

## MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2013

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE

Tuesday, April 02, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Describe the coagulation factors and pathways and describe how you will investigate a bleeding disorder.  
(20 marks)
2. Describe the loop of Henle and describe how urine is getting concentrated in the kidney. Describe nephrogenic diabetes insipidus.  
(20 marks)
3. Write short notes on:
  - 3A. Polymerase chain reaction
  - 3B. H Pylori and its role in medical disorders
  - 3C. Evoked potentials
  - 3D. Pulmonary function tests in obstructive airway disease
  - 3E. Antiphospholipid antibody
  - 3F. Significance of Alkaline phosphatase

(10×6 = 60 marks)



## MANIPAL UNIVERSITY

## MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2013

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

Wednesday, April 03, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer **ALL** the questions.

1. Discuss the approach to diagnosis of a 25 yr old student brought to you with a blood sugar of 320 mg/dl detected when she was investigated for changing power of spectacles.  
(20 marks)
2. Outline the differential diagnosis of new onset seizures in a 30 yr old female. Add a note on newer modalities in the treatment of uncontrolled epilepsy.  
(20 marks)
3. **Write short notes on:**
  - 3A. Transfusion reactions
  - 3B. Eosinophilic pneumonias
  - 3C. Investigation of hypercalcaemia in a 50 yr old male
  - 3D. Diagnosis and treatment of Alzheimer's disease
  - 3E. Myelodysplasia: diagnosis and treatment
  - 3F. Drug therapy of pulmonary hypertension

(10×6 = 60 marks)



## MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2013

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

Thursday, April 04, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ Answer ALL the questions.
- ✍ Write neatly, legibly and to the point.
- ✍ Draw line diagrams, flow charts and diagrams wherever appropriate.
- ✍ Write question number clearly in the margin space.
- ✍ Start answer for each question in fresh page. Write the question/brief title prior to each answer.

1. A 60 years old chronic smoker known IHD with cardiac failure on treatment has come with progressive worsening of dyspnoea and oedema of recent onset. Discuss how will you approach and manage this patient.

(20 marks)

2. List important causes of intrahepatic cholestasis. Write a note on medical management of an acute viral hepatitis patient.

(20 marks)

3. Write short notes on:

3A. Good Pasteur's disease

3B. Pharmacogenomics

3C. Medical management of post renal transplantation patient

3D. Serum Sickness: pathophysiology, clinical features and management

3E. Luupus nephritis

3F. Implantable Pacemakers (cardiac)

(10×6 = 60 marks)



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

## MANIPAL UNIVERSITY

### MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2013

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

Friday, April 05, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw neat labeled diagram whenever necessary.**

1. A 50 year old woman was brought with h/o fever, progressively worsening dyspnoea and recurrent loose stools since past 6 months. Clinical examination revealed emaciated person with oral candidiasis. She had lost her husband 2 years back due to a similar illness. Mention the most probable diagnosis and discuss how to approach this patient and manage?

(20 marks)

2. A 32 year old labourer from Bihar presents with h/o prolonged fever. He is found to have massive spleen on examination. Peripheral blood picture shows pancytopenia with monocytosis. Discuss the differential diagnosis and management of this patient.

(20 marks)

3. **Write short essays on:**

3A. Bioterrorism

3B. Mention first rank symptoms of acute schizophrenia. What are the differential diagnosis of schizophrenia and their differentiating feature from it?

3C. Newer oral anticoagulants

3D. Drug therapy of obesity

3E. Peginesatide

3F. Dual antiplatelet therapy for secondary prevention of stroke

(10×6 = 60 marks)

