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| Pharmacology III Question Bank | |
| Aliphatic alcohols | Pharmacology of ethanol (4)  Methanol poisoning (4) |
| General anaesthetics (GA) | Classification (2)  Stages (2/4)  Kinetics of inhalational agents (4)  Agents: Ketamine, thiopentone, halothane, fluranes  Preanaesthetic medication (4) |
| Local anaesthetics (LA) | Defn (1)  MOA (2-3)  Techniques of administration (4)  Compare- Amides/esters  Agents: Lignocaine, procaine  Justify: Adrenaline, HOC3- with LA |
| Sedative hypnotics | Defn (1)  Classification (2)  MOA: BZDs/barbiturates (2)  Compare BZDs/barbiturates (3-4)  Uses of sedative hypotics (2) |
| Antiepileptics | Defn (1)  Classification (2)  Types of epilepsies (2)  Pcol of phenytoin, Carbamazepine, valproic acid  Note on newer antiepileptics  Uses of antiepileptics (include other uses as well) (2)  Pharmacotherapy of grand mal/petitmal/status epilepticus |
| Parkinson’s Disease | Symptoms (1-2)  Classification (2)  Pcol of Levodopa  Justify combinations: Levodopa with peripheral decarbosylase inhibitors, anticholinergics, MAO inhibitors etc. |
| Alzheimer’s Disease | Classification (2)  Role of anticholinesterases (2)  Role of NMDA agents (2)  Management of Alzheimer’s disease (3-4) |
| Antipsychotic agents | Symptoms (1-2)  Classification (2)  Pcol of chlorpromazine (4)  Adv effects and uses of CPZ (3)  Atypial antipsychotics (2-3) |
| Anti- depressants | Classification (2)  Pcol of imipramine (4)  Short note : MAO inhibitor (2)  Cheese reaction (1-2)  SSRIs (3-4) |
| Anti- manic | Pcol of Lithium (2-4) |
| Opioid analgesics | Receptors (2)  Classification (2)  Pcol of morphine (4)  Notes: pethidine and pentazocine (2-3)  Morphine poisonoing and its treatment (4)  Opioid antagonists (2-3) |
| CNS stimulants | Short note (4)  Classification (2)  Uses (2)  Agents: Amphetamine, caffeine, theophylline (2-3) |
| Autocoids | Biosynthesis of Histamine, serotonin, Eicosanoids (2)  Triple action histamine (2)  Triphasic action of serotonin (2)  Antihistaminics - generations(3-4)  Serotonergic agonists and antagonists (3-4)  Role of prostaglandins, COX, PAF, Leukotrienes, bradykinin (2)  Management of migraine (3-4) |
| NSAIDs | Classification (2)  MOA (2)  Pcol of Aspirin, acetaminophen (4)  Adv effects of NSAIDs (3)  Uses of NSAIDs (3) |
| Asthma | Classification (2)  Notes: Bronchodilators, management of asthma (4)  Role of LT antagonists, Ig E antibody, Corticosteroids (2) |
| Gout | Classification (2)  Pcol of allopurinol (4)  Management of gout (4) |
| Peptic Ulcer | Classification (2)  Pcol of H2 antagonists, PPIs  Role of antacids, PG analogues, Ulcer protective (2) |
| Emetics, antiemetics, prokinetic agents | Classifications of antiemetics  Uses and contraindications of emetics. (3)  Examples of emetics (1)  Short notes: Ondaseteron, antihistaminics, anticholinergics, Domperidone, prokinetics (metaclopromide) (3-4)  Management of vertigo (3-4) |
| Constipation and diarrhoea | Definations (1)  Classification of laxative/purgatives (2)  SN: Bulk purgatives, stool softners, irritant purgatives, management of diarrhoea, ORT, non- specific antidiarrhoeals (3-4) |
| IBS | Sulfasalazine (4)  Management of IBS (4) |
| Toxicology | Management of Lead, mercury and arsenic poisoning (3-4) |