

PG Degree Supplementary Examinations in Family Medicine (MD)
November 2022

Paper I – Basic Sciences as Applied to Family Medicine

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. A 50 years old man presents with severe chest pain radiating to left shoulder. He is a known hypertensive. On examination, he is profusely sweating, blood pressure is 140/100, pulse rate is 102/minute and saturation is 98%. Answer the following.
 - Describe the etiopathogenesis of his clinical condition
 - Outline relevant investigations that you would need to confirm your diagnosis
 - Discuss immediate treatment that has to be administered with dosages and reasoning(10+5+5)

Short Essays:

(8x10=80)

2. List the various drugs used in intravenous anaesthetic induction with dosages, indications and side effects
3. Discuss common causative organisms in community acquired pneumonia and antibiotics recommended for the same with appropriate dosages
4. Describe the biochemical mechanism behind diabetic ketoacidosis and link with the clinical findings in this emergency
5. Describe the procedure of vaginal smear and list various findings in common causes of increased vaginal discharge
6. Discuss the clinical features of Bell's palsy and link with the related anatomy
7. Describe the procedure of knee joint aspiration and the laboratory finding of the synovial fluid in infective and degenerative conditions of the knee joint
8. Describe the pharmacology of drugs used in the treatment of cardiac failure
9. List the drugs used in the treatment and chemoprophylaxis of various types of malaria with dosage and complication
