

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2018**  
**SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE**

Monday, April 02, 2018

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.**
- ✍ **Use margin space only to write question number as in question paper.**
- ✍ **Start answer for each question in fresh page. Write the question/Brief title prior to each answer.**
  
- ✍ **Long Essays:**
  1. Write the applied anatomy of thyroid gland and discuss the thyroid hormone synthesis and its dysfunctions.

(15 marks)
  
  2. Discuss the conductive system of the heart and write the clinical and ECG features and treatment of ventricular arrhythmias.

(15 marks)
  
  3. **Write notes on:**
    - 3A. Complement system
    - 3B. Diagnosis of brain death
    - 3C. Toxin-mediated infections
    - 3D. Interpretation of flow volume loop
    - 3E. Renin–angiotensin–aldosterone system (RAAS)
    - 3F. Diagnosis of diseases of intrinsic pathway of coagulation cascade
    - 3G. Gut hormones
    - 3H. Referred pain
    - 3I. Aphasias
    - 3J. Memory loss

(7 marks × 10 = 70 marks)



**MANIPAL ACADEMY OF HIGHER EDUCATION****MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2018**

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

Tuesday, April 03, 2018

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.**
- Use margin space only to write question number as in the question paper.**
- Start answer for each question in fresh page. Write the question/Brief title prior to each answer.**
- Long Essays:**
1. Discuss the differential diagnosis of a patient who is 25 years old presented with fever with altered sensorium of 1 week duration. Discuss the management of meningococcal meningitis.  
(15 marks)
  2. Discuss principles and indications of mechanical ventilation. Discuss the complications of ventilation therapy.  
(15 marks)
  3. **Write short notes on:**
    - 3A. Reversible Dementias
    - 3B. Cytogenetics of CML
    - 3C. Polychromasia
    - 3D. Treatment of Prolactinomas
    - 3E. Hypoglycemia associated autonomic failure
    - 3F. Amylin analogues
    - 3G. Platelet transfusion
    - 3H. Myasthenic crisis
    - 3I. Pseudo Cushing's Syndrome
    - 3J. Replacement of Factor VIII

(7 marks × 10 = 70 marks)



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2018**  
**SUBJECT: PAPER III: CARDIOVASCULAR DISEASE, GASTROENTEROLOGY,**  
**COLLAGEN DISEASES, GENETICS, IMMUNOLOGY AND RENAL DISORDERS**

Wednesday, April 04, 2018

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.**
- ✗ **Use margin space only to write question number as in question paper.**
- ✗ **Start answer for each question in fresh page. Write the question/Brief title prior to each answer.**

✗ **Long Essays:**

1. Discuss etiology clinical features and management of acute pulmonary thrombo embolism. (15 marks)
2. A 20 year old female presents with h/o recurrent episodes of dysentery since last couple of years. She had received several courses of metronidazole, antibiotics without any benefit. Discuss the diagnosis and management of this patient. (15 marks)

3. **Short Essays:**

- 3A. A 25 year female presents with 4 + proteinuria. What is the most probable diagnosis and how to evaluate and treat her?
- 3B. Role of biological antirheumatic drugs in the treatment of rheumatoid arthritis.
- 3C. The parents of a yellow phosphorous poisoning patient in fulminant hepatic failure are requesting for all possible therapy to save her. How to manage this patient?
- 3D. An adult woman, eldest of 4 siblings presents with recurrent haematuria. She is receiving antihypertensive treatment for the past several years. Two of her siblings also receive antihypertensive therapy. On abdominal palpation both kidneys are palpable. Discuss most probable diagnosis and management of this patient.
- 3E. Parents of a Duchene muscular dystrophy child are seeking advice for their next pregnancy. How do you counsel them?
- 3F. Discuss assessment of severity of acute pancreatitis.
- 3G. Antiplatelet drug resistance
- 3H. Hepatorenal syndrome.
- 3I. A seventy year old gentleman suddenly drops down while chatting with his friend. He gets up within few seconds, does not complain of any premonitory symptoms. His ECG shows regular rhythm with a rate of 45/min and no other abnormality. What is the most probable diagnosis and how do you manage this patient?
- 3J. Assessment of malabsorption.

(7 marks × 10 = 70 marks)



**MANIPAL ACADEMY OF HIGHER EDUCATION****MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2018****SUBJECT: PAPER IV: INFECTIOUS DISEASE, TROPICAL MEDICINE, PSYCHIATRY  
AND RECENT ADVANCES**

Thursday, April 05, 2018

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.
- ✍ Use margin space only to write question number as in question paper.
- ✍ Start answer for each question in fresh page. Write the question/Brief title prior to each answer.
- ✍ **Long Essay:**
1. Discuss the differential diagnosis of fever with chills and rigors with Hypotension. How will you manage a patient of infective Endocarditis?  
(15 marks)
2. Mention the intestinal Helminths and discuss the complications produced by intestinal Helminths. Discuss the management of Strongyloidosis.  
(15 marks)
3. **Write short notes on:**
- 3A. Bipolar Disorder
- 3B. Larva migrans
- 3C. Black Water Fever
- 3D. Diethyl Carbamazine
- 3E. MRSA Infection
- 3F. HIV Vaccine
- 3G. Lepra Reaction
- 3H. Parvo virus Infection
- 3I. Renal denervation therapy for hypertension
- 3J. Caspofungins

(7 marks × 10 = 70 marks)

