

MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2012****SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE**

Monday, April 02, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Discuss in detail conduction system of the heart and discuss the clinical and ECG features of various heart blocks.

(20 marks)

2. Describe the steps involved in coagulation of blood and discuss how it is deranged in DIC.

(20 marks)

3. **Write short notes on:**

3A. 'H' Reflex

3B. Apoptosis

3C. Circle of Willis

3D. Capnography

3E. Physiology of neuromuscular transmission

3F. Gut Hormones

(10×6 = 60 marks)



MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2012****SUBJECT: PAPER II: NEUROLOGY, RESPIRATORY DISEASES, BLOOD DISORDERS
AND ENDOCRINOLOGY**

Tuesday, April 03, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Discuss aetiology, clinical features and management of non compressive myelopathy.
(20 marks)
2. Describe the aetiology, clinical manifestations, complications and management of Bronchogenic carcinoma.
(20 marks)
3. **Short Notes:**
 - 3A. Mechanism of diabetic ketoacidosis
 - 3B. Foot drop
 - 3C. Eosinophilic pneumonia
 - 3D. Sideroblastic anemia
 - 3E. Hemorrhagic pleural effusion
 - 3F. Acromegaly

(10×6 = 60 marks)



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MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER III: CARDIOVASCULAR DISEASE, GASTROENTEROLOGY,
COLLAGEN DISEASE, GENETICS, IMMUNOLOGY AND RENAL DISORDER

Wednesday, April 04, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Discuss Bilirubin metabolism. Elaborate on familial hyperbilirubinemias.

(20 marks)

2. Classify vasculitides. Discuss small vessel vasculitides.

(20 marks)

3. **Write short notes on:**

3A. Renal vein thrombosis

3B. Immunotherapy

3C. Robertsonian translocation

3D. Facies in cardiology

3E. Systemic Mastocytosis

3F. BNP

(10×6 = 60 marks)



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MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2012

**SUBJECT: PAPER IV: INFECTIOUS DISEASE, TROPICAL MEDICINE, PSYCHIATRY
AND RECENT ADVANCES**

Thursday, April 05, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Describe Chlorquine resistance and describe various combinations of antimalarial therapy and possible adverse effects of each of the combination.

(20 marks)

2. Describe, pathophysiology clinical features of Dengue Fever and Dengue haemorrhagic fever and outline the management.

(20 marks)

3. **Write short notes on:**

3A. Delirium

3B. Stem cell transplantation in haematological disorders

3C. Recent advances in management of primary hepatocellular carcinoma

3D. Multidrug resistant pulmonary tuberculosis

3E. Acute kidney injury in the ICU setting

3F. Somatostatin and its uses

(10×6 = 60 marks)

