

DEPARTMENT OF PHARMACOLOGY

3RD CLASS TEST MBBS 3RD YEAR

DRUGS ACTING ON GASTRO INTESTINAL TRACT

Max Marks: 40

Time Allowed: 1 hour

- ✓ 1. ✓ a) Classify drugs used for the treatment of peptic ulcer? 5
b) Write down the Mechanism of action of NaHCO₃? 3
c) Give triple regimn for eradication of H.pylori infection? 2
(5+5)
- ✓ 2. Describe in detail mechanism of action and adverse effect of:
✓ a) Omeprazole ✓ b) Cimetidine 5
- ✓ 3. ✓ a) Enumerate antidiarrheal drugs? 5
b) Classify laxatives/purgatives according to mechanism of action? (5+5)
- ✓ 4. Write short notes on:
✓ a) Metoclopramide ✓ b) Lactulose

Adverse effects of succinylcholine are:

1. HyperKalemia.
2. Muscle pain.
3. ↑ intragastric and intraocular pressure.

TIME: 1 HOU.

SEQs

- | | |
|---|-----|
| 1. a) Classify peptic ulcer drugs? | 2.5 |
| b) Write down mechanism of action of omeprazole? | 2.5 |
| Enumerate its uses? | 2.5 |
| 2. a) Classify antiemetics? | 2.5 |
| b) Write down mechanism of action of metoclopramide? | 2.5 |
| 3. a) Compare and contrast between heparin and warfarin? | 2.5 |
| b) Explain mechanism of action of warfarin? Enumerate its uses and adverse effects? | 2.5 |
| 4. Short notes on | 5 |
| a. Antacids | 5 |
| b. Osmotic purgative | 5 |
| c. Sucralfate | |

MBBS 3rd YEAR

(General Pharmacology)

SEQ's

Time Allowed: 60min

Max Marks: 30

- ✓ 1. a) Give advantages and disadvantages of intravenous routes of drug administration. 4
 b) Write down significance of ion trapping mechanism. 2
 ✓ 2. ✓ a) Define clearance. How is it calculated. 3
 b) Enumerate Phase I reactions of biotransformation with example of each. 4
 ✓ 3. ✓ a) Write two differences between First and Zero order kinetics. 4
 b) Define following terms. 3
 ✓ 4. ✓ a) Bioavailability ✓ b) First pass metabolism 4
 ✓ 5. ✓ a) Describe the factors affecting absorption of drugs. 4
 b) Define volume of distribution. Enumerate factors affecting it. 4
 ✓ 6. ✓ a) Give clinical significance of volume of distribution. 4

Adverse effects of succinylcholine are:

1. HyperKalemia.
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3. ↑ intragastric and intraocular pressure.

Pharmacology & Therapeutics

Total Marks: 35

SEQ's Type

G. Pharma & GIT

Time Allowed: 1 hour 15 min

1. ✓ a) Define Tolerance. Briefly describe the mechanism of desensitization. 1+2
b) Enumerate components of drug dependence. 2
2. a) Define: i) Drug Allergy ii) Idiosyncrasy 1+1
b) How would you treat a patient of anaphylactic shock. 3
3. ✓ a) Classify antiemetics. S46 lip 2
b) Give MOA & Adverse Effects of metoclopramide. S46 lip 3
4. ✓ a) Enumerate groups of drugs used in acid peptic disease with examples. S40 lip 3
b) Give indications for the use of proton pump inhibitors. S42 lip 2
5. ✓ a) What is meant by the term prokinetics. S44 Kat 1
b) Enumerate the drugs used as prokinetic agents. S40 Kat 2
c) How does erythromycin act as prokinetic agent. S40 Kat 2
6. ✓ a) Give MOA of sucralfate. S45 lip
b) Enumerate drugs used in peptic ulcer caused by H. Pylori. Give adverse effects of Cimetidine. S40 lip 2+1
2
7. ✓ a) Name group of drugs used as antidiarrheal with examples. S48 lip
b) What is the drug of choice in:
i) Motion Sickness Cyclazine ii) Chemotherapy induced nausea ondansetrol 1+1
1
- ✓ Define Pharmacogenetics & Enumerate three examples.

Test #1

P.K & P.D

SEQ's Total Marks=35

1st class Evaluation Test Pharmacology 3rd Year MBBS

2019

Atetogly

Time Allowed: 1:25 Min

- Q1: (a) What do you understand by parenteral route of drug administration? Write at least 3 advantages and 3 disadvantages of this route? ^{NOTES - P#1} 1+3
- (b) A patient presented with acute aspirin toxicity due to overdose. Using your knowledge of aspirin (weak acid) pharmacokinetics, how can you help this patient get rid of high plasma aspirin through urine? ^{3 NOTES}
- Q2: (a) What is Biotransformation? Write 3 possible consequences of Drug Metabolism with examples. ^{1+3 NOTES}
- (b) Explain First Pass Effect with one example of clinical significance. ^{1+2 NOTES}
- Q3: (a) Write down a comparison between zero and first order kinetics of elimination with examples. ^{3+1 NOTES}
- (b) Write down clinical significance of plasma protein binding of drugs with one example. 2
- Q4: (a) Write down different types of drug antagonism with examples. 3
- b. Enumerate major receptor families? Explain signaling through a G Protein coupled receptor. 2+2
- Q5 Write notes on following with examples:
- (a) Drug Tolerance 2 (c) Enzyme induction and inhibition 2+2
- (b) Therapeutic index 1-20V

38 lab test

Zainab Javed

GIT

SEQs

TIME: 1 HOUR

- 1.a) Classify peptic ulcer drugs? 540P Lippincott. 2.5
- ✓ b) Write down mechanism of action of omeprazole? 2.5
- Enumerate its uses? GERD → gastric ulcers, gastritis, erosive 2.5
- 2.a) Classify antiemetics? 2.5
- ✓ b) Write down mechanism of action of metoclopramide? 2.5
- 3.a) compare and contrast between heparin and warfarin? 2.5
- ✓ b) Explain mechanism of action of warfarin? Enumerate its uses and adverse effects? 2.5
- 285K
- 4. Short notes on
- ✓ a. Antacids pg # 544 Lippincott. 5
- ✓ b. Osmotic purgative 5
- ✓ c. Sucralfate pg 545 L 5

GIT promotes motility

- ipratropium.
- Tiotropium.
- acridinium.
- formoterol.
- Salmeterol.

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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? Notes 15
- b) Write down the Mechanism of action of NaHCO_3 ? Notes 3
- ✓ 2. c) Give triple regimen for eradication of H.pylori infection? Notes 2
- ✓ 2. Describe in detail mechanism of action and adverse effect of: (5+5)
- ✓ a) Omeprazole
- ✓ b) Cimetidine 5
- ✓ 3. Enumerate antidiarrheal drugs? (5+5)
- ✓ 4. Classify laxatives/purgatives according to mechanism of action? (5+5)
- ✓ Write short notes on:
- ✓ a) Metoclopramide (5+4)

✓ Lactulose

A synthetic sugar with laxative properties. It is a ~~disaccharide~~ disaccharide consisting of glucose and fructose units.

Adverse effects of succinylcholine are:

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