

MANIPAL ACADEMY OF HIGHER EDUCATION
FINAL MBBS PART – II DEGREE EXAMINATION – OCTOBER 2020
SUBJECT: MEDICINE: PAPER – I (ESSAY)

Tuesday, October 06, 2020

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

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- ✍ **Answer all the questions**
 - ✍ **Write only question number in margin space as it appears in question paper**
 - ✍ **Write answers in same order as they appear in question paper**
 - ✍ **Answer to the point, neatly and legibly**
 - ✍ **Write question or brief title above to each answer**
 - ✍ **Use line diagrams and flow charts where appropriate**
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- ✍ **Long questions:**
 1. A female patient aged 25 years presents with dyspnea and palpitation. On examination she has irregularly irregular pulse, tapping apical impulse and mid-diastolic murmur at apex. What is the likely diagnosis? What is the pathophysiological basis for her symptoms and signs? What are the complications of this condition? How do you investigate and this patient?
(1+3+2+4 = 10 marks)
 2. Discuss the etiology, clinical features, complications and management complications of community acquired pneumonia.
(2+3+1+4 = 10 marks)
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- 3. **Write Short notes on the following:**
 - 3A. Diagnosis and treatment of disseminated intravascular coagulation
 - 3B. Mention TWO causes for microcytic hypochromic anemia with low ferritin in a male patient aged 65 years
 - 3C. Mention 4 causes for exudative pleural effusion. Mention 4 points which help in differentiating transudate from exudate.
 - 3D. Mention two severe complications of falciparum malaria and outline the treatment of severe falciparum malaria.
 - 3E. A male patient aged 60 year presents with symptoms of loose stools with blood and mucus associated with severe tenesmus 2 weeks after returning from pilgrimage. One week later he develops right upper abdominal pain and high grade fever. How to investigate and treat this patient.
 - 3F. Clinical features of Covid 19 (SARS Corona virus 2) infection.
 - 3G. Causes and Clinical features of focal segmental Glomerulosclerosis
 - 3H. What are the indications for renal replacement therapy in chronic kidney disease?

- 3I. A known case of retroviral disease on irregular treatment presents with few days history of fever, cough and severe breathlessness. His chest X- ray shows bilateral perihilar opacities. His CD4 lymphocyte count is 120/mm³? What is the diagnosis and outline the treatment?
- 3J. Clinical features of Non-Hodgkin's lymphoma
- 3K. What are the causes of hyponatremia? Mention principles of sodium correction in chronic hyponatremia.
- 3L. What is anion gap? What is its clinical utility?
- 3M. Hypertrophic cardiomyopathy (HOCM) clinical features and treatment
- 3N. Describe mode of transmission, incubation period and pathogenesis of cholera.
- 3O. A 60 year old male presents with h/o recurrent episodes of syncope since 2 months. His pulse rate is 36/minute, regular. Neck shows occasional canon waves. Cardiovascular examination except for bradycardia is normal. What is the diagnosis and how to investigate and treat him?

(4 marks × 15 = 60 marks)



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SUBJECT: MEDICINE: PAPER – II (ESSAY)

Wednesday, October 07, 2020

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

- ✍ **Answer all the questions**
- ✍ **Write only question number in margin space as it appears in question paper**
- ✍ **Write answers in same order as they appear in question paper**
- ✍ **Answer to the point, neatly and legibly**
- ✍ **Write question or brief title above each answer**
- ✍ **Use line diagrams and flow charts where appropriate**

✍ **Long questions:**

1. A 60 year old male presented with sudden onset of weakness of left half of the body with deviation of angle of the mouth to the right side. He was a known Hypertensive and had associated head Ache, vomiting and altered sensorium.

What is the likely diagnosis?

Discuss the aetiology, clinical features, investigations and treatment of the same.

(2+2+2+2+2 = 10 marks)

2. Discuss the aetiology, clinical features investigations and management of Acute Viral Hepatitis.

(2+3+3+2 = 10 marks)

3. **Write Short notes on the following:**

- 3A. Treatment of status epilepticus
- 3B. Explain FOUR complications of Graves' disease
- 3C. What is X-linked recessive Disease? Mention TWO examples.
- 3D. Treatment of Leprosy
- 3E. Clinical Manifestations of Hypoglycaemia
- 3F. Diagnostic criteria for SLE
- 3G. Wet Beriberi
- 3H. CSF findings in Bacterial Meningitis
- 3I. Treatment of Paracetamol Overdosage
- 3J. DPP₄ Inhibitors
- 3K. Explain 4 complications acute pancreatitis
- 3L. Disease modifying drugs in Rheumatoid Arthritis
- 3M. Clinical Manifestations of Crohn's Disease
- 3N. Steven Johnson Syndrome
- 3O. Primary Hyper Aldosteronism

(4 marks × 15 = 60 marks)

