

QP Code:

Reg.No.:.....

**MD Degree Examinations in General Medicine
(Model Question Paper)**

Paper I – Basic Science as Applied to General Medicine

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays: (20)

1. A 33-year-old male with a BMI of 24 has a fasting lipid profile as a part of his regular screening. Past medical history and family history noncontributory. Medications None. Fasting lipid profile- Triglycerides 150 mg/dL, Total cholesterol 250 mg/dL ,HDL 36 mg/Dl, LDL 150 mg/dL
 - How will you advise this patient.
 - Discuss the pathogenesis, the diagnostic tests, therapeutic interventions, and follow-up strategies for low HDL cholesterol levels

(5+15=20)

Short essays: (8x10=80)

2. Bronchopulmonary segments
3. Nervous control of urinary bladder
4. Case control study
5. Vitamin D deficiency
6. Serological marker of hepatitis B infection
7. Gut Hormones.
8. Oxygen dissociation curve
9. Cardiac cycle

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Paper II – Clinical features (Clinical Medicine) , Cardio-vascular system,,
Respiratory system, Nephrology, Rheumatology, Immunology, Infectious
diseases, Dermatology.

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(20)

1. A 26-year-old woman (height 160 cm, weight 98 kg,) who had recently travelled by car for about 8 hours continuously, came to the emergency department with sharp, left-sided chest pain on inspiration, of one day duration. There was no fever or weight loss. She was apparently asymptomatic before and had no other significant illness or abnormal habits in the past. Physical examination showed pleural rub and the chest X-ray showed a right upper zone shadow.

- What is the most likely diagnosis, and what are the possible risk factors
- Discuss how you will proceed to evaluate the patient .
- Discuss the treatment options and how will you prevent it

(5+5+10=20)

Short essays:

(8x10=80)

2. Indications and types of Pacemakers
3. Typhus fever- reemergence.
4. Solitary Pulmonary Nodule – diagnostic approach
5. Leishmaniasis in India
6. Renal Transplantation in the Indian set up
7. Hook worm infestation.
8. Management of malaria in pregnancy
9. Antibiotic resistance and its prevention

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Paper III – Clinical Features (Clinical Medicine), Gastroenterology, Nervous system, Psychiatry, Hematology, Oncology, Endocrinology, Miscellaneous

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(20)

1. A 24-year-old male presented to the emergency department with weakness of both lower limbs of one day duration, he found that he was unable to move his legs on waking up, although he noted there was no sensory loss to the legs. Now he has some weakness of his upper limbs as well. He stated that he had mild weakness with some cramping of the legs one week prior to this. Discuss the clinical evaluation, diagnostic work up and management of this patient

Short essays:

(8x10=80)

2. Normal pressure hydrocephalus
3. Assessment of malabsorption
4. Conversion reaction
5. Addison`s disease
6. Non motor manifestation of parkinsonism
7. TTP
8. Autoimmune haemolytic anaemia
9. Non- Alcoholic steato-hepatitis.

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Paper IV – Clinical Features (Clinical Medicine), Tropical Medicine, Recent Advances in General Medicine

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(20)

1. A 25 -year-old woman developed fever, sore throat, poly arthritis , and progressive pallor of four weeks duration. On examination there was no organomegaly or jaundice. Haemogram showed Hb 5.6, TLC 14600, P90, L10, Platelet count 3.9lakhs and ESR 110. How do you proceed to evaluate this patient. Discuss the management options, for the most likely diagnosis in this patient :

Short essays:

(8x10=80)

2. DPP IV Inhibitors
3. Primary angioplasty in STEMI in India
4. Management of lupus nephritis
5. Anti platelet drug resistance
6. New therapies for anaemia of chronic kidney disease.
7. Management of DIC
8. Targeted therapies in Medicine
9. The problem of malnutrition in India.
