactions (pharmacokinetic and pharmacodynamic)	THU	31-07-25		
20	Drug discovery and clinical evaluation of new drugs -Drug discovery phase, preclinical evaluation phase,	FRI	01-08-25		
21	clinical trial phase, phases of clinical trials and pharmacovigilance.	SAT	02-08-25		
22	Organization and function of ANS	THU	07-08-25		
23	Neurohumoral transmission,co-transmission and classification of neurotransmitters. c.	FRI	08-08-25		
24	Parasympathomimetics,	SAT	09-08-25		
25	Parasympatholytics,	THU	21-08-25		

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26	Sympathomimetics,	FRI	22-08-25		
27	sympatholytics	SAT	23-08-25		
28	Neuromuscular blocking agents and skeletal muscle relaxants (peripheral).	THU	28-08-25		
29	Local anesthetic agents	FRI	29-08-25		
30	Drugs used in myasthenia gravis, glaucoma	SAT	30-08-25		
31	Neurohumoral transmission in the C.N.S.special emphasis on importance of various neurotransmitters like with	THU	04-09-25		
32	GABA, Glutamate, Glycine, serotonin, dopamine.	SAT	06-09-25		
33	General anesthetics	THU	11-09-25		
34	pre-anesthetics	FRI	12-09-25		
35	Sedatives, hypnotics and centrally acting muscle relaxants.	SAT	13-09-25		
36	Anti-epileptics	THU	18-09-25		
37	Alcohols and disulfiram	FRI	19-09-25		
38	Antipsychotics,	SAT	20-09-25		
39	antidepressants,	THU	25-09-25		World Pharmacist Day and NSS Day
40	anti-anxiety agents, anti-manics and hallucinogens.	FRI	26-09-25		
41	Drugs used in Parkinsons disease and Alzheimer's disease.	SAT	27-09-25		
42	CNS stimulants and nootropics.	FRI	03-10-25		
43	Opioid analgesics and antagonists	SAT	04-10-25		
44	Drug addiction, drug abuse,	THU	09-10-25		
45	tolerance and dependence.	FRI	10-10-25		