

February 2009

[KU 754)

Sub. Code: 4245

FOURTH B.PHARM. DEGREE EXAMINATION

(Regulations 2004)

Candidates Admitted from 2004-05

Paper IV – PHARMACOLOGY -II

Q.P. Code : 564245

Time : Three hours

Maximum : 90 marks

I. Essay Questions : Answer any TWO questions (2 x 20 = 40)

1. Define chemotherapy. Write in detail about.
 - a) The mechanism of action and pharmacology of amino glycosidal antibiotics.
 - b) Mechanism of action β - lactum antibiotics.
2. List out various neurotransmitters and ,
 - a) Receptors involved in signal transduction with special reference to central nervous system.
 - b) Briefly explain about heavy metal poisoning.
3. Classify oral hypoglycemic agents,
 - a) And explain the pharmacology, therapeutic uses of sulfonyl urea derivatives.
 - b) Classify insulin preparations and give the dose of it

II. Write Short Notes : Answer any EIGHT questions (8 x 5 = 40)

1. Oral contraceptives.
2. Fibrinolytics.
3. Anti-Aids drugs.
4. Cotrimoxazole.
5. Bio assay of Histamine.
6. Classify anti diarrhoeal drugs.
7. Anaphylaxis.
8. Proton pump inhibitors.
9. Pharmacology of chloramphenicol.
10. Classify anti-cancer drugs.

III. Short Answers: Answer any FIVE questions (5 x 2 = 10)

1. Define Antagonism.
2. Teratogenicity.
3. Define immunopharmacology.
4. Define sub acute toxicity.
5. Define appetizers.
6. Define antacid.
7. Define anticoagulant.

August 2009

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(Regulations 2004)

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Q.P. Code : 564245

Time : Three hours

Maximum : 90 marks

I. Essay Questions : Answer any TWO questions (2 x 20 = 40)

1. a) What are the action of insulin? List out the different insulin preparation and delivery devices
- b) Explain the mechanism of action and adverse effects of oral contraceptives.
- c) Explain the pharmacological properties and therapeutic uses of oxytocin.
- d) Classify anti-thyroid drugs with example.
2. Define receptor. Write in detail about location of drug receptor. Explain briefly about G protein coupled receptor.
3. a) Classify cephalosporins with examples.
- b) Describe the mechanism of action, antibacterial spectrum and adverse effects of cofactor.
- c) Explain the use of clavulanic acid in combination with amoxycillin.

II. Write Short Notes : Answer any EIGHT questions (8 x 5 = 40)

1. Classify antihistaminic drugs with examples.
2. What is clinical evaluation? Describe the various phases of clinical evaluation.
3. Explain briefly about prostaglandins.
4. Explain the general methods for treatment of poisoning.
5. Classify antacids with examples.
6. Classify drugs used in fungal disease.
7. Mandelamine.
8. Nucleic acid synthesis inhibitors.
9. Write the clinical uses of oestrogens.
10. Explain briefly about azathioprine.

III. Short Answers: Answer any FIVE questions (5 x 2 = 10)

1. Define rhythms and cycles.
2. Define carcinogenesis with example.
3. What is antacids? Give examples.
4. Define antibiotics with examples.
5. What is the ratio combination of co-trimoxazole?
6. Write the diagnostic uses of histamine.
7. List the draw backs of penicillin.

February 2010

[KW 754]

Sub. Code: 4245

FOURTH B.PHARM. DEGREE EXAMINATION

(Regulation 2004)

(For Candidates admitted from 2004–05 onwards)

Paper IV – PHARMACOLOGY -II

Q.P. Code : 564245

Time : Three hours

Maximum : 90 marks

I. Essay Questions : Answer any TWO question. (2 x 20 = 40)

1. **a)** Classify drugs used in the therapy of constipation, add a note on the mechanism of their action. **(5)**
- b)** Classify anti emetics and explain their mechanism of action. **(5)**
- c)** Describe the mechanism of action of proton pump inhibitors. Mention their adverse effects. **(5)**
- d)** Explain briefly about anorexiant. **(5)**
2. Classify oral hypoglycemic agents. Write the pharmacological action, mode of action and toxicities of sulfonylurea derivatives.
3. Classify the different antineoplastic drugs and explain briefly the mechanism of action of each category.

II. Write Short Notes : Answer any EIGHT questions (8 x 5 = 40)

1. Define dysmenorrhoea with example.
2. Write the biological clock and its significance.
3. What are fibrinolytics? Classify them and give their therapeutic application.
4. B.A.L.
5. Write briefly about design of clinical trials.
6. Tacrolimus.
7. Explain briefly the general principles of treatment of poisoning.
8. Write note on G.Protein coupled receptor.
9. Classify drugs used in leprosy.
10. Serotonin antagonist.

III. Short Answers: Answer any FIVE questions (5 x 2 = 10)

1. What is aid resistant penicillins? Give examples.
2. Define digestants with example.
3. Write any two therapeutic uses of anticoagulants.
4. Define haematinics with example.
5. What is grave's diseases.
6. Corticotrophin.
7. Chemical antagonist.

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September 2010

Sub. Code: 4245

FOURTH B.PHARM. DEGREE EXAMINATION
(Regulations 2004)Candidates Admitted from 2004-05

Paper IV – PHARMACOLOGY -II

Q.P. Code : 564245

Time : Three hours

Maximum : 90 marks

I. Essay Questions : Answer any TWO questions. (2 X 20 = 40)

1. Explain the synthesis and functions of Thyroxine. Classify oral antithyroid drugs and explain their pharmacology.
2. Classify antibiotics. Explain antifungal and anticancer antibiotics.
3. Classify anticoagulants with examples. Explain the mechanism of action, adverse effects and uses of any two of them.

II. Write Short Notes : Answer any EIGHT questions. (8X 5 = 40)

1. Antacids.
2. Sulfonylureas.
3. Co-trimoxazole.
4. Antiplatelet agents.
5. Low molecular weight heparins.
6. Oxytocin.
7. 5 – HT Antagonists.
8. Mechanism of action of quinolones.
9. Zidavudine.
10. Acute and chronic toxicity.

III. Short Answers: Answer any FIVE questions. (5X2 = 10)

1. Define the term 'Receptor'. Give examples.
2. Define the term 'Teratogenicity'.
3. Anaphylaxis.
4. Prokinetics.
5. Lepra reaction.
6. Biological clock.
7. Gray – Baby Syndrome.

FEBRUARY 2011

[KY 754]

Sub. Code : 4245

**FOURTH B.Pharm. DEGREE EXAMINATION.
(Regulations 2004) Candidates Admitted from 2004–05**

Paper IV — PHARMACOLOGY - II

Q.P. Code : 564245

Time : Three hours

Maximum : 90 marks

I. Long Essay : Answer any TWO questions. (2 x 20 = 40)

1. (a) Classify anti tubercular drugs with examples. (5)
(b) Explain the mechanism of action, therapeutic uses and adverse effects of rifampicin. (15)
2. (a) Classify cephalosporins with examples. (5)
(b) Describe the mechanism of action, anti-bacterial spectrum, therapeutic uses and adverse effects of third generation Cephalosporins. (15)
3. (a) Classify antihistamines. (5)
(b) Describe the mechanism of action, therapeutic uses and adverse effects of second generation H₁ receptor antagonists. (15)

II. Write short notes : Answer any EIGHT questions. (8 x 5 = 40)

1. Explain the general methods for treatment of Poisoning.
2. Explain the various mechanisms by which bacteria become resistant to antimicrobial agents.
3. Antimetabolite in cancer.
4. Uses and adverse effects of macrolides.
5. Misoprostal.
6. Explain mechanism of anticoagulant action of warfarin.
7. Discuss the symptoms and treatment of Arsenic Poisoning.
8. Write note on Antacids and their uses.
9. Bulk purgatives.
10. Oxytocin.

III. Short Answers : Answer any FIVE questions. (5 x 2 = 10)

1. Name two immuno suppressive drugs
2. Name two anticancer antibiotics.
3. Define the term mutagenicity.
4. Define the term super infection.
5. Name two drugs effective against H.Pylori.
6. Name two drugs used in AIDS.
7. Tolerance.
