

Reg. No.

MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2017

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE

Monday, April 03, 2017

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 important gut Hormones. Explain their role in glucose homeostasis. (15 marks)

2. Discuss vascular endothelium in health and disease. (15 marks)

3. **Write short notes on:**

- 3A. Endocrine manifestation of non-endocrine diseases
- 3B. Evidence Based Medicine
- 3C. Pain Syndromes
- 3D. Cell Death
- 3E. Portal Vein
- 3F. WHO definition of Health
- 3G. Endorphins
- 3H. Role of normal gut flora in health
- 3I. Adipocyte functions
- 3J. Thymus in health and disease

(7 marks × 10 = 70 marks)



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MANIPAL UNIVERSITY

MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2017

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

Tuesday, April 04, 2017

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. Write the Hypothalamic-pituitary-adrenal axis. How do you approach to a case of Cushing syndrome?
(15 marks)
2. A 50 years old man admitted with history of paraplegia of one day duration. Mention the differential diagnosis and how do you approach this patient?
(15 marks)
3. **Write short notes on:**
 - 3A. Subclinical thyroid diseases
 - 3B. Microangiopathic hemolytic anemia (MAHA)
 - 3C. Hypersensitivity pneumonitis
 - 3D. Chronic Meningitis
 - 3E. Incidentalomas
 - 3F. Health care-Associated pneumonia
 - 3G. Adipsic Hyponatremia
 - 3H. TTP
 - 3I. Neurological Para neoplastic syndromes
 - 3J. Monoclonal gamapathies

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2017****SUBJECT: PAPER III: CARDIOVASCULAR DISEASE, GASTROENTEROLOGY,
COLLAGEN DISEASES, GENETICS, IMMUNOLOGY AND RENAL DISORDERS**

Wednesday, April 05, 2017

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. Classify Systemic Vasculitis. Discuss the aetiology, clinical features and management of Wegener's Granulomatosis.

(15 marks)

2. Discuss the etiology, clinical features and management of infective Endocarditis.

(15 marks)

3. Write short notes on:

- 3A. Diastolic heart failure
- 3B. Fatty liver
- 3C. Rheumatoid lung
- 3D. Ig A nephropathy
- 3E. Diagnosis of renal artery disease
- 3F. Hypertriglyceridemia
- 3G. Drug induced hepatitis
- 3H. Management of unstable angina
- 3I. Investigation and management of sarcoidosis
- 3J. Describe complications of acute pancreatitis

(7 marks × 10 = 70 marks)



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MD (GENERAL MEDICINE) DEGREE EXAMINATION – APRIL 2017

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

Thursday, April 06, 2017

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. Describe the various manifestations of Staphylococcus aureus infection. How will you investigate and treat a patient with MRSA infection?

(15 marks)

2. Describe acute seroconversion syndrome of HIV infection. Discuss various prophylaxis against secondary infection in a patient of AIDS.

(15 marks)

3. **Write short notes on:**

- 3A. Chronic fatigue syndrome
- 3B. Stem cell therapy in cardiac disorder
- 3C. Pseudomonas pseudomallei infection
- 3D. Dysthymia
- 3E. Tropical pulmonary eosinophilia
- 3F. Genetic factors in Diabetes Mellitus
- 3G. Physiology of circadian rhythmicity. Add a note on insomnia
- 3H. Diagnosis and treatment of rickettsial diseases
- 3I. Polymyxins
- 3J. Nocardiosis

(7 marks × 10 = 70 marks)

