

[KV 819]

SEPTEMBER 2009

Sub. Code: 3819

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**(Regulations 2008-2009 )**

**(Candidates admitted from 2008-2009 onwards)**

**FOURTH YEAR**

**PAPER I – PHARMACOTHERAPEUTICS - III**

***Q.P. Code: 383819***

**Time: Three Hours**

**Maximum: 70 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the pathophysiology, clinical manifestations, neurochemical basis and pharmacotherapy of parkinsonism.
2. Describe the pathophysiology, clinical manifestations and pharmacotherapy of viral hepatitis including jaundice.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Opioid poisoning and its treatment.
2. Management of venous thromboembolism.
3. Management of headaches.
4. Drugs used for the treatment of alzheimer's disease.
5. Drug therapy of sleep disorders.
6. Drug therapy of status epilepticus.

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[KW 819]

MARCH 2010

Sub. Code: 3819

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**(Regulations 2008-2009 )**

**(Candidates admitted from 2008-2009 onwards)**

**FOURTH YEAR**

**PAPER I – PHARMACOTHERAPEUTICS - III**

***Q.P. Code: 383819***

**Time: Three Hours**

**Maximum: 70 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the pathophysiology, clinical manifestations and pharmacotherapy of peptic ulcer disease.
2. Give an account of the definition and classification of seizures, their characteristics and drugs employed in management. Add a note on the guidelines applicable for effective drug control to epilepsy.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Salicylate poisoning and its treatment.
2. Drugs for anxiety disorders.
3. Management of drugs induced blood disorders.
4. Prevention and management of stroke.
5. Management of neuralgias.
6. Evidence based medicine.

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[KX 819]

SEPTEMBER 2010

Sub. Code: 3819

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**(Regulations 2008-2009 )**

**(Candidates admitted from 2008-2009 / 2009-2010 onwards)**

**FOURTH YEAR**

**PAPER I – PHARMACOTHERAPEUTICS - III**

***Q.P. Code: 383819***

**Time: Three Hours**

**Maximum: 70 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. a) Discuss in detail the pathogenesis of peptic ulcer disease.
  - b) Give an account on clinical signs and symptoms and investigations involved in diagnosis of peptic ulcer disease.
  - c) Brief on the complication and treatment aspects related to peptic ulcer.
2. a) Describe the aetiology and clinical manifestations of Venous thromboembolism.
  - b) Add a note on treatment of Thromboembolism.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Enumerate on drug induced Hemolytic anaemia.
2. Classify the types of Hepatitis. Discuss the pathogenesis & treatment of viral hepatitis.
3. Discuss the pathogenesis and treatment of alcoholic liver disease.
4. Discuss etiology, clinical manifestations and treatment of Insomnia.
5. Write a pathophysiology and treatment of Parkinson's disease.
6. Discuss the different types of Schizophrenia.

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**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)****DEGREE EXAMINATION****FOURTH YEAR****PAPER I – PHARMACOTHERAPEUTICS - III***Q.P. Code: 383819***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :****Pages Time Marks  
(Max.) (Max.) (Max.)**

- |   |    |         |    |
|---|----|---------|----|
| 1. Etiology of various types of anemia and treatment of megaloblastic anemia. | 17 | 40 min. | 20 |
| 2. Pathogenesis and clinical management of Alzheimer's disease.               | 17 | 40 min. | 20 |

**II. Write notes on :**

- |  |   |         |   |
|--|---|---------|---|
| 1. Management of seizure disorder during pregnancy.                            | 4 | 10 min. | 6 |
| 2. Theories on pathogenesis of schizophrenia.                                  | 4 | 10 min. | 6 |
| 3. Pharmacological and life style management gastro esophageal reflux disease. | 4 | 10 min. | 6 |
| 4. Major adverse effects of opioid analgesics.                                 | 4 | 10 min. | 6 |
| 5. Aims and need of evidence based medicine.                                   | 4 | 10 min. | 6 |
| 6. Etiopathogenesis of various types of jaundice.                              | 4 | 10 min. | 6 |
| 7. Types of clinical presentations of inflammatory bowel disease.              | 4 | 10 min. | 6 |
| 8. Pharmacotherapy of anxiety disorder.  | 4 | 10 min. | 6 |
| 9. Types of Pain.  | 4 | 10 min. | 6 |
| 10. Drug regimens for the eradication of <i>H.Pylori</i> infection.            | 4 | 10 min. | 6 |

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**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)****DEGREE EXAMINATION****FOURTH YEAR****PAPER I – PHARMACOTHERAPEUTICS - III***Q.P. Code: 383819***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :****Pages Time Marks  
(Max.) (Max.) (Max.)**

- |  |    |         |    |
|--|----|---------|----|
| 1. Pain pathways and Pharmacological management of acute and chronic pain. | 17 | 40 min. | 20 |
| 2. Pathogenesis and pharmacotherapy Parkinson's disease.                   | 17 | 40 min. | 20 |

**II. Write notes on :**

- |   |   |         |   |
|---|---|---------|---|
| 1. Drug induced hepato cellular necrosis and cirrhosis.         | 4 | 10 min. | 6 |
| 2. Pathophysiology of iron deficiency and sideroblastic anemia. | 4 | 10 min. | 6 |
| 3. Treatment algorithm for bipolar disorder.                    | 4 | 10 min. | 6 |
| 4. Drugs used in the treatment of inflammatory bowel disease.   | 4 | 10 min. | 6 |
| 5. Complications of seizure disorder and its management.        | 4 | 10 min. | 6 |
| 6. Etiopathogenesis and management of Hepatitis A & B.          | 4 | 10 min. | 6 |
| 7. Management of ischemic stroke.                               | 4 | 10 min. | 6 |
| 8. Role of Pharmacist in evidence based medicine.               | 4 | 10 min. | 6 |
| 9. Risk factors and pathophysiology of venous thrombo embolism. | 4 | 10 min. | 6 |
| 10. Extrapyramidal side effects induced by antipsychotic drugs. | 4 | 10 min. | 6 |

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**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)****DEGREE EXAMINATION****FOURTH YEAR****PAPER I – PHARMACOTHERAPEUTICS - III***Q.P. Code: 383819***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :****Pages Time****Marks****(Max.) (Max.) (Max.)**

- |   |    |         |    |
|---|----|---------|----|
| 1. Discuss about pathophysiology, diagnosis, objective of the treatment and pharmacotherapy of Parkinson's disease. | 17 | 40 min. | 20 |
| 2. Discuss about etiopathogenesis, various types, treatment objective and pharmacotherapy of Hepatitis.             | 17 | 40 min. | 20 |

**II. Write notes on :**

- |   |   |         |   |
|---|---|---------|---|
| 1. Evidence based medicine.                   | 4 | 10 min. | 6 |
| 2. Venous thromboembolism and its management. | 4 | 10 min. | 6 |
| 3. Peptic ulcer disease.                      | 4 | 10 min. | 6 |
| 4. Epilepsy and its management.               | 4 | 10 min. | 6 |
| 5. Pain management and Pain pathways.         | 4 | 10 min. | 6 |
| 6. Drug induced Blood disorders.              | 4 | 10 min. | 6 |
| 7. Schizophrenia and its management.          | 4 | 10 min. | 6 |
| 8. Inflammatory bowel disease.                | 4 | 10 min. | 6 |
| 9. Affective disorders and its management.    | 4 | 10 min. | 6 |
| 10. Pharmacotherapy of Jaundices.             | 4 | 10 min. | 6 |

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[LC 819]

APRIL 2013

Sub. Code: 3819

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**FOURTH YEAR**

**PAPER I – PHARMACOTHERAPEUTICS - III**

*Q.P. Code: 383819*

**Time: Three Hours**

**Maximum: 100 marks**

**Answer All questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss about pathophysiology, various types, objective of the treatment and pharmacotherapy of epilepsy.
2. Discuss about etiopathogenesis, diagnosis, types, treatment objective and pharmacotherapy of Anaemias.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Pharmacotherapy of schizophrenia.
2. Types of neuralgias and its management.
3. Gastro Esophageal Reflux disease.
4. Stoke and its management.
5. Discuss on Pain pathways.
6. Drug induced Liver disorders.
7. Evidence based medicine.
8. Alzheimer's disease.
9. Alcoholic liver disease and its management.
10. Pharmacotherapy of Sleep disorder.

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[LD 819]

OCTOBER 2013

Sub. Code: 3819

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**FOURTH YEAR**

**PAPER I – PHARMACOTHERAPEUTICS - III**

*Q.P. Code: 383819*

**Time: Three Hours**

**Maximum: 70 marks**

**Answer All questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Pathophysiology of migraine headache and acute migraine therapies.
2. International classification of epileptic seizures and drug of choice for various types of seizures.

**II. Write notes on:**

**(10 x 3 = 30)**

1. Classes of drugs used in Peptic ulcer disease.
2. Classification systems for anemias.
3. Pharmacotherapy of major depression.
4. Heparins and Heparinoid.
5. Patterns of drug induced liver disease.
6. Pathophysiology and risk factors of inflammatory bowel disease.
7. Drug induced anemias.
8. Significance of evidence based medicine.
9. Classes of antipsychotic drugs.
10. Types of anxiety disorder.

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[LE 819]

APRIL 2014

Sub. Code: 3819

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**FOURTH YEAR**

**PAPER I – PHARMACOTHERAPEUTICS - III**

*Q.P. Code: 383819*

**Time: Three Hours**

**Maximum: 70 marks**

**Answer All questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define Peptic Ulcers.

Write etiology, pathophysiology and management of Peptic Ulcers.

2. Write pharmacotherapy of Epilepsy.

Add notes on Etiology, clinical manifestation and pathophysiology of Epilepsy.

**II. Write notes on:**

**(10 x 3 = 30)**

1. What is Affective disorder? Management of Affective disorder.

2. Various drugs used in Chron's disease management.

3. Management of Parkinson's disease.

4. Drug induced hepatic diseases.

5. What is evidence based medicines give examples.

6. Explain about neuralgia and its management.

7. Etiopathophysiology of macrocytic anaemia.

8. Management of schizophrenic symptoms.

9. Pathophysiology and treatment of venous thromboembolism.

10. Pathophysiology and treatment of anxiety disorders.

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[LF 819]

OCTOBER 2014

Sub. Code: 3819

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**(2009-2010 Regulation)**

**FOURTH YEAR**

**PAPER I – PHARMACOTHERAPEUTICS - III**

*Q.P. Code: 383819*

**Time: Three Hours**

**Maximum: 70 marks**

**Answer All questions**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Discuss about pathophysiology, clinical manifestations and pharmacotherapy of Stroke.
2. Pathogenesis and pharmacotherapy of Gastro esophageal reflux disease.
3. Management of Drug induced blood disorders.
4. Discuss about ethiopathogenesis and management of Jaundice.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Management of Headaches
2. Types of anaemias and its management.
3. Pharmacotherapy of obsessive compulsive disorders.
4. Discuss the different types and treatment of schizophrenia.
5. Evidence based medicine.
6. Pharmacotherapy of peptic ulcer.

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[LG 819]

APRIL 2015

Sub. Code: 3819

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**(2009-2010 Regulation)**

**FOURTH YEAR**

**PAPER I – PHARMACOTHERAPEUTICS - III**

*Q.P. Code: 383819*

**Time: Three Hours**

**Maximum: 70 marks**

**Answer All questions**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Explain about various types of Anaemia.  
Add notes on management of Vit. B12 deficiency Anaemia.
2. Explain Schizophrenia.  
Give the pharmacotherapy plan for 20 years old male patient affected with severe schizophrenia.
3. Write about the types of Inflammatory bowel disease and its management.
4. Explain various types of neuralgias and its management.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Pain management.
2. Explain level of trust involved in the evidence based medicine preparation.
3. What is migraine? Add notes on management of Migraine.
4. Viral hepatitis and its management.
5. Clinical symptoms of stroke. Explain the management of stroke.
6. Explain Narcolepsy. Pharmacotherapy for narcolepsy.

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[LH 819]

OCTOBER 2015

Sub. Code: 3819

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR**

**PAPER I – PHARMACOTHERAPEUTICS – II  
Q.P. Code : 383819**

**Time: Three Hours**

**Maximum: 70 marks**

**Answer ALL questions**

**I. Elaborate on :**

**(4 x 10 = 40)**

1. Discuss about etiopathogenesis, clinical manifestations and pharmacotherapy of Peptic ulcer disease.
2. Pathogenesis and clinical management of Alzheimer's disease.
3. Discuss about various types of Anaemia and treatment of sickle cell Anaemia.
4. Discuss the pathogenesis and treatment of Alcoholic liver disease.

**II. Write notes on :**

**(6 x 5 = 30)**

1. Discuss about etiology and treatment of sleep disorders.
2. Drugs for anxiety disorders.
3. Management of stroke.
4. Classification of antiepileptic drugs.
5. Management of venous thromboembolism.
6. Inflammatory bowel disease.

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[LI 819]

APRIL 2016

Sub. Code: 3819

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER I - PHARMACOTHERAPEUTICS – III**

*Q.P. Code: 383819*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on :**

**(4 x 10 = 40)**

1. Discuss about pathophysiology, diagnosis, objective of the treatment and pharmacotherapy of Parkinson's disease.
2. Discuss about etiopathogenesis, various types, treatment objective and Pharmacotherapy of Hepatitis.
3. Pain pathways and Pharmacological management of Acute and Chronic Pain.
4. a) Describe the aetiology and clinical manifestations of Venous Thromboembolism.  
b) Add a note on treatment of Thromboembolism.

**II. Write notes on :**

**(6 x 5 = 30)**

1. Theories on pathogenesis of Schizophrenia.
2. Aims and need of evidence based medicine.
3. Pharmacotherapy of anxiety disorder.
4. Drug induced Blood disorders.
5. Management of Ischemic stroke.
6. Pharmacological and life style management Gastroesophageal reflux disease.

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[LJ 819]

OCTOBER 2016

Sub. Code: 3819

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER I - PHARMACOTHERAPEUTICS – III**

*Q.P. Code: 383819*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Write about Inflammatory Bowel disease and write its management.
2. Write note on drug induced Blood disorders.
3. Write in detail about Epilepsy, types of Epilepsy and its management.
4. Discuss about the steps involved in collecting the evidence in evidence based medicine.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write note on antipsychotic medication used in the treatment of Schizophrenia.
2. Write note on peptic ulcer disease.
3. Write short note on pain management.
4. Write in short about Ischaemic stroke.
5. Write note on the management of viral hepatitis.
6. Discuss about the management of generalised anxiety disorder.

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[LK 819]

MAY 2017

Sub. Code: 3819

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER I - PHARMACOTHERAPEUTICS – III**

*Q.P. Code: 383819*

**Time: Three hours**

**Maximum: 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Write in detail about gastro oesophageal reflux disease.
2. Write in detail about the types of anaemia's.
3. Write about Neuralgias.
4. Write about schizophrenia and explain in detail about its management.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write about antiepileptic drugs and its side effects.
2. Write short note on the management of inflammatory bowel disease.
3. Write note on venous thromboembolism.
4. Write about jaundice.
5. What is cluster headache write its management?
6. Write note on pain pathways.

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[LL 819]

OCTOBER 2017

Sub. Code: 3819

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER I - PHARMACOTHERAPEUTICS – III**

*Q.P. Code: 383819*

**Time: Three hours**

**Maximum: 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Write the pathophysiology and pharmacotherapy of viral hepatitis including Jaundice.
2. Give an account of the definition and classification and seizures, their characteristics and drugs employed in management.
3. Write a note on clinical signs and symptoms and investigations involved in diagnosis of peptic ulcer disease.
4. Elaborate on Anxiety disorder and explain its management.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Discuss the pathogenesis and treatment of alcoholic liver disease.
2. Discuss etiology, clinical manifestations and treatment of Insomnia.
3. Drugs used for the treatment of Alzheimer's disease.
4. Management of venous thromboembolism.
5. Note on headaches.
6. Evidence based medicine.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LM 819]

MAY 2018

Sub. Code: 3819

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER I - PHARMACOTHERAPEUTICS – III**

*Q.P. Code: 383819*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Define Seizure, Epilepsy and Convulsion. List the different types of epilepsy, its pathophysiology and management.
2. a) Discuss in details affective disorder.  
b) Write the management of affective disorder.
3. Explain Parkinson's disease and its development. Add notes on the management of Parkinson's disease.
4. a) Discuss in details about evidence based medicine and its process.  
b) Discuss the PICO in question formation for evidence based medicine.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Pharmacist's common therapeutic problems in the treatment of anemia patients.
2. Write about pain management and pain pathways.
3. Management of anxiety disorder.
4. Discuss about atypical anti-psychotic drugs.
5. Drug induced blood disorder.
6. A 36 year old man who presents with a prescription for pantoprazole 40mg two times a day. He has been referred to the gastroenterologist following a 3- month history of abdominal pain for that diagnosed as peptic ulcer. In patient investigation found mild ulcer extending through most of the duodenum and most active proximally.
  - a) What monitoring should be carried out in patients starting pantoprazole for peptic ulcer?
  - b) What information about the drug should be provided to the patient?
  - c) Why it is to be taken before the food?

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LN 819]

OCTOBER 2018

Sub. Code: 3819

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER I - PHARMACOTHERAPEUTICS – III**

*Q.P. Code: 383819*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. What is Inflammatory Bowel Disease? Write its etiology, clinical manifestation and management.
2. Write a note on pathophysiology and management of Parkinsonism.
3. Explain in detail about drug induced blood disorders.
4. Write in detail about definition, types, etiology and management of stroke

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write a note on Oral anticoagulants.
2. Write a note on pathophysiology of Alzheimer's disease.
3. Management of pain.
4. Write a note on management of Hepatitis.
5. Obsessive compulsive disorder.
6. Adverse drug reactions to anti-epileptics.

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**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER I - PHARMACOTHERAPEUTICS – III**

*Q.P. Code: 383819*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Define Viral Hepatitis. List and compare the development and management of different types of viral hepatitis.
2. a) Define Schizophrenia and discuss about classification and its sign and symptoms.  
b) Write the management of Schizophrenia.
3. Explain Alzheimer's disease and its development. Add notes on the management of Alzheimer's disease.
4. a) Define Anemia. Discuss briefly the types, etiology, pathophysiology and clinical manifestation of different types of anemia.  
b) Discuss the pharmacotherapy for different types of anemia.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Pharmacist's common therapeutic problems in the treatment of inflammatory bowel disease patients.
2. What is evidence based medicine? Write about level of source of information for best evidence.
3. Management of sleep disorder.
4. Discuss about the new anti-epileptic drugs.
5. Drug induced liver disorder.
6. A 26 year old man who presents with a prescription for sulfasalazine 500mg four times a day. He has been referred to the gastroenterologist following a 3- month history of abdominal pain, diarrhoea and several episodes of rectal bleeding. In-patient investigation found mild ulcerative colitis extending through most of the large bowel and most active proximally.
  - a) What monitoring should be carried out in patients starting sulfasalazine for UC?
  - b) What information about the drug should be provided to the patient?
  - c) Why is sulfasalazine often of limited usefulness in Crohn's disease?

[LP 819]

OCTOBER 2019

Sub. Code: 3819

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER I - PHARMACOTHERAPEUTICS – III**

*Q.P. Code: 383819*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Define Parkinson's disease. Discuss the aetiology pathophysiology and management of the same.
2. Discuss the aetiology pathophysiology and management of Alcoholic Liver Disease.
3. Explain the pain pathway in detail and its management.
4. Discuss the aetiology and pathophysiology of Inflammatory Bowel Disease.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write the types of neuralgia and management of Trigeminal Neuralgia.
2. Management of Epilepsy.
3. H.Pylori eradication therapy.
4. Explain the types and management of Sleep Disorders.
5. Drug induced Blood Disorders.
6. Discuss the types and management of Jaundice.

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