

**Q.P. Code: 202001****Reg. no.:****Second Professional MBBS Degree Supplementary Examinations****July 2019****Pharmacology - Paper II****Time: 2 Hours****Max. Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

Essays**(2x6=12)**

1. Enumerate the newer insulin analogues. What is the advantage of using insulin analogues over conventional insulin. How will you manage insulin resistance. (2+2+2)
2. Mrs. Mala aged 30 is a known epileptic was on treatment with Tab. Phenytoin for the past 3 yrs. She was taking oral contraceptive pills for the last 6 months. She did not get her menstrual cycle for the past 2 months. On investigation, her pregnancy was confirmed
 - What is the therapeutic problem
 - Why she became pregnant in spite of taking oral contraceptive pills
 - Name 2 other drugs which will have problems with phenytoin.
 - Add a note on emergency contraception.

(1+2+1+2)**Short Notes****(5x3=15)**

3. Domperidone
4. Antibiotic resistance
5. Oseltamivir
6. Artemisinin derivatives
7. Tacrolimus

Write the Pharmacological basis for the use of:**(3x1=3)**

8. Propranolol in thyroid storm
9. Letrozole in early breast cancer
10. Sucralfate in gastric ulcer

Write two uses and two adverse effects of the following:**(3x1=3)**

11. Bromocriptine
12. Clofazimine
13. Isoniazid hydrazide

Choose the appropriate drug and Justify:**(2x1=2)**

14. Third generation / Fourth generation cephalosporins in MRSA infection
15. Fluconazole / Ketoconazole in fungal meningitis

Name the following (Two examples for each)**(5x1=5)**

16. Anti-secretory agents in diarrhea
17. Antiscabies agents.
18. Drugs for psoriasis
19. Drugs useful in Leprosy reaction.
20. Drugs effective in Round worm infestations.

