

# 2010 Scheme

Q.P. Code: 202001

Reg. no.: .....

## Second Professional MBBS Degree Supplementary Examinations May 2022 Pharmacology - Paper II

Time: 2 Hours

Max. Marks: 40

- 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

### Essays

(2x6=12)

1. Classify Thyroid inhibitor drugs. Describe the mechanism of action, and adverse effects of carbimazole. Explain the role of iodides in hyperthyroidism. (2+2+2)
2. A 40 years old female patient admitted to hospital with a complaint of fever with chills and right loin pain since 5 days. She is a known diabetic. Urine microscopy shows plenty of pus cells and gram negative bacilli. Her serum creatinine is moderately elevated. Ultra sonogram of abdomen suggestive of acute pyelonephritis of right kidney.
  - List four groups of drugs with example, useful against gram negative organisms
  - Explain the mechanism of action and two adverse effects of each group
  - Describe the mechanism of action of Fluoroquinolones
  - Mention the antibiotics to be avoided for the above patient (2+2+1+1)

### Short Notes

(5x3=15)

3. Cotrimoxazole
4. Doxycycline
5. Alkylating agents
6. Metoclopramide
7. Short acting insulin analogues

### Write the Pharmacological basis for the use of:

(3x1=3)

8. Cilastatin with Imipenem
9. Primaquine in plasmodium vivax malaria
10. Finasteride in benign prostatic hypertrophy

### Write two uses and two adverse effects of the following:

(3x1=3)

11. Albendazole
12. Rifampicin
13. Dimercaprol

### Choose the appropriate drug and Justify:

(2x1=2)

14. Glibenclamide/Glipizide in elderly patients
15. Combined pill/Mini pill as oral contraception

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

(5x1=5)

16. Selective estrogen receptor modulators
17. Neuraminidase inhibitors
18. Luminal amoebicides
19. Bisphosphonates used in postmenopausal Osteoporosis.
20. Antimotility drugs used in nonspecific diarrhoeas

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