

[KT 545]

AUGUST 2008

Sub. Code : 4066

**SECOND M.B.B.S. DEGREE EXAMINATION**

**Revised (Non-Semester) Regulations**

**Paper VI – PHARMACOLOGY – II**

*Q. P. Code : 524066*

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 15 = 30)**

1. a. Classify anti malarial drugs.  
b. Mechanism of action and Pharmacological actions of chloroquine.  
c. Therapeutic uses and adverse effects of chloroquine.
2. a. Classify macrolide antibiotics.  
b. Write the mechanism of action and Anti bacterial spectrum of Erythromycin.  
c. Therapeutic uses and adverse effects of Erythromycin.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. Prokinetic drugs.
2. Drugs used in Bronchial Asthma and Write different techniques of Administration.
3. Fibrinolytic agents.
4. Tocolytic agents.
5. Alkylating agents and Therapeutic uses.
6. Retoconazole
7. Uricosuric Drugs.
8. Anti-Retroviral Drugs.
9. Doxycycline and their advantages over tetracyclines.
10. Flouroquinolones and their Therapeutic uses.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Adverse effects of Aminoglycosides.
2. Name two immunosuppresants and their uses.
3. Ivermectin Therapeutic uses.
4. Name two Anticancer antibiotic and write their therapeutic uses.
5. Name drugs of Third generation cephalosporin.
6. Dimercaprol.
7. Radio-active iodine.
8. Adverse effects of oral contraceptive pills.
9. Triple drug regime of peptic ulcer.
10. New routes of drug delivery system of insulin.

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**SECOND M.B.B.S. DEGREE EXAMINATION**  
**Revised (Non-Semester) Regulations**  
**Paper VI – PHARMACOLOGY – II**  
*Q. P. Code : 524066*

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 15 = 30)**

1. a. Classify penicillin group of antibiotics.  
b. Write the mechanism of action and anti bacterial actions of aminopenicillins.  
c. Therapeutic uses and adverse effects of ampicillin.
2. a. Classify anti amoebic drugs.  
b. Write the mechanism of action and anti protozoal actions of Metronidazole.  
c. Therapeutic uses and adverse effects of Metronidazole.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. Clarithromycin.
2. Mechanism and pharmacological actions of sulfonyl ureas.
3. Anti motility drugs.
4. Desferrioxamine.
5. Primaquine.
6. Ketoconazole.
7. Indications and adverse effects of oral contraceptive pills.
8. Rifampicin.
9. Uses and adverse effects of anabolic steroids.
10. Ovulation inducing agents.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Uses and toxicity of quinine.
2. Name two drugs used in motion sickness with the rationale.
3. Mention four 2<sup>nd</sup> generation cephalosporins.
4. Rationale of combining aluminium and magnesium salts in antacids.
5. Mention two anticancer antibiotics with their indication.
6. Mechanism of action of radio active iodine.
7. Name two drugs used in scabies with their route of administration.
8. Mention four inhalational corticosteroids.
9. Specific adverse effects of fluoroquinolones.
10. Mention two alpha glucosidase inhibitors and indication.

[KV 545]

AUGUST 2009

Sub. Code : 4066

**SECOND M.B.B.S. DEGREE EXAMINATION**  
**Revised (Non-Semester) Regulations**  
**Paper VI – PHARMACOLOGY – II**  
*Q. P. Code : 524066*

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 15 = 30)**

1. a. Classify drugs used in diabetes mellitus.  
b. Write the mechanism of action, uses of oral hypoglycemic drugs.  
c. Enumerate DNA recombinant derived insulins.
2. a. Define aminoglycoside antibiotics and enumerate them.  
b. Mechanism of action, common adverse effects of aminoglycosides.  
c. Write the therapeutic uses of gentamicin.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. Third generation cephalosporins.
2. Drug regimen in H.Pylori.
3. Indications and contra indications of glucocorticoids.
4. Extra malarial uses of chloroquine and its rationale.
5. Anti thyroid drugs.
6. Oral contraceptives.
7. Define chemoprophylaxis give examples with rationale.
8. Pro kinetic drugs.
9. Sucralfate.
10. Repository preparations of penicillins.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Tetracyclines not used in young children – Why?
2. Two uses of D-Penicillamine.
3. Mention two topically used sulfonamides and its uses.
4. Ondansetran as an antiemetic in cancer chemo therapy.
5. Monoclonal antibodies as carriers.
6. Two uses and two adverse effects of vitamin-D.
7. Rationale of L-Asparaginase in malignancy.
8. Mention two tocolytic agents and its uses.
9. Therapeutic use and its rationale of finasteride.
10. Two indications of mebendazole.

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**SECOND M.B.B.S. DEGREE EXAMINATION**  
**Revised (Non-Semester) Regulations**  
**Paper VI – PHARMACOLOGY – II**  
*Q. P. Code : 524066*

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 15 = 30)**

1. a) Classify anti tubercular drugs.  
b) Mechanism of action and bacterial spectrum of action of rifampicin.  
c) Explain short course treatment of tuberculosis.
2. a) Classify dopamine receptors and mention its agonists and antagonists.  
b) Write mechanism of action and pharmacological actions of metaclopramide.  
c) Therapeutic uses and adverse effects of metaclopramide.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. Proton pump inhibitors.
2. Amikacin.
3. Doxycycline.
4. Bacterial resistance.
5. Chloroquine.
6. Carbimazole.
7. Combined pill.
8. Hormone replacement therapy.
9. Fluconazole.
10. Cyclosporin.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. DHF reductase inhibitors.
2. Antianerboic antibiotics.
3. Framycetin.
4. Radio-active iodine.
5. Oxytocin.
6. GNRH analogues.
7. Diloxanate furate.
8. Bromocryptine.
9. Vinca alkaloids.
10. Folinic acid.

**SECOND M.B.B.S. DEGREE EXAMINATION**  
**Revised (Non-Semester) Regulations**  
**Paper VI – PHARMACOLOGY – II**  
*Q. P. Code : 524066*

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 15 = 30)**

1. i) Enumerate the antimetabolites used in neoplastic diseases.  
ii) Write the mechanism of action and therapeutic uses of Methotrexate.  
iii) Add a note on treatment of Methotrexate toxicity.
2. i) Classify antithyroid agents.  
ii) Mention the pharmacological actions and therapeutic uses of carbimazole.  
iii) Add a note on radioactive iodine.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. INH.
2. Management of cerebral malaria.
3. Ketoconazole.
4. Treatment of scabies.
5. Management of diabetic ketoacidosis.
6. Selective Estrogen Receptor Modulators (SERMS).
7. Newer insulin preparations.
8. Low molecular weight heparins.
9. Vitamin – D.
10. British Anti-Lewisite (BAL).

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Rationale for giving chloroquine and primaquine in acute vivax malaria.
2. Rationale for using clofazimine in lepra reaction.
3. Two Uses and Two adverse effects of metronidazole.
4. Why ciprofloxacin is contraindicated in children less than 8 yrs of age?
5. Two indications of albendazole.
6. Sulfonylureas are not effective in Type I diabetes mellitus.
7. What is grey baby syndrome?
8. Rationale for using Bromocriptine in acromegaly.
9. Ranitidine is preferred to cimetidine in peptic ulcer.
10. Cisplatin.

**SECOND M.B.B.S. DEGREE EXAMINATION**  
**Revised (Non-Semester) Regulations**  
**Paper VI – PHARMACOLOGY – II**  
*Q. P. Code : 524066*

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 15 = 30)**

1. i) Enumerate Anti Tubercular Drugs.  
ii) Write the Mechanism of Action and Adverse effects of any one standard drug.  
iii) Write briefly on short course chemotherapy.
2. i) Classify Glucocorticoids.  
ii) Mention Pharmacological actions of Glucocorticoids.  
iii) Enumerate adverse effects and uses of Glucocorticoids.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. Adverse effects and uses of Metronidazole.
2. Anticancer antibiotics.
3. Clarithromycin.
4. Insulin Resistance.
5. Therapeutic uses of oxygen.
6. Bisacodyl.
7. Adverse effects of oral contraceptive pills.
8. Ketoconazole.
9. Ivermectin.
10. Bacterial drug resistance.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Mention two Injectable contraceptives.
2. Mention two Betalactamase inhibitors and their uses.
3. Name two drugs used in Anaerobic Infections.
4. Mention four Non malarial uses of chloroquine.
5. Name two Topical & two systemic drugs used in Psoriasis.
6. Write the mechanism of action and uses of Dimercaprol.
7. Mention two differences between oxytocin and Ergometrine.
8. Rationale in the use of Cotrimoxazole.
9. Mention two Monoclonal antibodies and their uses.
10. Justify the preference of Ranitidine over Cimetidine.

**SECOND M.B.B.S. DEGREE EXAMINATION**  
**Revised (Non-Semester) Regulations**  
**Paper VI – PHARMACOLOGY – II**  
**Q. P. Code : 524066**

**Time : Three hours****Maximum: 100 Marks**

Answer **ALL** questions.  
Draw Suitable diagrams wherever necessary

**I. Essay Questions :****(2 x 15 = 30)**

1. i) What are the various methods of hormonal contraception?  
ii) Discuss the mechanism of action of hormonal contraceptives.  
iii) Mention the complications of contraceptive use.
2. i) Classify Antiamoebic drugs.  
ii) Discuss the adverse effects and indications of Nitroimidazoles used in Amoebiasis.  
iii) Write briefly on Nitazoxanide.

**II. Write Short notes on :****(10 x 5 = 50)**

1. Pyrazinamide.
2. Drugs used in TYPHOID fever.
3. Insulin resistance.
4. Diethylcarbamazine citrate.
5. Methotrexate.
6. Prednisolone.
7. Propylthiouracil.
8. Ranitidine.
9. Raloxifene.
10. Pyrimethamine.

**III. Short Answer questions :****(10 x 2 = 20)**

1. Mention two calcineurin inhibitors. Mention two uses.
2. What is Cisplatin? Mention two uses.
3. Name two conditions where multi drug therapy is indicated with antimicrobials.
4. Mention two examples each for bacteriostatic and bactericidal drugs.
5. What is the mechanism of action of Vinca alkaloids?
6. Which antithyroid drug inhibits hormone release from thyroid? Mention two uses.
7. Mention two insulin analogues.
8. Mention two Antioestrogens. Mention two indications.
9. Mention two conditions requiring Hormone replacement therapy.  
What hormones are given?
10. Name the Mast cell stabilizers. What is their role in Bronchial asthma?

**SECOND M.B.B.S. DEGREE EXAMINATION****Paper II – PHARMACOLOGY – II***Q. P. Code : 524066***Time : 180 Minutes****Maximum: 40 Marks**Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Elaborate on:****Pages Time Marks  
(Max.) (Max.) (Max.)**

- |   |    |    |    |
|---|----|----|----|
| 1. a. Classify the drugs used for the treatment of fungal infections.                       |    |    |    |
| b. Explain the mechanism of action, interactions, adverse effects and uses of Ketoconazole. | 16 | 30 | 10 |
| 2. Discuss the pharmacotherapy of Helicobacter pylori infection.                            | 8  | 20 | 5  |

**II. Write notes on:**

- |  |   |   |     |
|--|---|---|-----|
| 1. Meropenem.  | 3 | 8 | 1.5 |
| 2. Adverse effects and uses of Iodides.                        | 3 | 8 | 1.5 |
| 3. Erythrocytic schizontocidal agents.                         | 3 | 8 | 1.5 |
| 4. Enumerate the serious complications of oral contraceptives. | 3 | 8 | 1.5 |
| 5. Indications for oral hypoglycemic agents.                   | 3 | 8 | 1.5 |
| 6. Management of functional constipation.                      | 3 | 8 | 1.5 |
| 7. Gentamicin – PMMA (Polymethyl methacrylate) chain.          | 3 | 8 | 1.5 |
| 8. Management of multi drug resistant Tuberculosis (MDR-TB).   | 3 | 8 | 1.5 |
| 9. Clofazimine in Leprosy.                                     | 3 | 8 | 1.5 |
| 10. Fusion inhibitors in HIV infection.                        | 3 | 8 | 1.5 |

**III. Short Answers on:**

- |   |   |   |   |
|---|---|---|---|
| 1. Mechanism of action of Cephalosporins.                             | 2 | 5 | 1 |
| 2. Post antibiotic effect.  | 2 | 5 | 1 |
| 3. Cinacalcet.  | 2 | 5 | 1 |
| 4. Name two highly selective corticosteroids and give their 2 uses.   | 2 | 5 | 1 |
| 5. Precautions for use of tetracyclines.                              | 2 | 5 | 1 |
| 6. Special pharmacokinetic properties of Azithromycin.                | 2 | 5 | 1 |
| 7. Mechanism of action of Paclitaxel.                                 | 2 | 5 | 1 |
| 8. What is Mycophenolate Mofetil and explain its mechanism of action. | 2 | 5 | 1 |
| 9. Name four antiseborrheics.   | 2 | 5 | 1 |
| 10. Ondansetron as an antiemetic.                                     | 2 | 5 | 1 |



**SECOND M.B.B.S. DEGREE EXAMINATION**

**Paper II – PHARMACOLOGY – II**

*Q. P. Code : 524066*

**Time: Three Hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Elaborate on:**

**(2 x 15 = 30)**

1. a. Classify Anti Thyroid drugs.  
b. Adverse effects and uses of propylthiouracil.  
c. Treatment of thyroid storm.
2. a. Classify fluroquinolones.  
b. Explain the mechanism of action and uses of second generation fluroquinolones.

**II. Write notes on :**

**(10 x 5 = 50)**

1. Centrally acting muscle relaxants.
2. Complication of spinal anaesthesia.
3. Biological Response modifiers.
4. Therapeutic uses of Vitamin A.
5. Newer Macrolides.
6. Post Exposure prophylaxis of Rabies.
7. Dimercaprol.
8. Streptokinase.
9. Drugs for psoriasis.
10. Treatment of Bellodona poisoning.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Semi synthetic Penicillin.
2. Imipenem.
3. Name four Topical Anti fungals.
4. Injectable contraceptives.
5. Adverse effects of Aminoglycoside Antibiotics.
6. Oxytocin Antagonist.
7. Uses of Methotrexate.
8. Treatment of lepra reaction.
9. Enfuvirtide.
10. Intra vaginal preparations for Trchomonas Vaginalis.

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[LD 545]

AUGUST 2013

Sub. Code : 4066

**SECOND M.B.B.S. DEGREE EXAMINATION**

**Paper II – PHARMACOLOGY – II**

*Q. P. Code : 524066*

**Time: Three Hours**

**Maximum: 40 Marks**

**Answer ALL questions.**

**Draw Suitable diagrams wherever necessary**

**I. Elaborate on:**

**(2 x 7.5 = 15)**

1. a. Enumerate and discuss the pharmacology of newer insulin analogues.  
b. Add a note on insulin resistance.
2. Discuss the mechanism of action, Spectrum of activity and uses of Metronidazole.

**II. Write Notes on:**

**(10 x 1.5 = 15)**

1. PUVA (Psoralen Ultra Violet A).
2. Explain the mechanism of action & uses of Calcineurin inhibitors.
3. Bleomycin.
4. Tegaserod.
5. Pharmacotherapy of Gastro Esophageal Reflex Disease.
6. Zoledronate.
7. Emergency Contraception.
8. Gatifloxacin.
9. Name 2 Superactive GnRH agonist & what are their uses.
10. Role of corticosteroids in Tuberculosis management.

**III. Short Answers on:**

**(10 x 1 = 10)**

1. Advantages of Artemisinin based Combination Therapy (ACT).
2. Albendazole in Neurocysticercosis.
3. Oseltamivir.
4. Management of Lepra reaction.
5. Sulfasalazine as an antidiarrhoeal agent.
6. Atosiban.
7. Drugs used for Thyrotoxic crisis.
8. Chemoprophylaxis.
9. Ototoxicity produced by Aminoglycosides.
10. Vancomycin.

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**SECOND YEAR MBBS DEGREE EXAMINATION****Paper II – PHARMACOLOGY – II***Q. P. Code: 524066***Time: Three Hours****Maximum: 40 Marks**Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Elaborate on:****(2 x 7.5 = 15)**

1. a. Classify the drugs used for Diabetes Mellitus.  
b. Discuss the actions and the available preparations of insulin.
2. a. Classify the drugs used for the treatment of peptic ulcer.  
b. Discuss the mechanism of action and uses of proton pump inhibitors.

**II. Write Notes on:****(10 x 1.5 = 15)**

1. Plasma expanders
2. Drugs for Gastroesophageal reflux disease
3. Rifampin
4. Classification of anti cancer drugs.
5. Metformin
6. Therapeutic uses and adverse effects of Gonadotropins.
7. Artemisinin based combination therapy.
8. Albendazole.
9. Sitagliptin
10. Fourth generation cephalosporins

**III. Short Answers on:****(10 x 1 = 10)**

1. Mention four anticoagulants used in vitro.
2. Mention four therapeutic uses of vitamin D.
3. Give four examples of Fluroquinolones.
4. Mention four antiretroviral drugs
5. Mention four antimalarial drugs
6. Mention four contraindication for heparin.
7. Mention four HMG-COA reductase inhibitors.
8. Mention four antiamoebic drugs.
9. Mention four first line Anti tubercular agents.
10. Mention four topical antifungal drugs

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**SECOND YEAR M.B.B.S DEGREE EXAMINATION**

**Paper II – PHARMACOLOGY - II**

*Q. P. Code: 524066*

**Time: Three Hours**

**Maximum: 40 Marks**

**Answer ALL questions in the same order.**

**I. Elaborate on:**

**(2 x 7.5 = 15)**

1. Classify immunosuppressants.  
Describe the mechanism of action, adverse effects and therapeutic uses of calcineurin inhibitors.
2. Classify antimalarial drugs.  
Describe in detail about Chloroquine resistance Malaria treatment.

**II. Write Notes on:**

**(10 x 1.5 = 15)**

1. Prophylaxis of HIV infection
2. Menopausal hormone replacement therapy
3. Human insulins
4. Sulfasalazine
5. 5HT3 antagonists
6. Antipseudomonal penicillins
7. 5 alpha reductase inhibitors
8. Radioactive iodine
9. Treatment of acne vulgaris
10. Short course chemotherapy in tuberculosis.

**III. Short Answers on:**

**(10 x 1 = 10)**

1. Mechanism of action of ciprofloxacin
2. Sulfone syndrome
3. Enumerate the differences between propyl thiouracil and carbimazole
4. Emergency contraception
5. Citrovorum factor rescue
6. Enumerate the contraindications of steroids
7. Super ORS
8. Mechanism of action of omeprazole
9. Write the mechanism of action and uses of Ivermectin
10. Newer formulations of Amphotericin B.

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[LG 544]

FEBRUARY 2015

Sub.Code :4066

**M.B.B.S. DEGREE EXAMINATION  
SECOND YEAR  
PAPER II – PHARMACOLOGY II**

*Q.P. Code: 524066*

**Time: Three hours**

**Maximum : 40 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(1 x 10 = 10)**

1. Classify the drugs used for the treatment of fungal infections. Explain the mechanism of action, drug interactions, adverse effects and therapeutic uses of Griseofulvin.

**II. Write notes on:**

**(4 x 5 = 20)**

1. Low molecular weight heparin
2. British Anti lewisite
3. Drug regimen in H. Pylori
4. Lepra reaction

**III. Short answers on:**

**(5 x 2 = 10)**

1. Why imipenem is administered with cilastatin?
2. Mebendazole
3. Adverse effects of Aminoglycosides
4. Therapeutic uses of Metronidazole
5. Mechanism of action of Sulfonylureas

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[LH 545]

AUGUST 2015

Sub. Code: 4066

**SECOND M.B.B.S. DEGREE EXAMINATION**

**PAPER II – PHARMACOLOGY - II**

*Q.P. Code: 524066*

**Time : Three Hours**

**Maximum : 40 marks**

**Answer ALL questions**

**I. Elaborate:**

**(1 x 10 = 10)**

1. Classify Cephalosporins.

Discuss the mechanism of action, uses and adverse effects of Cephalosporins.

Write briefly about postantibiotic effect.

**II. Write notes on :**

**(4 x 5 = 20)**

1. Methotrexate.

2. Cotrimoxazole.

3. Clinical uses of Somatostatin and Octreotide.

4. Classify antiemetic agents.

**III. Short answers on :**

**(5 x 2 = 10)**

1. Name four microtubule damaging agents used for chemotherapy for cancer.

2. Danazol.

3. Artemisinin derivatives in Malaria.

4. Ezetimibe.

5. Thrombolytic drugs.

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[LI 545]

FEBRUARY 2016

Sub. Code: 4066

**SECOND YEAR M.B.B.S. DEGREE EXAMINATION**

**PAPER II – PHARMACOLOGY - II**

*Q.P. Code : 524066*

**Time : Three Hours**

**Maximum : 40 Marks**

**Answer ALL questions**

**I. Elaborate on:**

**(1 x 10 = 10)**

1. a) Classify Beta lactam antibiotics.
- b) Mention the mechanism of action, adverse effects and uses of Penicillins.
- c) Write briefly about Beta-lactamase inhibitors.

**II. Write notes on:**

**(4 x 5 = 20)**

1. Paclitaxel.
2. Domperidone.
3. Erythropoetin.
4. Statins.

**III. Short answers on:**

**(5 x 2 = 10)**

1. Mention four drugs for Scabies.
2. Mention the toxicities of quinolones.
3. Mention four oral hypoglycemic drugs. Mention their mechanisms of action.
4. Mention four uses of thyroid hormone.
5. Antimotility drugs.

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[LJ 544]

**AUGUST 2016**

Sub.Code :4066

**M.B.B.S. DEGREE EXAMINATION  
SECOND YEAR  
PAPER II – PHARMACOLOGY - II**

*Q.P. Code: 524066*

**Time: Three hours**

**Maximum : 40 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(1 x 10 = 10)**

1. Classify the drugs used for tuberculosis. Discuss the mechanism of action, pharmacokinetics and adverse effects of isoniazid.

**II. Write notes on:**

**(4 x 5 = 20)**

1. Vinca alkaloids
2. Oxytocin
3. Bulk purgatives
4. Prokinetic drugs

**III. Short answers on:**

**(5 x 2 = 10)**

1. Hepatitis B vaccine.
2. Vitamin K.
3. Mechanism of action of Cotrimoxazole.
4. Mention four uses of corticosteroids.
5. Mention four factors affecting the absorption of iron.

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[LK 544]

FEBRUARY 2017

Sub.Code :5062

**M.B.B.S. DEGREE EXAMINATION  
SECOND YEAR  
PAPER II – PHARMACOLOGY II**

*Q.P. Code: 525062*

**Time: Three hours**

**Maximum : 40 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(1 x 10 = 10)**

1. Classify drugs used in peptic ulcer. Discuss the mechanism of action, uses and adverse effects of proton pump inhibitors.

**II. Write notes on:**

**(4 x 5 = 20)**

1. Mechanism of action, uses and adverse effects of methotrexate.
2. Enumerate insulin analogs. Write their indications and advantages.
3. Mechanism of action, uses and adverse effects of metronidazole.
4. Bisphosphonates.

**III. Short answers on:**

**(5 x 2 = 10)**

1. Mention four drugs used for acne.
2. Write two adverse effects and two contraindications of corticosteroids.
3. Mention one use of fluconazole and write the advantage of fluconazole over ketoconazole.
4. Write four general toxicities of cytotoxic drugs.
5. Write four adverse effects of oral contraceptive pills.

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[LL 544]

AUGUST 2017

Sub.Code :5062

**M.B.B.S. DEGREE EXAMINATION  
SECOND YEAR  
PAPER II – PHARMACOLOGY II**

*Q.P. Code: 525062*

**Time: Three hours**

**Maximum : 40 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(1 x 10 = 10)**

1. Classify drugs used in the treatment of malaria. Outline mechanism of action and advantages of chloroquine. Write a note on prophylaxis of malaria.

**II. Write notes on:**

**(4 x 5 = 20)**

1. Treatment of scabies.
2. Triple regimen for H.Pylori infection.
3. Advantages and contraindications of OCP.
4. Mechanism of action and therapeutic uses and adverse effects of lovastatin.

**III. Short answers on:**

**(5 x 2 = 10)**

1. Two uses and two adverse effects of Vitamin D.
2. Mupirocin.
3. Write four immunosuppressant's and their uses.
4. Mention four newer oral anti-diabetic drugs.
5. Name two drugs used for filariasis. Mention the mechanism of action of these drugs.

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[LM 544]

FEBRUARY 2018

Sub Code: 5062

**M.B.B.S. DEGREE EXAMINATION  
SECOND YEAR  
PAPER II – PHARMACOLOGY II**

*Q.P. Code: 525062*

**Time: Three hours**

**Maximum : 40 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(1 x 10 = 10)**

1. Classify oral hypoglycemic drugs. Discuss the mechanism of action and adverse effects of metformin. Why is it used as a first choice drug in type 2 diabetes mellitus patients?

**II. Write notes on:**

**(6 x 4 = 24)**

1. Propylthiouracil.
2. Discuss the mechanism of action, pharmacokinetics, uses and adverse effects of ranitidine.
3. Antimotility drugs.
4. Discuss the mechanism of action, and adverse effects of aminoglycosides.
5. Discuss the mechanism of action, uses and adverse effects of terbinafine.
6. Discuss in detail about pharmacokinetic drug interactions with suitable examples.

**III. Short answers on:**

**(6 x 1 = 6)**

1. Mention four therapeutic uses of octreotide.
2. Mention two anti-fibrinolytic drugs and two of their uses.
3. Mechanism of action and adverse effects of atorvastatin.
4. Anti-bacterial spectrum of azithromycin.
5. Mention four therapeutic uses of rifampicin.
6. Name two drugs which are selective estrogen receptor modulators. List one therapeutic use for each.

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[LN 544]

AUGUST 2018

Sub.Code :5062

**M.B.B.S. DEGREE EXAMINATION  
SECOND YEAR  
PAPER II – PHARMACOLOGY II**

*Q.P. Code: 525062*

**Time: Three hours**

**Maximum : 40 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(1 x 10 = 10)**

1. Classify anti emetic drugs. How will you manage?
  - i) Motion sickness.
  - ii) Morning sickness.
  - iii) Drug induced postoperative nausea and vomiting (PONV).
  - iv) Anti cancer chemotherapy induced vomiting.

**II. Write notes on:**

**(6 x 4 = 24)**

1. Newer insulins.
2. Selective Estrogen Receptor Modulators (SERM).
3. Discuss the mechanism of action, indications of desferrioxamine.
4. Drugs used in gastro esophageal reflux disease.
5. Discuss the mechanism of action, pharmacokinetics, uses and adverse effects of dapsone.
6. Discuss the principle and guidelines in the treatment of HIV.

**III. Short answers on:**

**(6 x 1 = 6)**

1. Two advantages and two disadvantages of radioactive iodine.
2. Mechanism of action and uses of antioxidants.
3. Mention the mechanism of action and adverse effects of Flouroquinolones.
4. Antibacterial spectrum of cefotaxime.
5. Mechanism of action and adverse effects of cyclophosphamide.
6. Topical therapy used in psoriasis.

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[LO 544]

FEBRUARY 2019

Sub Code: 5062

**M.B.B.S. DEGREE EXAMINATION  
SECOND YEAR  
PAPER II – PHARMACOLOGY II**

*Q.P. Code: 525062*

**Time: Three hours**

**Maximum : 40 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(4 + 6 = 10)**

1. Classify beta lactam antibiotics. Enumerate the mechanism of action, adverse effects and therapeutic uses of penicillins.

**II. Write notes on:**

**(6 x 4 = 24)**

1. Mechanism of action and adverse effects of metformin.
2. Mechanism of action and therapeutic uses of metoclopramide.
3. Nucleoside reverse transcriptase inhibitors in treatment of HIV.
4. Discuss alkylating agents used as anti-cancer drugs.
5. Radioactive iodine.
6. Short course chemotherapy in the treatment of tuberculosis.

**III. Short answers on:**

**(6 x 1 = 6)**

1. Name two calcineurin inhibitors and list two uses of the calcineurin inhibitors.
2. Name two new insulin delivery devices.
3. Two uses of penicillamine.
4. Name two drugs which are third generation cephalosporins.
5. Name two drugs used in the suppressive prophylaxis of malaria.
6. Name two adverse effects of aminoglycosides.

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[LP 544]

AUGUST 2019

Sub.Code :5062

**M.B.B.S. DEGREE EXAMINATION  
SECOND YEAR  
PAPER II – PHARMACOLOGY II**

*Q.P. Code: 525062*

**Time: Three hours**

**Maximum : 40 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(4 + 2 + 2 + 2 = 10)**

1. Classify anti-tubercular drugs according to clinical utility. How will you treat?
  - a) Newly diagnosed pulmonary tuberculosis.
  - b) Previously treated pulmonary tuberculosis.
  - c) Multidrug resistant (MDR) TB.

**II. Write notes on:**

**(6 x 4 = 24)**

1. Discuss the status of oral hypoglycemic drugs in type 2 diabetes mellitus.
2. Discuss the pharmacological actions, pharmacokinetics, uses and adverse effects of oxytocin.
3. Cyclosporine.
4. Mention the mechanism of action, uses and adverse effects of ondansetron. Why is it advantageous over metoclopramide?
5. Highly active anti-retroviral therapy.
6. Mention the mechanism of action, uses and adverse effects of acyclovir.

**III. Short answers on:**

**(6 x 1 = 6)**

1. Mechanism of action and uses of finasteride.
2. Hepatitis B vaccine.
3. Justify the role of misoprostol in prevention and treatment of NSAID induced gastrointestinal injury.
4. Mention two advantages of combining antimicrobial agents with suitable examples.
5. Role of clofazimine in leprosy.
6. Mention two uses of dimercaprol. Why is urine alkalinized during dimercaprol therapy?

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[LQ 544]

FEBRUARY 2020

Sub.Code :5062

**M.B.B.S. DEGREE EXAMINATION  
SECOND YEAR  
PAPER II – PHARMACOLOGY II**

*Q.P. Code: 525062*

**Time: Three hours**

**Maximum : 40 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(2 + 3 + 1+ 2+ 2 = 10)**

1. Classify antifungal drugs. Write in detail about mechanism of action, pharmacokinetics, clinical uses and adverse effects of fluconazole.

**II. Write notes on:**

**(6 x 4 = 24)**

1. Anti-pseudomonal penicillins.
2. Deflazacort.
3. Directly observed shortcourse treatment for TB.
4. Mechanism of action, adverse events and therapeutic uses of erythromycin.
5. Prostaglandin analogues used in treatment of peptic ulcer.
6. Treatment of psoriasis.

**III. Short answers on:**

**(6 x 1 = 6)**

1. Clinical uses of desferrioxamine.
2. Name any four antiplatelet drugs.
3. Name any two selective estrogen receptor modulators and mention any two of their uses.
4. Name any two bisphosphonates and mention any two of their uses.
5. Cyclosporine.
6. Name any four antiemetics.

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