

MANIPAL ACADEMY OF HIGHER EDUCATION
MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2019
SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO MEDICINE

Tuesday, October 08, 2019

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 anatomy of circle of Willis and physiology of cerebral circulation. Discuss your approach to a patient with TIA.

(15 marks)

2. Describe the conducting system of the heart. Discuss the clinical features and management of complete heart block.

(15 marks)

3. **Write short notes on:**

3A. Normal Anion Gap Acidosis

3B. Cluster Headache

3C. Microscopic Hematuria

3D. Alopecia

3E. Pathways of Pain Transmission

3F. Hyperpyrexia

3G. Falls in elderly

3H. Spontaneous hypoglycemia

3I. Granulocyte dysfunction

3J. Interpretation of ANA

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2019****SUBJECT: PAPER II: NEUROLOGY, RESPIRATORY DISORDERS, BLOOD DISORDERS AND ENDOCRINOLOGY**

Wednesday, October 09, 2019

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. A 55 year male presents with h/o recurrent haemoptysis. Mention the approach to this patient. Further radiological evaluation reveals a cavity with a round opacity inside. Mention the differential diagnosis and discuss the management of this patient.

(15 marks)

2. A middle aged woman without any significant previous medical illness presents with recurrent episodes of palpitations and sweating relieved by food intake. Discuss the approach to and treatment of this patient.

(15 marks)

3. Short Answer questions:

3A. An elderly person presents to emergency in altered sensorium. His serum calcium level is 16 mg/dl. Discuss differential diagnosis and the management.

3B. A 45 year female patient presents with huskiness of voice since 1 month which is more prominent towards evening. On examination she was noted to have bilateral ptosis, normal tongue and palatal movements. Few days later she had to be intubated and mechanically ventilated. Discuss the management of this patient.

3C. Discuss the treatment of chronic myeloid leukaemia

3D. A 65 year old patient is brought with h/o recurrent falls following trivial tripping. How do you evaluate and treat this patient?

3E. Carcinoid syndrome-clinical features, diagnosis and treatment

3F. Discuss iron kinetics in health and iron deficiency.

3G. Myelodysplastic syndromes

3H. Discuss recent advances in the treatment of cystic fibrosis.

3I. Discuss recent advances and controversies in incretin based therapy.

3J. Drug therapy of pulmonary hypertension

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

MD (GENERAL MEDICINE) DEGREE EXAMINATION – OCTOBER 2019

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

Friday, October 11, 2019

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. A 35 year old male is admitted with 1 week history of fever, generalized erythematous rash. How do you evaluate this case to arrive at diagnosis and manage this case?
(15 marks)

2. Discuss in detail etiology, risk factors, clinical manifestations & management of Acinetobacter infections.
(15 marks)

3. Write short notes on:

- 3A. Applications of stem cell therapy in clinical medicine.
- 3B. Vaccine against HIV infection
- 3C. Somatoform disorders
- 3D. XDR Tuberculosis
- 3E. Levasimendan
- 3F. NDM1 resistant infections
- 3G. Renal denervation therapy
- 3H. AIM HIGH study results and relevance in clinical practice
- 3I. Catatonia
- 3J. Artemisinin combination Therapy

(7 marks × 10 = 70 marks)

