

## 2019 Scheme

Q.P. Code: 212001

Reg. no.: .....

**Second Professional MBBS Degree Supplementary Examinations  
July 2022**

**Pharmacology - Paper II**

**(GIT, Hormones, Antibiotics, Chemotherapy and Miscellaneous)**

**Time: 3 Hours**

**Total 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

### **Long Essays**

**(2x15=30)**

1. A 30-year-old female patient with complaints of restlessness, excessive sweating visits a physician. On investigation, patient was having high levels of free T3/T4 and very low TSH levels. A diagnosis of hyperthyroidism was made.
  - (a) Classify the drugs used for the above condition. Outline the line of management.
  - (b) Describe briefly Radioactive Iodine.
  - (c) Discuss the pharmacological management of thyroid storm. **(3+3+4+5)**
2. (a) Classify Antiretroviral drugs used in HIV. Describe the mechanism of action, uses and adverse effects of Zidovudine. Add a note on Post exposure prophylaxis.
  - (b) Azole Antifungals **(5+3+2+5)**

### **Short essays**

**(5x8=40)**

3. (a) Discuss the pharmacological management of Hypertriglyceridemia. Add a note on Atorvastatin.
  - (b) Insulin Analogues. **(2+2+4)**
4. Enumerate drugs used in Peptic ulcer. Add a note on Prokinetic agents. **(4+4)**
5. Corticosteroids.
6. (a) Drug treatment of pulmonary Tuberculosis.
  - (b) Add a note on Extremely drug resistant TB. **(6+2)**
7. (a) Outline the management of Falciparum Malaria.
  - (b) Write one Artemisinin based combination therapy regimen". **(3+2+3)**
  - (c) Metronidazole. **(5x4=20)**

### **Short answers**

8. Uses of Selective Estrogen Receptor Modulators
9. Monoclonal antibodies and their uses
10. Cyclophosphamide.
11. Briefly describe combined Oral Contraceptive Pills. Add a note on emergency contraception. **(3+1)**
12. Metformin.

### **Choose the Appropriate Drug and Justify:**

**(2x1=2)**

13. Oxytocin / Ergometrine for Post-partum haemorrhage
14. Cotrimoxazole / Cephalexin in prophylaxis of recurrent cystitis in pregnancy

### **Name the following (Two examples for each):**

**(8x1=8)**

15. Anabolic steroids.
16. Drugs for Scabies.
17. Cytokine inhibitors.
18. Non systemic antacids.
19. Drugs used in Penicillinase producing staphylococcal infections.
20. Drugs active against pseudomonas infection
21. Chelating agents.
22. Laxative agents.

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