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MANIPAL ACADEMY OF HIGHER EDUCATION
MD (GENERAL MEDICINE) DEGREE EXAMINATION – JULY 2023

PAPER I

Monday, July 03, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer all questions.**

✍ **Long Questions**

1. Discuss theories of ageing and discuss changes in organs and organ systems in ageing.
Mention interventions that help in prevention of ageing

(15 marks)

2. Describe pathophysiology of Type 2 Diabetes Mellitus

(15 marks)

3. **Write Short Notes on:**

3A. Serious adverse drug reaction

3B. Chi Square test

3C. Extended Spectrum Beta Lactamases

3D. Lymphatic Drainage of lungs

3E. Conduction system of the heart with reference to Pre excitation syndrome

3F. Pancreatic function tests

3G. Electromyography

3H. Immunohistochemistry

3I. Creatinine clearance

3J. Brain Natriuretic polypeptide (BNP)

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MD (GENERAL MEDICINE) DEGREE EXAMINATION – JULY 2023

PAPER II

Tuesday, July 04, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer all the questions.**

✍ **Long Questions:**

1. Define Nosocomial Pneumonia. Discuss risk factors, aetiology and clinical features and management of nosocomial pneumonia. Add a note on prevention.

(15 marks)

2. Discuss management guidelines for acute ischemic stroke.

(15 marks)

3. **Write Short Notes on:**

3A. Management of ITP

3B. SGLT2 inhibitor

3C. Subclinical hypothyroidism

3D. Auto immune hemolytic anemia

3E. Newer antiepileptic agents

3F. Treatment of COPD

3G. Management of Myelodysplastic syndrome

3H. LOOK AHEAD Study Results

3I. Parenteral Iron Therapy

3J. Bariatric surgery

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MD (GENERAL MEDICINE) DEGREE EXAMINATION – JULY 2023

PAPER III

Wednesday, July 05, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer all the questions.**

✍ **Essay Questions:**

1. Discuss etiology, classification, clinical manifestations and management of Reno-vascular hypertension.

(15 marks)

2. Describe the etiology, clinical features, complications and management of ulcerative colitis.

(15 marks)

3. **Write short notes on:**

3A. IgA nephropathy

3B. Microscopic polyangitis

3C. Y linked inheritance

3D. Immunotherapy in Rheumatoid arthritis

3E. Sick sinus syndrome

3F. IgG4-related disease

3G. Cholestatic jaundice

3H. Libman- Sacks endocarditis

3I. Budd-chiari syndrome

3J. Mitochondrial genes

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MD (GENERAL MEDICINE) DEGREE EXAMINATION – JULY 2023

PAPER IV

Thursday, July 06, 2023

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**

✍ **Essay Questions:**

1. Discuss the differential diagnosis of Fever with thrombocytopenia.

(15 marks)

2. Discuss the etiology, clinical features, investigations and treatment of Multi Drug Resistant tuberculosis.

(15 marks)

3. **Write short notes on:**

3A. Visceral larva Migrans

3B. Chronic fatigue syndrome

3C. Immune reconstitution syndrome

3D. Parvo Virus infection

3E. Disseminated strongyloidosis

3F. Gene Therapy

3G. Panic attack

3H. Alcohol withdrawal

3I. Pharmacogenomics

3J. Soluble triggering receptor expressed on myeloid cells-1(sTREM)

(7 marks × 10 = 70 marks)

