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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**FINAL MBBS PART – II DEGREE EXAMINATION – JULY 2022**

**SUBJECT: MEDICINE: PAPER – I (ESSAY)**

(2017-18 Batch – Repeater)

Thursday, July 14, 2022

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 to each answer
- ✍ Use line diagrams and flow charts where appropriate

✍ **Long questions:**

1. What are the clinical features of unstable angina? How will you investigate and treat a patient who has unstable angina? List the complications of myocardial infarction.  
(3+4+3 = 10 marks)

2. A 45 year old man presents with fever of 5 days duration, with jaundice, and a rash. List 4 common conditions with this clinical picture. Mention the investigations that will help to arrive at a diagnosis? Outline the treatment of leptospirosis.  
(2+4+4 = 10 marks)

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

3A. Clinical features of acute glomerulonephritis

3B. Treatment of poisonous snake bite

3C. Complications of COVID 19

3D. Treatment of acute severe asthma

3E. A 35 year old HIV positive patient has a CD4 count of 180 cells/cmm. What are the infections he is prone to, and how will you prevent them?

3F. Clinical features of atrial fibrillation

3G. A 18 year old student who failed in an exam, is brought with sweating, breathlessness, fasciculations, constricted pupils, and unconsciousness. What is the likely poison she has consumed? How will you treat her?

3H. Treatment of psoriasis

3I. Biochemical alterations in chronic kidney disease and their basis

3J. List the clinical differences between chronic bronchitis and emphysema.

3K. Name 4 anti-hypertensive drugs and their side effects

- 3L. A 25 year old man comes with BP of 200/120 mm of Hg. What investigations are needed in him?
- 3M. A 55 year old man on a thiazide diuretic comes with severe weakness. What electrolyte abnormalities are expected, and how will you treat them?
- 3N. How will you investigate and treat a 60 year old man with chronic cough, with large quantity of purulent expectoration of 6 months duration?
- 3O. List FOUR diseases that can be transmitted by unprotected sexual contact, and one confirmatory investigation for each.

(4 marks × 15 = 60 marks)



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**FINAL MBBS PART – II DEGREE EXAMINATION – JULY 2022**  
**SUBJECT: MEDICINE: PAPER – II (ESSAY)**

(2017-18 Batch – Repeater)

Friday, July 15, 2022

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 to each answer
  - ✍ Use line diagrams and flow charts where appropriate
- ✍ **Long questions:**
1. A male patient aged 21 years, known case of diabetes mellitus presents with pain abdomen and vomiting. He has skipped his regular doses of insulin for 2 days. His blood sugar is 312mg/dL and arterial blood pH is 7.1. What is the diagnosis? Mention the investigations to be done in this patient. Write the principles of management of this condition.  
(1+3+6 = 10 marks)
  2. Mention the etiology, clinical features, investigations and treatment of acute bacterial meningitis in an adult.  
(2+2+3+3 = 10 marks)
  3. **Write Short notes on the following:**
    - 3A. Clinical manifestations of Addison's disease
    - 3B. A young lady presents with weight loss and was detected to have TSH of 0.004mU/L. Mention 2 relevant investigations to be done in this patient to find the etiology of the disease. How do you treat this patient?
    - 3C. Mention any 4 investigations to be done along with rationale in a patient with adult onset epilepsy
    - 3D. A middle aged gentleman presents with acute onset weakness of right upper and lower limbs along with inability to close left eye and deviation of angle of mouth to right side. What is the likely diagnosis and site of lesion? Mention 4 risk factors for this condition
    - 3E. A person presents with massive splenomegaly. Mention the investigations to confirm the diagnosis of chronic myeloid leukemia in him. Mention the drug used in treatment of this condition
    - 3F. A lady presents with easy fatigability. On examination she has pallor and koilonychia. Mention the investigations to be done to confirm that she has iron deficiency. Mention any 2 parenteral iron preparations

- 3G. Mention 4 causes of thrombocytopenia. Mention any 2 drugs used in the treatment of immune thrombocytopenic purpura
- 3H. Mention 4 local and 4 systemic complications of acute pancreatitis
- 3I. Mention the clinical features of acute viral hepatitis
- 3J. Mention the clinical features of peptic ulcer disease. Mention any 2 drugs used in the treatment of this condition
- 3K. A patient of cirrhosis of liver with portal hypertension and ascites presents with fever, chills and abdominal pain. On examination he has diffuse abdominal tenderness. What is the diagnosis and how do you confirm the diagnosis?
- 3L. Genetic counseling
- 3M. Mention any 2 disease modifying anti rheumatic drugs used in the treatment of rheumatoid arthritis along with correct adult dose
- 3N. Reactive arthritis
- 3O. First rank symptoms of acute schizophrenia

(4 marks × 15 = 60 marks)

