

	Cholinergic antagonists: Atropine, scopolamine, bimatropine, ipratropium, cyclopentolate*, dicyclomine*, benztropine, procyclidine, isopropanol, tropicamide Neuromuscular blockers: (Self study) tubocurarine, gallamine, succinylcholine, decamethonium	
3.	Analgesic Drugs	
3.1	Opioid peptides (Self study) Different types of opioid receptors, Polguense and Becket Casy model, agonists, partial agonists and antagonists of these receptors (Morphine, codeine, levorphanol, buprenorphine, <u>phenazocine</u> , pentazocine, <u>meperidine*</u> , alpha and beta prodine, pheniridine, anileridine, <u>fentanyl</u> , <u>methadone</u> , dextropropoxyphene*, tramadol, nalorphine, <u>naloxone</u> , naltrexone, flupirtine) Antidiarrhoeals (Self study-1 hr): loperamide, diphenoxylate	6 3.1 A, B REFERS NR MOA f 3.1 B.
3.2	NSAIDS ⇒ MOA 3.2 <u>paracetamol</u> , aspirin, indomethacin, <u>sulindac</u> , mefenamic acid, <u>naproxen*</u> , <u>ibuprofen</u> , <u>diclofenac*</u> , <u>piroxicam*</u> , nimesulide, celecoxib, COX-2 inhibitors: (Self study-1 hr) infliximab, rituximab Drugs in Gout: colchicine, probenecid	5 All part 3.2
4	Drugs affecting Male and Female	
4.1	Testosterone, 17-alpha-methyltestosterone, danazol (Self study) <u>estradiol</u> , ethinyl estradiol, norethindrone, norgestrel (Self study), tamoxifen, medroxyprogesterone	3 refer 4.1
4.2	Adrenal cortex	

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	General products	Hours
	Water for Injection, pyrogens, vehicle, on, purity, storage and distribution, vehicles other than	12
1.2	Containers - glass - characteristics and evaluation, rubber closures	3
1.3	Personnel, Manufacturing facilities- layout, environmental control, cleanliness classes, air conditioning (HVAC systems), HEPA filters, laminar flow	2
1.4	SVP: formulation considerations- solutions, suspensions, product procedures, freeze drying.	2
1.5	LVP - types, formulation aspects, packaging, FFS technology.	2
1.6	QA & QC- sterility test, pyrogen/endotoxin test, particulate evaluation, leaker test.	1