

MANIPAL UNIVERSITY

FINAL MBBS PART – II DEGREE EXAMINATION – JULY 2017

SUBJECT: MEDICINE: PAPER – I (ESSAY)

Monday, July 10, 2017

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ Answer ALL questions with neat diagrams whenever required.

✍ Essay Questions:

1. A 30 year old driver presents with 2 weeks history of fever, cough, and loss of appetite. What are the four differential diagnosis? Discuss the investigation of this patient and management of one cause of this condition.

(4+3+3 = 10 marks)

2. Enumerate the etiology (any four), discuss the clinical features and investigations in a case of Congestive cardiac failure. Add a note on its management.

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

3. Write short notes on:

3A. Treatment of acute rheumatic fever

3B. ECG changes in acute anterior wall myocardial infarction

3C. 30 year old male presents with deep sighing respiration. He complains of fatigue. ABG shows pH 7.10, PO₂ 95mmHg, PCO₂ 30mmHg, HCO₃ 12mmol/L. O₂ Saturation 98% on room air. What is the metabolic abnormality? What are the three differential diagnosis?

3D. Treatment of severe falciparum malaria

3E. Four etiology of syncope

3F. 40 year old patient who was being treated for acute flaccid paralysis develops haemoptysis and breathing discomfort after 1 week of hospital stay. Identify the most probable medical complication patient developed and how would you investigate this patient (any three)?

3G. Two mechanisms of Antibiotic resistance in bacteria and any two steps to contain it

3H. Acute promyelocytic leukemia

3I. Four components of nephrotic syndrome

3J. Four clinical features of chronic kidney disease and four important investigations

3K. Four causes of acute deterioration of kidney functions

3L. Two antiviral drug regimens used in HIV infected individuals and one side effect of each regimen

3M. Name any four invasive fungal infections

3N. Four important investigations in the evaluation of megaloblastic anemia

3O. Clinical features of hemophilia A

(4 marks × 15 = 60 marks)



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Tuesday, July 11, 2017

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ Answer ALL questions with neat diagrams whenever required.

✍ Essay Questions:

1. A 45 year old hypertensive is recently detected to have random blood sugar of 250mg/dl. Discuss the clinical features and complications that you will look for, and investigations which are essential in him. How will you treat this patient?
(4+3+3 = 10 marks)
2. What is the differential diagnosis of a 50 year old alcoholic with severe abdominal pain? Outline the clinical features, complications and treatment of acute pancreatitis.
(2+3+3+2 = 10 marks)
3. Write short notes on:
 - 3A. Mention the acute and chronic complications of Hepatitis B virus infection
 - 3B. Clinical features and management of anaphylaxis
 - 3C. Mention four diseases caused by smoking, and four caused by alcohol
 - 3D. Mention the normal levels of Vitamin D in adults, and treatment of its deficiency
 - 3E. Treatment of H.pylori infection
 - 3F. Management of postural hypotension in elderly
 - 3G. Outline the treatment of cobra bite
 - 3H. Draw a pedigree chart for boy with hemophilia, representing his parents and a sister.
 - 3I. What are the treatment options for a 25 year old married woman with Graves' disease?
 - 3J. What are the criteria for diagnosis of irritable bowel syndrome, and what drugs can be used to treat diarrhea in IBS?
 - 3K. Neurological deficits in right internal capsule infarct and their anatomical basis
 - 3L. Treatment options for obesity
 - 3M. Write a note on DMARDs
 - 3N. How does lumbar puncture help to differentiate between different etiologies of meningitis?
 - 3O. Treatment of status epilepticus

(4 marks × 15 = 60 marks)

