

[KD 308] APRIL 2001

M.Pharmacy DEGREE EXAMINATION.

(Revised Regulations)

First Year

Branch VII — Pharmacy Practice

Paper II — PHARMACOTHERAPEUTICS

Time : Three hours

Maximum : 100 marks

Answer ALL the questions.

All questions carry equal marks.

1. What do you mean by congestive cardiac failure (CCF)? Discuss the pathophysiology and clinical manifestations of CCF. What is the role of ACE inhibitors in CCF? (25)

2. (a) Discuss the trigger factors causing asthma. What is the role of inhaled steroids in asthma? (13)

(b) Mention the different types of anaemias. Discuss the pathophysiology of iron deficiency anaemia. (12)

3. (a) Define Acute Renal Failure (ARF). Mention its classification. Discuss the causes of ARF. (13)

(b) What is peptic ulcer? Discuss the pathophysiology, clinical manifestations and treatment of peptic ulcer. (12)

4. Write brief notes on any FIVE : (5 × 5)

(a) Drug induced blood disorders.

(b) Various types of adverse drug reactions.

(c) Rheumatoid arthritis.

(d) Insulin preparations.

(e) Pharmacotherapy of epilepsy.

(f) Pain pathways.

(g) Cancer therapy.

## NOVEMBER 2001

[KE 308]

M.Pharm DEGREE EXAMINATION.

(Revised Regulations)

First Year

Branch VII — Pharmacy Practice

Paper II — PHARMACOTHERAPEUTICS

Time : Three hours                      Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1. (a) Discuss the general prescribing guidelines for paediatric and geriatric patients. (5 + 5)  
(b) How is Adverse Drug reactions detected and documented? (8)  
(c) Discuss the pathophysiology of Inflammation. (7)
2. Discuss the therapeutic management of the following diseases :
  - (a) Asthma
  - (b) Acne
  - (c) Syphilis
  - (d) Diarrhoea. (7 + 4 + 7 + 7)
3. (a) Classify hypertension. Discuss the management of hypertensive patients. (2 + 8)  
(b) Discuss the pathophysiology and therapeutics of urinary tract infection. (5 + 5)  
(c) Write a brief note on choice of oral contraceptives. (5)

4. (a) Discuss the general principles of cancer chemotherapy. (8)

(b) Explain the correlation between pulmonary function test and Respiratory diseases. (9)

(c) Discuss the role of NSAID in pain management. (8)

## SEPTEMBER 2002

[KH 308]

M.Pharm. DEGREE EXAMINATION.

(Revised Regulations)

First Year

Branch VII — Pharmacy Practice

Paper II — PHARMACO THERAPEUTICS

Time : Three hours

Maximum : 100 marks

Answer ALL the questions.

All questions carry equal marks.

1. (a) Discuss the general prescribing guidelines for pregnant and breast feeding patients. (10)
- (b) Design an Adverse Drug Reactions reporting form. (7)
- (c) Discuss the problems of malnutrition. (8)
2. (a) Discuss the acute and chronic renal failure conditions. Write on the management of these patients. (15)
- (b) What is urinary tract infection? Write on the choice of drugs for treatment of this condition. (2 + 4)
- (c) Write a note on use of opiates in pain management. (4)

3. (a) What are pulmonary function tests? How do they help assessing respiratory disorders? (5 + 5)
- (b) Write about the management of ischaemic heart disease. (8)
- (c) Discuss the choice of drugs in diabetes mellitus. (7)
4. Discuss the therapeutic management of
  - (a) Syphilis
  - (b) Breast cancer
  - (c) Rheumatoid arthritis
  - (d) HIV patients. (6 + 6 + 6 + 7)

[KI 308] APRIL 2003

Sub. Code : 1025

M.Pharm. DEGREE EXAMINATION.

(Revised Regulations)

First Year

Branch VII — Pharmacy Practice

Paper II — PHARMACO THERAPEUTICS

Time : Three hours

Maximum : 100 marks

Answer ALL the questions.

All questions carry equal marks.

1. (a) Discuss the mechanism and treatment of inflammation. (5 + 5)

(b) Classify Adverse drug reactions with their characteristics. How are they monitored and detected? (5 + 5)

(c) Write on general prescribing guidelines for Paediatric patients. (5)

2. (a) What is Anaemia? Classify how haematological disorders are treated? (1 + 3 + 6)

(b) Discuss respiratory tract infections. How are they treated? (5 + 5)

(c) What is Glaucoma? (5)

3. (a) Discuss the pathophysiology of Hypertension. Write on the diagnosis and management of Hypertensive patients. (5 + 5 + 5)

(b) What are drug induced pulmonary diseases? How are they treated? (5 + 5)

4. Discuss the therapeutic management of (7 + 6 + 6 + 6)

(a) Acute renal failure.

(b) Epilepsy.

(c) Schizophrenia.

(d) Peptic ulcer.

**M.Pharm. DEGREE EXAMINATION.**

(Revised Regulations)

First Year

Branch VII — Pharmacy Practice

Paper II — PHARMACO THERAPEUTICS

Time : Three hours                      Maximum : 100 marks

Answer ALL the questions.

All questions carry equal marks.

1. Briefly discuss on any FIVE :                      (5 × 5 = 25)
- (a) Management of helmenthiasis
  - (b) Management of alcoholic abuse
  - (c) Anaphylactic shock management
  - (d) Management of congestive heart failure
  - (e) Modern drug delivery for colon cancer
  - (f) Management of migraine headaches
  - (g) Drug induced pulmonary diseases.

2. (a) Give the etiology and treatment of asthma.(13)
- (b) Explain about various types of Anaemias and their therapeutic management.                      (12)
3. (a) Discuss briefly etiology and treatment for tuberculosis.                      (12)
- (b) Classify hypertension and their complications. Discuss therapy of hypertension.                      (13)
4. (a) Discuss various types of epilepsy and their management. Give importance of therapeutic drug monitoring in managing such diseases.                      (12)
- (b) Give an account of management of fungal diseases with specific examples with special mention to side effects of antifungal drugs.                      (13)



[KL 308] **AUGUST 2004** Sub. Code : 1025

M.Pharm. DEGREE EXAMINATION.

(Revised Regulations)

First Year

Branch VII — Pharmacy Practice

Paper II — PHARMACO THERAPEUTICS

Time : Three hours Maximum : 100 marks

Sec. A & B : Two hours and forty minutes Sec. A & B : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL the questions.

SECTION A — (2 × 15 = 30 marks)

1. Discuss the therapeutic management of the following diseases :

- (a) Epilepsy.
- (b) Jaundice.
- (c) Rheumatoid arthoitis.

2. Discuss the pathophysiology and therapeutics of congestive cardiac failure.

SECTION B — (10 × 5 = 50 marks)

Short notes on :

3. Write a note on treatment of Protozoal Infection.
4. Suggest therapeutic management of depression condition.
5. Describe the role of pharmacists in Adverse Drug Reaction Monitoring.
6. Discuss the management of Peptic ulcer.
7. Electrolyte and fluid balance in physiological system.
8. Rational prescribing guidelines during pregnancy.
9. Classification and characteristics of Adverse Drug Reactions.
10. Use of Local anaesthetic in pain management.
11. Treatment of eye infection.
12. What is Glaucoma?

**FEBRUARY 2005**

**[KM 308]**

**Sub. Code : 1025**

**M.Pharm. DEGREE EXAMINATION.**

**(Revised Regulations)**

**First Year**

**Branch VII — Pharmacy Practice**

**Paper II — PHARMACO THERAPEUTICS**

**Time : Three hours                      Maximum : 100 marks**

**Sec. A & B : Two hours and              Sec. A & B : 80 marks  
forty minutes**

**M.C.Q. : Twenty minutes              M.C.Q. : 20 marks**

**Answer ALL questions.**

**SECTION A — (2 × 15 = 30 marks)**

- 1. Give an account of oral contraceptives and their side effects.**
- 2. Discuss various conditions of psychiatric diseases and their management.**

**SECTION B — (10 × 5 = 50 marks)**

**Write briefly on:**

- 3. Drug induced renal diseases.**
- 4. Management of glaucoma.**
- 5. Management of peptic ulcers.**
- 6. Management of ischaemic heart diseases.**
- 7. Management of hypothyroidism.**
- 8. Drug targetting for tumours.**
- 9. Management of drug abuse with any specific drug.**
- 10. Therapeutic management of eczema.**
- 11. Therapeutic management of Gonorrhoea.**
- 12. HIV infections — therapeutic management.**



[KN 308] AUGUST 2005

Sub. Code : 1025

M.Pharm. DEGREE EXAMINATION.

(Revised Regulations)

First Year

Branch VII — Pharmacy Practice

Paper II — PHARMACO THERAPEUTICS

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Long Essay : (2 × 15 = 30)

1. Explain the etiology of Diabetics and treatment of the diseases. Discuss the diabetic related complications and their management.

2. Discuss in detail the etiology of cancer. Also discuss the therapeutic and management of cancers of different organs including blood cancer.

II. Short notes : (10 × 5 = 50)

1. Management of Ischaemic heart diseases.

2. Drug induced renal diseases and renal function tests.

3. Etiology of epilepsy and its management.

4. Discuss about pain path ways and treatment of pain.

5. HIV infections : Reasons, treatment and management.

6. Examples of oral contraceptives and their mechanism of actions.

7. How are anxiety related disorders are treated and managed?

8. Etiology of tuberculosis and its management.

9. Explain the condition "Glaucoma". How is it treated? Give complications of Glaucoma.

10. Current status of Adverse drug reaction monitoring programmes in India.

**[KO 308] MARCH 2006 Sub. Code : 1025**

**M.Pharm. DEGREE EXAMINATION.**

**(Revised Regulations)**

**First Year**

**Branch VII — Pharmacy Practice**

**Paper II — PHARMACO THERAPEUTICS**

**Time : Three hours Maximum : 100 marks**

**Theory : Two hours and Theory : 80 marks  
forty minutes**

**M.C.Q. : Twenty minutes M.C.Q. : 20 marks**

**Answer ALL questions.**

**I. Long Essay : (2 × 15 = 30)**

**1. Elaborate on solid tumours in terms of aetiology affecting various organs and management with cytotoxic agents.**

**2. Discuss the management of fungal diseases with examples; mentioning the side effects of antifungal drugs.**

**II. Write briefly on : (10 × 5 = 50)**

**1. Management of Hyper lipidaemia.**

**2. Clinical diagnosis and treatment of Asthma.**

**3. Diagnosis and clinical evaluation of Acute renal failure.**

**4. Clinical features and treatment of Parkinson's diseases.**

**5. How depression is investigated and treated?**

**6. Discuss clinical manifestation, diagnosis and treatment of meningitis.**

**7. Diagnosis and treatment of leprosy.**

**8. Clinical manifestations and treatment of megaloblastic anemias.**

**9. Treatment of vomiting in post operative, chemotherapy induced and pregnancy associated.**

**10. Management of HIV infections.**

SEPTEMBER 2006

[KP 308]

Sub. Code : 2836

M.Pharm. DEGREE EXAMINATION

(Revised Regulations)

First Year

Branch VII — Pharmacy Practice

Paper II — PHARMACO THERAPEUTICS

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Long Essay :

1. Discuss pathophysiology, applied therapeutics and drugs of choice in the management of (a) congestive cardiac failure and (b) diabetes. (20)

2. Discuss the pathophysiology and pharmacotherapeutics of tuberculosis. (15)

3. Discuss therapeutic management of the following disorders : (15)

- (a) acute asthma
- (b) gastric ulcer and
- (c) diarrhoea.

II. Short notes .

(6 × 5 = 30)

1. Osteo-arthritis

2. Otitis media

3. Commonly used cytotoxic drugs

4. Glaucoma

5. Psoriasis

6. Hormone replacement therapy





SEPTEMBER 2007

[KR 334]

Sub. Code : 2870

M.Pharm. DEGREE EXAMINATION.

(Revised Regulations)

First Year

Branch VII — Pharmacy Practice

Paper II — PHARMACO THERAPEUTICS

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Long Essay :

1. Discuss the pathophysiology, applied therapeutic and drugs of choice in the management of  
(a) Hypertension (b) Thyroid diseases. (20)

2. Discuss pathophysiology and  
pharmacotherapeutics of helmenthiasis? (15)

3. Discuss the therapeutic management of the following disorders :

(a) Gastric ulcer

(b) Acute renal failure

(c) Rheumatoid arthritis. (15)

II. Short notes : (6 × 5 = 30)

1. Diabetes.

2. Epilepsy

3. Glaucoma.

4. Ache.

5. Oral contraceptives.

6. Anaemia.

**September 2008**

**[KT 334]**

**Sub. Code : 2870**

**M.Pharm. DEGREE EXAMINATION.**

**First Year**

**Regulation 2006**

**Branch VII — Pharmacy Practice**

**Paper II — PHARMACO THERAPEUTICS**

**Q.P. Code : 262870**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

**I. Long Essay : (3 × 20 = 60)**

1. Write the pathophysiology, clinical manifestations and pharmacotherapy of myocardial infarction
2. Describe the pathophysiology and transmission of pulmonary tuberculosis. Discuss the treatment regimen for the culture – positive tuberculosis.
3. Discuss the general principles of treatment of epilepsy. Write the dosing regimen and side effects of any five antiepileptic agents.

**II. Write Short notes on : (8 × 5 = 40)**

1. Complications of chronic renal failure.
2. Insulin preparations.
3. Obstructive sleep apnea.
4. Prevention of hepatitis B infection.
5. Uricosuric drugs.
6. Chemotherapy of metastatic breast cancer.
7. Pain pathways.
8. Drug induced hematological disorders.

March 2009

[KU 334]

Sub. Code: 2870

**M.PHARM. DEGREE EXAMINATION**

**(Regulations 2006)**

**Candidates admitted from 2006-2007 onwards**

**FIRST YEAR**

**Branch VII – PHARMACY PRACTICE**

**Paper II – PHARMACO THERAPEUTICS**

*Q.P. Code : 262870*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**I. Essay Questions :**

**(3 x 20 = 60)**

1. Discuss the pathophysiology, applied therpuetics and drugs of choice in the management of acquired immune deficiency syndrome.
2. Compare and contrast acute renal failure versus chronic renal failure interms of symptoms, complications and pharmacotherpuetics.
3. Discuss the pathophysiology, applied therapeutics and adverse drug reactions of schizophrenia.

**II. Write Short Notes :**

**(8 x 5 = 40)**

1. Pulmonary function tests.
2. Thrombo embolic disorders.
3. Complications of blood transfusion.
4. Sleep disorders.
5. Jaundice.
6. Pharmacotherapy of blood cancer.
7. Pharmacotherapy in breast feeding.
8. Septicaemia.

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September 2009

[KV 334]

Sub. Code: 2870

**M.PHARM. DEGREE EXAMINATION**

**(Regulations 2006)**

**Candidates admitted from 2006-2007 onwards**

**FIRST YEAR**

**Branch VII – PHARMACY PRACTICE**

**Paper II – PHARMACO THERAPEUTICS**

*Q.P. Code : 262870*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**I. Essay Questions :**

**(3 x 20 = 60)**

1. Explain the pathophysiology, symptoms and pharmacotherapy of diabetes mellitus.
2. What is the difference between asthma and COPD compare the pathophysiology and therapeutics of both diseases.
3. Discuss the general principles of treatment of AIDS. Write the dosing regimens and side effects of anti AIDS drugs.

**II. Write Short Notes :**

**(8 x 5 = 40)**

1. Management of acute renal failure.
2. Schizophrenia and extrapyramidal side effects.
3. Rheumatoid arthritis.
4. Treatment for psoriasis.
5. Prophylaxis of malaria.
6. Pathophysiology of inflammatory bowel diseases.
7. General prescribing guidelines in pregnancy.
8. Pathophysiology of hypertension.

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March 2010

[KW 334]

Sub. Code: 2870

**M.PHARM. DEGREE EXAMINATION**

**(Regulations 2006)**

**Candidates admitted from 2006-2007 onwards**

**FIRST YEAR**

**Branch VII – PHARMACY PRACTICE**

**Paper II – PHARMACO THERAPEUTICS**

*Q.P. Code : 262870*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**I. Essay Questions :**

**(3 x 20 = 60)**

1. Compare and contrast pathophysiology, clinical manifestations and pharmacotherapy of breast cancer and prostate cancer.
2. Discuss the DSM IV criteria for schizophrenia. Write an essay on treatment and side effects of antipsychotic drugs.
3. Write the pathophysiology, clinical manifestations and pharmacotherapy of congestive cardiac failure.

**II. Write Short Notes :**

**(8 x 5 = 40)**

1. Oral Antidiabetics.
2. Complications of AIDS.
3. Role of diuretics in hypertension.
4. Complications of blood transfusion.
5. Hormone replacement therapy.
6. Ulcer - discuss.
7. Pathophysiology of inflammation and repair.
8. General prescribing guidelines for paediatric patients.

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September 2010

[KX 334]

Sub. Code: 2870

**M.PHARM. DEGREE EXAMINATION**

**(Regulations 2006)**

**(Candidates admitted from 2006-2007 onwards)**

**FIRST YEAR**

**Branch VII – PHARMACY PRACTICE**

**Paper II – PHARMACO THERAPEUTICS**

*Q.P. Code : 262870*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**I. Essay Questions :**

**(3 x 20 = 60)**

1. Explain the pathophysiological basis of complication of hypertension.  
Write briefly on pharmacological and non pharmacological approaches for treatment of essential hypertension.
2. Compare and contrast the symptoms of Acute and Chronic renal failure.  
Write a note on management of chronic failure.
3. Describe the clinical manifestations of Depression, Bipolar disorder and Mania.  
Discuss the treatment guidelines for depression of Mania.

**II. Write Short Notes :**

**(8 x 5 = 40)**

1. Hyperlipidaemias.
2. Drug of choice for respiratory tract infections.
3. General prescribing guidelines for Geriatric patients.
4. Uricosuric drugs.
5. Pagets Disease.
6. Hepatites.
7. Asthma.
8. Pain pathways.

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**MAY 2011**

**[KY 334]**

**Sub. Code: 2870**

**M.PHARM. DEGREE EXAMINATION**

**(Regulations 2006)**

**(Candidates admitted from 2006-2007 onwards)**

**FIRST YEAR**

**BRANCH VII – PHARMACY PRACTICE**

**PAPER II – PHARMACO THERAPEUTICS**

*Q.P. Code : 262870*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**I. Essay Questions :**

**(3 x 20 = 60)**

- 1) Discuss the treatment pattern of different types of Tuberculosis.
- 2) Explain the various types of Anaemias and their therapeutic Management.
- 3) Discuss the pathophysiology of inflammation, use of nonsteroidal anti Inflammatory agents especially in Rheumatoid arthritis.

**II. Write Short Notes :**

**(8 x 5 = 40)**

- 1) Psoriasis.
- 2) Soluble and biphasic insulin.
- 3) Depression.
- 4) Seizures.
- 5) Management of Helminthiasis.
- 6) Osteoporosis.
- 7) Classification of Asthma.
- 8) Management of Migraine.

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