

MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2016****SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE**

Monday, October 17, 2016

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 physiology of ventilation and perfusion (gas exchange) in normal lung and disorders of ventilation perfusion with examples. Briefly discuss spirometry findings and flow loops in obstructive and restrictive lung diseases. (15 marks)

2. Discuss iron metabolism in detail. Discuss in detail evaluation of anemia in middle aged female. (15 marks)

3. Write short notes on:

3A. Cytokines and cytokine receptors

3B. Prolactin

3C. Clinical implications of cerebral auto regulation

3D. Alpha1 antitrypsin deficiency

3E. Tests of pancreatic exocrine function

3F. Congenital hyperbilirubinemia syndromes

3G. Tumour markers

3H. Hypercalcemia causes and approach to diagnosis

3I. Neuroanatomy of basal ganglion and basis of drug therapy of extrapyramidal syndromes

3J. Pre excitation syndromes: pathophysiology and medical management

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2016**

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

Tuesday, October 18, 2016

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. Definition, etiopathogenesis of status epilepticus. Outline management of status epilepticus. Enumerate newer anti epileptic drugs and current status. (15 marks)

2. Definition and risk factors of hospital acquired pneumonia. Outline management and preventive strategies of ventilator associated pneumonia. (15 marks)

3. Write short note on:

3A. Fasting hypoglycemia

3B. GLP-1 agonists

3C. Management of Polycythemia Vera

3D. Hashimoto's encephalopathy

3E. Parental anticoagulants

3F. Management of Myasthenic crisis

3G. Idiopathic Pulmonary Fibrosis

3H. Evaluation of osteoporosis

3I. Precocious Puberty

3J. M band:significance in various disorders

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2016****SUBJECT: PAPER III: CARDIOVASCULAR DISEASE, GASTROENTEROLOGY,
COLLAGEN DISEASES, GENETICS, IMMUNOLOGY AND RENAL DISORDERS**

Wednesday, October 19, 2016

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 diagnostic evaluation, risk stratification and treatment of unstable angina and non ST elevation myocardial infarction. (15 marks)

2. Describe the causes, clinical approach and management of chronic diarrhea. (15 marks)

3. Short Essays:

3A. Inherited mitochondrial disorders

3B. Systemic mastocytosis

3C. Diagnosis and differential diagnosis of Sjogren's syndrome

3D. Therapy of chronic hepatitis B

3E. Alport's syndrome

3F. Tubulointerstitial nephritis with uveitis (TINU)

3G. Primary sclerosing cholangitis

3H. Tests of exocrine pancreatic function

3I. DNA fingerprinting

3J. Complex regional pain syndrome

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2016**
SUBJECT: PAPER IV: INFECTIOUS DISEASE, TROPICAL MEDICINE, PSYCHIATRY
AND RECENT ADVANCES

Thursday, October 20, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. A 55 year old male has been brought to casualty with history of fever, rash and hypotension. Discuss the differential diagnosis and management of this patient.

(15 marks)

2. Discuss JNC 8 report on hypertension treatment. How does it differ from JNC 7 report?

(15 marks)

3. **Write short notes on:**

3A. Panic disorder

3B. Swine flu

3C. Newer anticoagulants

3D. Tropical sprue

3E. Mellioidosis

3F. Insulin Degludec

3G. Snake bite

3H. Catatonia

3I. Haemorrhagic fever

3J. XDR tuberculosis

(7 marks × 10 = 70 marks)

