

MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2014****SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE**

Tuesday, April 01, 2014

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 patho physiology of shock. Discuss approach to management of septic shock (current surviving sepsis guidelines).

(15 marks)

2. Discuss structure and functions of pericardium. Discuss hemodynamic changes in constrictive pericarditis. Discuss briefly clinical features and differential diagnosis of cardiac tamponade.

(15 marks)

3. Write short notes on:

- 3A. Ambulatory blood pressure monitoring
- 3B. SGLT 2 inhibitors in diabetes management
- 3C. Biological theory of ageing
- 3D. Hypoxia mechanisms and management
- 3E. Schilling test
- 3F. Hereditary hemochromatosis
- 3G. Insulin like growth factors
- 3H. Neurally mediated syncope
- 3I. Renal tubular acidosis
- 3J. Neuroendocrine tumors

(7 × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2014**

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

Wednesday, April 02, 2014

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. Define ataxia. Discuss in detail clinical features and mangment of acute disseminated encephalomyelitis (ADEM).

(15 marks)

2. A 45 year old female is admitted with history of polyuria of 3 months duration. Discuss various causes and approach to diagnosis and management of Diabetes insipidus.

(15 marks)

3. Write short notes on:

- 3A. Hairy cell leukaemia
- 3B. Caplan's syndrome
- 3C. BODE index in COPD
- 3D. Degludac
- 3E. Disease modifying therapy in relapsing multiple scerosis
- 3F. Hemolytic uraemic syndrome
- 3G. Ventilatory strategies in Acute Respiratory Distress Syndrome (ARDS)
- 3H. Steriod resistant asthma
- 3I. Management of primary myelofibrosis
- 3J. Mollaret's meningitis

(7×10 = 70 marks)



MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2014****SUBJECT: PAPER III: CARDIOVASCULAR DISEASE, GASTROENTEROLOGY,
COLLAGEN DISEASES, GENETICS, IMMUNOLOGY AND RENAL DISORDERS**

Thursday, April 03, 2014

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. Describe the various mechanisms resulting in Cirrhotic Ascites. Discuss the management of Cirrhotic ascites.

(15 marks)

2. Classify systemic vasculitis. Describe how will you approach a patient of large vessel vasculitic disorder.

(15 marks)

3. Write short notes on:

3A. Dilated cardiomyopathies

3B. Overlap syndrome

3C. Anti GBM Disease

3D. Western blot technique

3E. Selective Proteinuria

3F. CD₄ count and its significance

3G. Normal acid base homeostasis. Add a note on hyperchloremic metabolic acidosis.

3H. Antibiotic associated colitis

3I. Acute intermittent porphyria

3J. JNC VIII recommendation for systemic hypertension. Add a note on resistant hypertension.

(7×10 = 70 marks)



MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2014****SUBJECT: PAPER IV: INFECTIOUS DISEASE, TROPICAL MEDICINE, PSYCHIATRY
AND RECENT ADVANCES**

Friday, April 04, 2014

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. A 50 year male farmer from Shimoga presents with h/o 7day's fever, headache, jaundice and reduced urine output since 2 days. On examination found to be anaemic, jaundiced and has several petechiae. Discuss the differential diagnosis, approach to and treatment of this patient.
(15 marks)
2. A sputum positive pulmonary tuberculosis patient remains positive even after 6 months of ATT in a DOTS centre has been referred for advice. How to evaluate and treat this patient?
(15 marks)

✍ Write short notes on:

- 3A. Compensatory antinflammatory response syndrome.
- 3B. Discuss the management of an elderly woman who c/o difficulty in breathing due to her persistent fear that her stomach has disappeared and abdomen is too small to hold air.
- 3C. Recent advances in coronary revascularisation treatment.
- 3D. SGLT 2 inhibitors in the treatment of diabetes mellitus.
- 3E. Pre exposure HIV prophylaxis
- 3F. Newer antiepileptic drugs
- 3G. Discuss Look AHEAD study
- 3H. Newer antistaphylococcal antibiotics
- 3I. Differential diagnosis and treatment of sexually transmitted genital ulcers.
- 3J. Briefly discuss salient features of JNC 8 Guidelines on treatment of hypertension.

(7×10 = 70 marks)

