

Reg. No.

MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2008

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE

Tuesday, April 01, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Describe Sodium and Potassium homeostasis in health & disease and discuss approach to a case of hyponatremia.

(30 marks)

2. Write short notes on:

2A. Heart rate variability.

2B. Antiphospholipid antibody.

2C. Diagnosis and approach to intravascular hemolysis.

2D. Prevention of Nosocomial Pneumonia.

2E. Electroencephalogram.

2F. Echocardiography, basic parameters measured and interpretation.

2G. Bilirubin metabolism.

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(10×7 = 70 marks)



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MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2008

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

Wednesday, April 02, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Discuss the etiology, clinical features and management of Parkinsonism.

(30 marks)

2. Answer Briefly:

2A. Treatment of acute severe asthma.

2B. Incretins.

2C. Hypercalcemia.

2D. Non Invasive Ventilation.

2E. Macrocytic Anaemias.

2F. Iron Chelation.

2G. Endocrine Hypertension.

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(10×7 = 70 marks)



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MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2008

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

Friday, April 04, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Discuss the role of Leptin in health and disease with particular reference to obesity.

(30 marks)

2. Answer briefly:

2A. Tropical anaemias.

2B. Dysthymia.

2C. Complications of Leptospirosis.

2D. Opportunistic infections in AIDS.

2E. Lupus anticoagulant.

2F. Tumour lysis syndrome.

2G. Bosentan.

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(10×7 = 70 marks)



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MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2008

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE

Monday, October 06, 2008

Time: 3 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Outline the physiology of renin-angiotensin-aldosterone system and its application to differentiate various causes of hypertension with hypokalemia.

(30 marks)

2. Write short notes on:

2A. Discuss the rationale of Schilling's test to diagnose B₁₂ deficiency.

2B. Rationale of low dose aspirin for antiplatelet effect.

2C. Explain the drug metabolism of paracetamol in overdose to explain the hepatotoxicity.

2D. Discuss the normal clotting mechanisms and its abnormality in DIC.

2E. Discuss the clinical and ECG features of complete AV block.

2F. Discuss the role of cell mediated immunity normally and its derangement in HIV infection.

2G. Discuss the pathogenesis of diabetic ketoacidosis.

(10×7 = 70 marks)



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MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2008**
SUBJECT: PAPER II: NEUROLOGY, RESPIRATORY DISEASES, BLOOD DISORDERS
AND ENDOCRINOLOGY

Tuesday, October 07, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Describe the Etiology, Clinical features, investigation and management of Subarachnoid Haemorrhage.

(30 marks)

2. Answer briefly:

- 2A. DPP IV inhibitors.
2B. Treatment of COPD.
2C. Broncho Alveolar Lavage.
2D. Sheehan's Syndrome.
2E. Haemochromatosis.
2F. Paroxysmal Nocturnal Haemoglobinuria.
2G. Plasmapheresis.

(10×7 = 70 marks)

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MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2008

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

Thursday, October 09, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. How do you approach a patient with pancreatic disease? Discuss the aetiology, pathogenesis, clinical features, treatment and complications of acute pancreatitis.

(30 marks)

2. Write short notes on:

- 2A. Radiofrequency ablation in cardiology.
- 2B. Mixed connective tissue disorders.
- 2C. Graft versus host disease.
- 2D. Gene transfer in clinical medicine.
- 2E. Interferons.
- 2F. Creatinine clearance.
- 2G. Familial hyperlipidaemias.

(10×7 = 70 marks)



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MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2008
SUBJECT: PAPER IV: INFECTIOUS DISEASE, TROPICAL MEDICINE, PSYCHIATRY
AND RECENT ADVANCES**

Friday, October 10, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Discuss hygiene theory of Asthma in relation to its etiopathogenesis. Discuss preventive strategies in a patient prone for recurrent attacks of Asthma.

(30 marks)

2. Answer briefly:

- 2A. Acute confusion in the elderly.
2B. Preparation of a patient for splenectomy.
2C. Stem cell transplant in resistant cardiac failure.
2D. Dietary supplements.
2E. Leptin.
2F. Neuroleptic Malignant syndrome.
2G. Sildenafil: Uses and toxicity.

(10×7 = 70 marks)

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