

Aug 2026

**BLDE (DEEMED TO BE UNIVERSITY)
POST GRADUATE DEGREE EXAMINATION**

[Time: 3 Hours]

[Max. Marks: 100]

**MD GENERAL MEDICINE – PAPER - I
QP CODE: 5041**

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in the middle of the page.

Long Essay

2x20=40 Marks

1. A 28-year-old woman presents with fatigue, malar rash, photosensitivity, and proteinuria.
Discuss the immunopathogenesis of Systemic Lupus Erythematosus. Explain the role of autoantibodies, complement system, and mechanisms of tissue injury. (20 Marks)
2. A 55-year-old man with long-standing hypertension develops left ventricular hypertrophy and heart failure. Describe the cellular and molecular basis of cardiac hypertrophy. Discuss mechanisms of adaptation, apoptosis, and progression to heart failure. (20 Marks)

Short Essay

6x10=60 Marks

3. A 45-year-old male presents with fever, productive cough, and lobar consolidation.
Explain the pathogenesis and morphological stages of lobar pneumonia. (10 Marks)
4. A 60-year-old diabetic develops acute kidney injury following sepsis.
Discuss the pathophysiology and morphology of acute tubular injury. (10 Marks)
5. Mechanisms of atherosclerosis and endothelial dysfunction. (10 Marks)
6. Molecular basis of carcinogenesis and hallmarks of cancer. (10 Marks)
7. Cell cycle regulation and tumor suppressor genes. (10 Marks)
8. Cytokines and their role in inflammation. (10 Marks)

19/08

**BLDE (DEEMED TO BE UNIVERSITY)
POST GRADUATE DEGREE EXAMINATION**

[Time: 3 Hours]

[Max. Marks: 100]

MD GENERAL MEDICINE – PAPER - II

QP CODE: 5042

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in the middle of the page.

Long Essay

2x20=40 Marks

1. A 52-year-old man presents with altered sensorium, ascites, jaundice, and upper gastrointestinal bleeding. He is a known alcoholic. Discuss the complications of cirrhosis of liver and their management. (20 Marks)
2. A 62-year-old woman presents with fatigue, bone pain, and renal dysfunction. Investigations reveal monoclonal gammopathy.
Discuss the diagnosis and management of multiple myeloma. (20 Marks)

Short Essay

6x10=60 Marks

3. A 28-year-old female presents with proximal muscle weakness, heliotrope rash, and elevated muscle enzymes. Discuss the diagnosis and management of dermatomyositis. (10 Marks)
4. A 48-year-old man presents with recurrent attacks of acute monoarthritis involving the first metatarsophalangeal joint. Discuss the diagnosis and management of gout. (10 Marks)
5. Management of acute ischemic stroke. (10 Marks)
6. Clinical approach to pleural effusion. (10 Marks)
7. Diabetes mellitus: recent advances in therapy. (10 Marks)
8. Management of infective endocarditis. (10 Marks)

BLDE (DEEMED TO BE UNIVERSITY) POST GRADUATE DEGREE EXAMINATION

[Time: 3 Hours]

[Max. Marks: 100]

MD GENERAL MEDICINE-PAPER-III QP CODE: 5043

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only

Write Question No. in the middle of the page.

Long Essay

2x20=40 Marks

1. A 32-year old male presents with high-grade fever, altered sensorium, seizures, and splenomegaly, Peripheral smear shows Plasmodium falciparum. Discuss the clinical features, complications, diagnosis, and management of severe falciparum malaria.
2. A 40-year old HIV positive patient presents with fever, chronic cough, weight loss and generalized lymphadenopathy. Discuss the diagnosis and management of HIV infection with opportunistic infections

Short Essay

6x10=60 Marks

3. Dengue fever: clinical features, complications, and management.
4. Chronic renal failures, Clinical features & management .
5. A 28-year old farmer presents with fever, myalgia, conjunctival suffusion, jaundice and acute kidney injury after working in flood-affected fields. Discuss the diagnosis and management of leptospirosis.
6. Enteric fever: complications and antimicrobial therapy.
7. A 45-year old diabetic presents with fever, productive cough, hemoptysis, and cavitary lesions on chest imaging. Discuss the diagnosis and management of pulmonary tuberculosis..
8. Scrub typhus: clinical manifestations and management.

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MD GENERAL MEDICINE – PAPER - IV

QP CODE: 5044

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in the middle of the page.

Long Essay

2x20=40 Marks

1. A 58-year-old man with metastatic non-small cell lung cancer is evaluated for targeted therapy. Discuss precision medicine in oncology, molecular diagnostics, targeted therapies, and immune checkpoint inhibitors. (20 Marks)
2. A 52-year-old woman with uncontrolled type 2 diabetes mellitus and established cardiovascular disease is being considered for newer antidiabetic agents. Discuss recent advances in diabetes management, including SGLT2 inhibitors, GLP-1 receptor agonists, and cardiorenal protection. (20 Marks)

Short Essay

6x10=60 Marks

3. Artificial intelligence and machine learning in clinical medicine. (10 Marks)
4. Advances in management of dyslipidemia. (10 Marks)
5. A 65-year-old man with atrial fibrillation develops acute ischemic stroke despite being on conventional anticoagulation. Discuss the role of direct oral anticoagulants and recent advances in stroke prevention. (10 Marks)
6. Advances in management of heart failure. (10 Marks)
7. A 40-year-old woman with refractory rheumatoid arthritis has persistent disease activity despite conventional DMARDs. Discuss biologic agents and targeted synthetic DMARDs in rheumatology. (10 Marks)
8. Recent advances in diagnostic imaging in internal medicine. (10 Marks)