

QP CODE : 1029

Rajiv Gandhi University of Health Sciences, Karnataka
MBBS Phase - II (CBME) Degree Examination - 11-May-2022

Time: Three Hours

Max. Marks: 100 Marks

PHARMACOLOGY - PAPER II (RS-4)**Q.P. CODE: 1029****(QP contains two pages)**

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS**2 x 10 = 20 Marks**

1. A 40-year-old man complains of evening rise of temperature, cough and weight loss. A diagnosis of Pulmonary Tuberculosis was made.
 - a) Write the treatment regimen for the newly diagnosed pulmonary TB.
 - b) Enumerate the adverse effects and uses of Rifampicin.
 - c) Write Four drugs used in Multi-drug resistant Tuberculosis
2. Classify antihypertensive drugs. Explain the mechanism of action, therapeutic uses and adverse effects of Angiotensin converting enzyme inhibitors (ACE inhibitors).

SHORT ESSAYS**8 x 5 = 40 Marks**

3. Non cardiac uses of Nitrates
4. Mechanism of action, Uses and Adverse effects Loop diuretics
5. Mechanism of action, Uses and Adverse effects of Metformin
6. Adverse effects of Oral contraceptive pills in women
7. Therapeutic uses and adverse effects of Glucocorticoids
8. Mechanism of action, uses and adverse effects of Vinca alkaloids
9. A 60 year old lady presents with pain in both her legs. After investigations, physician made a diagnosis of Osteoporosis. She was prescribed Alendronate.
 - a) Explain the mechanism of action of Alendronate.
 - b) Write the adverse effects of Alendronate.
10. A 35 year old patient presents with acute dysentery and abdominal pain. After investigations, the physician made a diagnosis of acute Intestinal Amoebiasis and prescribed Metronidazole. Explain the mechanism of action and uses of metronidazole.

SHORT ANSWERS**10 x 3 = 30 Marks**

11. Rationale of using Clopidogrel in acute Myocardial infarction
12. Name two statins. Why a statin is not combined with Gemfibrozil?
13. Rationale of using Warfarin in Deep vein thrombosis
14. Rationale of combining Ampicillin with Sulbactam
15. Mention three uses of Tetracyclines
16. Mention one Artemisinin combination therapy regimen for uncomplicated falciparum malaria
17. Write three uses of Albendazole
18. Mention three advantages of third generation Cephalosporins
19. Name three topical antifungal drugs
20. Define Antibiotic stewardship programme