

MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2010

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE

Monday, April 05, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✗ Answer ALL the questions.

1. Describe with a diagram conduction system of the heart. Discuss the etiology, clinical features and management of complete heart block.

(8+3+4+5 = 20 marks)

2. Describe with a diagram circle of willis. Discuss the etiology, clinical features, complications and management of subarachnoid haemorrhage.

(8+3+4+5 = 20 marks)

3. Write short notes on:

3A. Alpha-fetoprotein (AFP)

3B. Hyperkalemia

3C. Carpal tunnel syndrome

3D. Alpha₁ – Antitrypsin deficiency

3E. Methicillin Resistant Streptococcus Aureus (MRSA)

3F. Myxedema Coma

(10×6 = 60 marks)

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MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2010

**SUBJECT: PAPER II: NEUROLOGY, RESPIRATORY DISEASES, BLOOD DISORDERS
AND ENDOCRINOLOGY**

Tuesday, April 06, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Discuss on non metastatic neurological complications of malignant disease.

(20 marks)

2. Discuss osteoporosis.

(20 marks)

3. **Write short notes on:**

3A. Heparin induced thrombocytopenia

3B. Tuberculosis in HIV-Positive persons

3C. Dysautonomia

3D. Multiple endocrine neoplasia

3E. Allergic Bronchopulmonary Aspergillosis.

3F. Myelodysplastic syndrome

(10×6 = 60 marks)



Reg. No.

MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2010

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

Wednesday, April 07, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Discuss the pathophysiology of coronary occlusion and the management of acute coronary syndromes.

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(20 marks)

2. Describe the various causes of proteinuria. Discuss how will you approach and manage such patient?

(20marks)

3. Write short notes on:

3A. Hepatitis C.

3B. Antiphospholipid antibody syndrome.

3C. Genetics of type II diabetes mellitus.

3D. Diastolic dysfunction.

3E. Budd-Chiari syndrome.

3F. Psuedogout

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(10×6 = 60 marks)



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MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2010

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

Thursday, April 08, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Discuss neuro psychiatric manifestations of alcohol abuse. Write a note on the treatment of alcohol withdrawal.

(20 marks)

2. Discuss the etiopathogenesis and management of diarrhea in a patient with AIDS.

(20 marks)

3. Write short notes on:

3A. Tumour markers.

3B. Tropical splenomegaly syndrome.

3C. Diagnosis of leptospirosis.

3D. PET-CT scan

3E. Anorexia nervosa

3F. Oncogenic viruses

(10×6 = 60 marks)



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MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2010

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE

Monday, October 04, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer **ALL** the questions.

✍ Draw diagrams wherever necessary.

1. Discuss steps of normal hemostasis and approach to a patient with bleeding/thrombotic disorder.

(20 marks)

2. Discuss pathophysiology of pain and its management.

(20 marks)

3. Write short notes on:

3A. Parenteral Nutrition

3B. Hypothermia and rewarming

3C. Erectile dysfunction

3D. Mitochondrial disorders

3E. Hypoxia

3F. Metabolic acidosis and approach

(10×6 = 60 marks)

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MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2010**
SUBJECT: PAPER II: NEUROLOGY, RESPIRATORY DISEASES, BLOOD DISORDERS
AND ENDOCRINOLOGY

Tuesday, October 05, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw diagrams wherever necessary.**

1. Describe briefly the structure and function of neuromuscular junction. Discuss the management of myasthenia gravis.

(20 marks)

2. Discuss the pathophysiology and management of sleep apnoea syndrome.

(20 marks)

3. Write short notes on:

3A. Von Willbrand's disease

3B. T₃ toxicosis

3C. Reversible dementias

3D. Erythropoietin

3E. Type I respiratory failure

3F. Cushings syndrome

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(10×6 = 60 marks)



MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2010****SUBJECT: PAPER III: CARDIOVASCULAR DISEASE, GASTROENTEROLOGY,
COLLAGEN DISEASE, GENETICS, IMMUNOLOGY AND RENAL DISORDER**

Wednesday, October 06, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw diagrams wherever necessary.**

1. Enumerate the phases of Cardiac development in a fetus, name six common congenital heart diseases and mention their auscultatory findings and major ECG changes.

(20 marks)

2. Describe the clinical presentation, immunological tests, systemic complications and management of Systemic Lupus Erythematosus.

(20 marks)

3. **Write short notes on:**

3A. Viral markers in Hepatitis

3B. Uremic Syndrome

3C. Inherited Kidney diseases

3D. Gene therapy

3E. Tachycardia Cardiomyopathy

3F. Ulcerative diseases of the Intestine

(10×6 = 60 marks)

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MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2010

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

Thursday, October 07, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Draw diagrams wherever necessary.

1. Discuss the route of infection, clinical manifestations, complications and management of cryptococcal meningitis.

(20 marks)

2. Discuss toxic shock syndrome.

(20 marks)

3. Write short notes on:

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3A. Psychiatric emergencies

3B. Mepolizumab

3C. Integrase inhibitors

3D. Treatment of chronic filarial lymph oedema

3E. Extended spectrum beta lactamase

3F. Stem cell therapy

(10×6 = 60 marks)

