

DEPARTMENT OF PHARMACOLOGY

(Drugs Acting on Sympathetic System, Anti Asthmatic Drugs)

Max Marks:35

Allowed:50 mins

- a) Enumerate adrenoceptors with their location. *K-77 table 9.1* 4
- b) How does Epinephrine differs from Norepinephrine in terms of: *K84*
- i) Receptor Selectivity ii) Cardiovascular actions 4
- Q2) Give clinical indications of sympathomimetics. *K. 84 table* 4
- b) Classify adrenergic antagonists on the basis of receptor selectivity. 4
- Q3. What is the rationale for the use of following drugs:
- i. Prazosin in Benign prostatic hyperplasia *86 K* 6
- ii. Timolol in Glaucoma *87 K*
- iii. Dopamine in Hypovolemic shock *88 K*
- Q4. a) Enumerate clinical uses of Propranolol. *K-92* 3
- b) What is Epinephrine Reversal Phenomenon. 2
- c) Why β blockers are contraindicated in patients of Insulin Dependant Diabetes Mellitus. 1
- Q5. a) Classify Bronchodilators. *169 K* 3
- b) Give Mechanism of action and adverse effects of Theophylline. *176 Table* 2+2

DEPARTMENT OF PHARMACOLOGY

3RD CLASS TEST MBBS 3RD YEAR

DRUGS ACTING ON GASTRO INTESTINAL TRACT

Time Allowed: 1 hour

Max Marks: 40

1. a) Classify drugs used for the treatment of peptic ulcer? *5*
- b) Write down the Mechanism of action of NaHCO_3 ? 3
- c) Give triple regimn for eradication of H.pylori infection? 2
2. Describe in detail mechanism of action and adverse effect of: (5+5)
- a) Omeprazole b) Cimetidine
3. a) Enumerate antidiarrheal drugs? 5
- b) Classify laxatives/purgatives according to mechanism of action? 5
4. Write short notes on: (5+5)
- a) Metoclopramide b) Lactulose

- ANS
- General Pharma.
- Diuretics.
- endocrinology.

a long acting agonists in Bronchial asthma.
 → what are drugs of used as controller in asthma

1.5
 2000
 asthma +

QUESTIONS/ASSIGNMENTS - 7TH ROUND

GIT/RESPIRATION/ENDO/AUTACOIDS

MBBS PHARMACOLOGY 3RD YEAR

15000

- GIT**
- A) Classify with examples drugs used for the treatment of acid peptic disease (APD). 518K
 B) What are the triple and quadruple therapies for eradication of H. pylori associated gastroduodenal ulcers?
 C) Write drug interactions of cimetidine.
 - A) Classify with examples drugs used as antiemetics. 511K
 B) Write clinical uses of the following drugs
 i) Metoclopramide ii) Octreotide
- Asthma**
- Describe the role of following drugs in the management of asthma:
 i) Albuterol 135K iv) Beclomethasone 187K vii) Omalizumab 188K
 ii) Aminophylline 135K v) Nedocromil 186K
 iii) Tiotropium 186K vi) Montelukast 191K
 - What are the adverse effects of the following drugs
 i) Aminophylline 126K ii) Nedocromil 186K iii) Zileuton 188K
- Endo**
- A) What is the mechanism of action of propylthiouracil? What are its adverse effects?
 B) Write short notes on the following drugs
 i) Tamoxifen 359K ii) Anastrozole 360K iii) Finasteride 361K
 - What is the mechanism of action of prednisone? Write clinical uses of glucocorticoids. What are their contraindications and adverse effects? 349K
 - What is the mechanism of action of oral contraceptives (combined pill)? Write their clinical uses and adverse effects. 359K
 - Classify oral hypoglycemic drugs with examples. Write the mechanism of action and adverse effects of each group. 371K
 - Write short notes on
 i) Complications of insulin use iii) Bisphosphonates 380K
 ii) Humulin 70/30 iv) Cholecalciferol
- Autocoid**
- A) Differentiate between first and second generation antihistamines, give examples from each group.
 B) Write clinical uses of prostaglandins with names of drugs. 176K
 - A) Describe drugs used for the treatment and prophylaxis of migraine. 160K
 B) Write names and uses of serotonin agonists and antagonists. 163K
 - A) Write names, uses and adverse effects of ergot alkaloids. 155K
 B) Write short notes on
 i) Tocolytic agents 333K ii) Magnesium sulphate

Asthma → Enlist the group of a drug given in a Bronchial asthma treatment.
 → What is the role of steroids in a treatment of asthma → role of anticholinergics in asthma
 → Status asthmaticus? How is it managed?

Department of Pharmacology

13135

marks: 35

SEQS (GIT, Asthma, Autacoids)

Time Allowed: 45 minutes

Cervical ripening
Abortifacient

Question No. 1

- a) Write two uses and contraindications of Prostaglandins. (Pregnancy, CV problems) *Chp 18* 2
- b) What are the mechanism of action and adverse effects of Cholchicine? *K 305 Chp 36* 2
- c) Write down two treatment options for chronic gouty arthritis with brief mechanism of action for each drug. *K 305 Chp 36* 1.5+1.5

Cross sedating
BBB

Question No. 2

- a) How do the 1st and 2nd generations of antihistamines differ from each other? Write names of two drugs from each category. *Muscarinic antagonists, alpha-receptors blocked, Chp 16* 3+1
- b) What are the merits and demerits of Hydroxychloroquine? *Renal & ocular toxicity* 2
- c) What is the role of inhaled corticosteroids in asthma? *K 173 Chp 20* 1

Question No. 3

- a) What is the mechanism of action of Aspirin? Write its two uses and adverse effects. *K 305 Chp 36* 1+2 (3)
- b) What are the names, advantages and adverse effects of selective COX2 inhibitors? *A/E: M.I., K 305 Chp 36* 2 (1)
- c) How does management of acute and chronic asthma differ from each other? *Chp 20* 2 (1)

Question No. 4

Write mechanism of action, uses, and adverse effects of:

- a) Paracetamol *Hepatotoxic* (1) 1.5
- b) Sumatriptan *Chp 16, Chest pain, Throat pain* (1) 1.5
- c) Loperamide *Anti-diarrhoeal, N/E constipation, Proxismes* 1.5
- d) Ondansetron *Chp 16, K 151* (1) 1
- e) Aminophylline *Phosphodiesterase Inhibitor, belongs to methyl xanthine, For asthma, A/E: CV problems* 1.5

Question No. 5

Classify the following with examples:

- 1) Drugs used for Peptic Ulcer 2.5 (2)
- 2) Anti-emetics 2.5 (2)
- 3) Antitussives 2 (1)