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2021

B.Pharm. 7th Semester (Repeater) Examination

PHARMACOLOGY - III

(Old Regulation)

Full Marks – 100

Time – Three hours

The figures in the margin indicate full marks
for the questions.

(A) Answer the following : (MCQ)

(10 × 1 = 10)

1. (i) Which of the following is not an antibiotic?

- (a) Streptomycin
- (b) Penicillin
- (c) Chloramphenicol
- (d) Cotrimoxazole

(ii) Which of the following demonstrates bacteriocidal effect?

- (a) Sulfonamides
- (b) Tetracycline
- (c) Aminoglycosides
- (d) Chloramphenicol

(iii) Which of the following drug belongs to Macrolide antibiotics?

- (a) Streptomycin
- (b) Azithromycin
- (c) Gentamycin
- (d) All of the above

[Turn over

- (iv) Which of the following antimalarial drug has gametocidal effect?
- (a) Mefloquine
 - (b) Primaquine
 - (c) Doxycycline
 - (d) Sulfonamide
- (v) Indicate the drug that can cause metabolic alkalosis
- (a) Sodium bicarbonate
 - (b) Cimetidine
 - (c) Pepto-Bismol
 - (d) Omeprazole
- (vi) The mechanism of stimulant purgative is
- (a) Increasing the volume of non absorbable solid residue
 - (b) Increasing motility and secretion
 - (c) Altering the consistency of the faeces
 - (d) Increasing the water content
- (vii) Which of the following emetic has a reflex action?
- (a) Ipecacuanha derivatives
 - (b) Apoporphine HCl
 - (c) Chlorpromazine
 - (d) Sodium Phosphate
- (viii) Ethambutol has the following side effects
- (a) Cardiotoxicity
 - (b) Immunotoxicity
 - (c) Retrobulbar toxicity, red-green colour blindness
 - (d) Hepatotoxicity

(ix) Which of the following amebicide drug is used for the treatment of asymptomatic intestinal form of amebiasis?

- (a) Chloroquine
- (b) Emetine
- (c) Diloxanide
- (d) Doxycyclin

(x) Which of the following is an Immunomodulating agent?

- (a) Thymosin
- (b) Interferon beta
- (c) Interferon gamma
- (d) All of the above

(B) Answer any six questions : (6 × 15 = 90)

2. Explain the symptoms and clinical manifestation of any three : (5 + 5 + 5 = 15)

- (a) Oranophosphorous poisoning.
- (b) Barbiturates poisoning
- (c) Opioids poisoning
- (d) Atropine poisoning

3. Classify Penicillins. Explain the pharmacology of penicillin G. Write the mechanism of action, ADR and uses of Teracyclin. Explain why tetracyclins are not safe in pregnancy. (2 + 6 + 4 + 3 = 15)

4. Classify Sulfonamides. Write the mechanism of action, ADR, and uses of cotrimoxazole. Explain why sulphamide does not work in wounds containing pus. Explain the mechanism of action, adverse effect and therapeutic uses of Fluroquinolones. (2 + 5 + 3 + 5 = 15)

5. Classify drugs used in peptic ulcer. Explain the mechanism of action, ADR and uses of proton pump inhibitors and H₂ antagonist. Write a note on combination therapy of Antacids. (2 + 5 + 5 + 3 = 15)

6. Classify antitubercular drugs. Explain the mechanism of action and adverse effect of any two first line antitubercular drug. Write a note on Antileprotic drugs. (2 + 8 + 5 = 15)

7. Classify antimalarial drugs? Explain the life cycle of malaria parasite. Explain the pharmacology of Chloquine. (2 + 7 + 6 = 15)
 8. Classify anticancer drugs. Write the general side effects of anti cancer drugs. Write the mechanism of action and uses of cyclophosphamide. Write a note on vinca alkaloids. (2 + 4 + 4 + 5 = 15)
 9. Classify antidiabetic drugs. Write a note on insulin and insulin preparation. Explain briefly sulphonylurase and GLP-1 agonist drugs. (2 + 5 + 4 + 4 = 15)
 10. Explain the oral contraceptives in details. Write a note on various thyroid inhibitors. (10 + 5 = 15)
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