

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

Saturday, February 08, 2020

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer all questions with neat diagrams wherever required.**

✍ **Essay questions:**

1. A 20 year old male presented with history of haemoptysis of about 100 ml since 2 days. On examination he had irregular pulse and middiastolic murmur in the mitral area.

1A. What is your likely diagnosis?

1B. Describe relevant investigations to arrive at diagnosis.

1C. Describe the management.

(1+4+5 = 10 marks)

• 2. Describe the aetiology, clinical features and management of aplastic anaemia.

(3+3+4 = 10 marks)

3. **Write short notes on:**

3A. Investigations of bacterial endocarditis

~~3B.~~ Latent tuberculosis—detection and management

• 3C. Clinical features of tension pneumothorax

• ~~3D.~~ Describe the causes of wheezing

~~3E.~~ Radiological findings and aetiology of bronchiectasis

• ~~3F.~~ Treatment of falciparum malaria

~~3G.~~ Clinical features of typhoid fever

~~3H.~~ DOTS (directly observed treatment short course) therapy for tuberculosis

~~3I.~~ Definition and clinical features of septic shock

~~3J.~~ Causes of haematuria

~~3K.~~ Causes of recurrent urinary tract infections

~~3L.~~ Definition and investigations of nephrotic syndrome

~~3M.~~ Risk factors for pulmonary thromboembolism

~~3N.~~ Causes and treatment of microcytic hypochromic anaemia

~~3O.~~ Nosocomial pneumonia

(4 marks × 15 = 60 marks)



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Monday, February 10, 2020

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL questions with neat diagrams wherever required.**

✍ **Essay questions:**

1. 25 year old male presents with fever of 7 days, headache and drowsiness of 2 days. CSF examination shows protein 180 mg/dL, glucose 30mg/dL and simultaneous blood sugar was 100 mg/dL. CSF cell count was 160 cells/mm³, with 90% neutrophils, 10% lymphocytes. What is the most likely diagnosis? Discuss the etiology, risk factors, differential diagnosis, complications, and treatment of the same.

(3+2+1+2+2 = 10 marks)

2. Discuss the classification, clinical features, investigation and management of diabetic neuropathy.

(2+4+2+2 = 10 marks)

3. **Write a short note on:**

3A. What are the indications for anti snake venom and what are the complications of the same?

3B. Principles of management of a case of poisoning

3C. Write three characteristics of autosomal recessive (AR) inheritance. Give two examples of diseases following AR inheritance pattern.

3D. Definition and causes of fulminant hepatic failure

3E. Spectrum of Helicobacter Pylori induced disease. Mention four drugs useful in the treatment of H Pylori infection.

3F. Treatment of osteoporosis

3G. Mention three clinical features and diagnosis of antiphospholipid antibody syndrome.

3H. Name four seronegative arthritic disorders and two cardinal clinical features of seronegative arthritis.

3I. Treatment of myasthenia gravis

3J. Four differential diagnoses for wasting of small muscles of hand

3K. Four side effects of long term corticosteroid use

3L. Treatment and monitoring of primary and secondary hypothyroidism

3M. Clinical features, diagnosis and treatment of Vit D deficiency in adults

3N. Heat stroke

3O. Lichen Planus

(4 marks × 15 = 60 marks)

