

PG Degree Supplementary Examinations in Family Medicine (MD)
January 2024

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. Savithri, a 70-year-old post-menopausal lady who has come with palpitations. Her ECG shows atrial fibrillation.
 - a) Describe the pathogenesis of atrial fibrillation.
 - b) How will you manage atrial fibrillation in Savithri

(10+10)

Short Essays:

(8x10=80)

2. Describe the degree of burns with respect to the anatomy of the skin. What are the clinical features of the different degree of burns. What are the other factors that influence the prognosis of a burn wound.
3. Describe the pathology of the lung in chronic obstructive pulmonary disease and briefly discuss its pathogenesis.
4. Describe the mechanism of anaphylaxis and mention a note on the site of action of the medications used to manage it. What is basic life support.
5. Discuss the etio-pathogenesis of bronchiectasis of the lung; briefly discuss its management.
6. With reference to the anatomy of the knee joint, describe the pathology of osteoarthritis of the knee.
7. Describe the beneficial and harmful effect of sunlight on the body. Outline the causes of vitamin D deficiency and the clinical features of its deficiency.
8. What are 'Charcot's joints'. Describe the development and pathology of Charcot's joints.
9. Describe the pathogenetic mechanisms by which the human immunodeficiency virus infects, spreads and makes the host susceptible to the opportunistic infections. Add a note on anti-retro viral drugs.
