

26/05/2022

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Paper Code: MD-091

Enrollment No.

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**M.D. General Medicine
EXAMINATION, May 2022**

Paper First

Basic Medical Sciences

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Discuss in detail about the mechanism of cellular injury in cerebral ischemia and recent advances in diagnosis and treatment of acute ischemic stroke.

[20

2. Write short notes on:

[10x6

- a. Innate immunity
- b. Stem cell transplantation and stem cell gene therapy
- c. Endocrine hypertension
- d. Biomarkers in sepsis
- e. Plasmapheresis in clinical practice
- f. Cardioversion

3. Discuss briefly:

[5x4

- a. SGLT2 inhibitors
- b. Pulse in health and disease
- c. Biology of aging
- d. Addison's disease

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**M.D. General Medicine
EXAMINATION, May 2022**

Paper Second

Medicine and allied specialties including pediatrics, dermatology & psychiatry

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Describe the pathogenesis, risk factors, clinical manifestations and management of Pulmonary embolism. [20]
2. Write short notes on - [10x4]
 - a. Long COVID syndrome
 - b. Skin manifestation of diabetes
 - c. Depression associated with medical disorders
 - d. Delirium
3. Discuss about the following - [10x4]
 - a. Management of schizophrenia
 - b. Lichen planus
 - c. Management of organophosphorus poisoning
 - d. Steven Johnson syndrome

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**M.D. General Medicine
EXAMINATION, May 2022**

Paper Third

Tropical Medicine and Infectious Diseases



Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Discuss the clinical features, pathophysiology and management of Dengue Shock syndrome. [15]
2. Discuss sudden cardiac death with special reference to the etiologies and prevention. [15]
3. Describe briefly - [10x4]
 - a. Diagnosis of atypical pneumonia
 - b. Posterior reversible encephalopathy syndrome
 - c. Role of PET in pyrexia of unknown origin
 - d. ACE inhibition in Covid era
4. Write short notes on - [5x6]
 - a. Anticoagulants in Covid
 - b. Non HDL-cholesterol
 - c. Screening of Autoimmune diseases
 - d. High insulin requirement with special reference to insulin resistance
 - e. Gut microbiota
 - f. Adult immunization

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**M.D. General Medicine
EXAMINATION, May 2022**

Paper Fourth

Recent Advances in Medicine

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Discuss causes and management of shock in Acute Pancreatitis. [15
2. Discuss role of Microbiota in Health and Disease. [15
3. Write short answers – [10x7
 - a. SPIRIT trial
 - b. SGLT2 in cardiac failure
 - c. Extracorporeal Membrane Oxygenation (ECMO)
 - d. HIV vaccine
 - e. Post transplant fever
 - f. Newer anti epileptic drugs
 - g. Optimise CML management in 2022
