

MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2016

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE

Monday, April 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 question paper.
- ✍ Start answer for each question in fresh page. Write the question/Brief title prior to each answer.

✍ Long Essays:

1. Discuss the different parts of cerebellum and their connections. Discuss how will you approach a patient of imbalance of walking.

(15 marks)

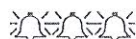
2. Describe a portal triad. Discuss different mechanisms of development of Portal Hypertension. Outline management of portal hypertension.

(15 marks)

3. Write short notes on:

- 3A. Significance of Adenosine Deaminase
- 3B. Hormones in obesity
- 3C. Von Willebrand Factor
- 3D. Ejection Fraction
- 3E. Arginine Vasopressin (AVP)
- 3F. Glucagon and its significance
- 3G. Hemoperfusion
- 3H. Pathophysiology of cerebral edema
- 3I. Viral set point
- 3J. Renal Glycosuria

(7 marks × 10 = 70 marks)



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MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2016

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

Tuesday, April 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.
- ✍ 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.

✍ **Long Essays:**

1. Discuss 'comatose patient in emergency room'.

(15 marks)

2. Discuss obstructive sleep apnoea.

(15 marks)

3. **Write short notes on:**

3A. Essential thrombocytosis

3B. Pathophysiology of PNH

3C. Merits and demerits of insulin secretagogues

3D. Melatonin

3E. ARDS – newer approaches in management

3F. Reversible factors in a patient with features of Dementia

3G. Investigation algorithm in a case of male Hypogonadism

3H. Pathophysiology in poly cystic ovarian disease (PCOD)

3I. Current therapeutic options in Chronic Myeloid Leukaemia

3J. Outline treatment of Multiple Sclerosis

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2016

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

Wednesday, April 20, 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 the etiology, pathophysiology and manifestations of tachyarrhythmias. Outline the diagnosis and principles of treatment of atrial arrhythmias.

(15 marks)

2. Discuss the diagnosis and treatment of chronic hepatitis.

(15 marks)

3. Write short notes on:

- 3A. Plaque stabilizing agents
- 3B. Primary amyloidosis
- 3C. Reactive arthritis
- 3D. Epigenetic silencing
- 3E. CNS lupus
- 3F. Treatment for Rheumatoid arthritis beyond DMARDs
- 3G. Drug induced pancreatitis
- 3H. Renal artery stenosis
- 3I. Necroptosis
- 3J. Tyrosine kinases as targets

(7 marks × 10 = 70 marks)



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

Thursday, April 21, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**✍ **Essay Questions:**

1. Discuss the etiopathogenesis and management of diarrhoea in patients with AIDS. (15 marks)
2. Discuss the neuro-psychiatric manifestations in alcohol withdrawal. (15 marks)
3. **Write short notes on:**
 - 3A. Diagnosis of typhoid fever
 - 3B. Treatment of complicated falciparum malaria in pregnancy
 - 3C. Psychiatric manifestations of endocrine disorders
 - 3D. Adult immunization
 - 3E. Procalcitonin
 - 3F. Tumour markers
 - 3G. CT scan and cardiac diagnosis
 - 3H. Recent advances in the management of refractory heart failure
 - 3I. Role of vitamin D in health and diseases
 - 3J. Diagnosis and management of dengue fever

(7 marks × 10 = 70 marks)

