Second Professional MBBS Degree Supplementary Examinations
February 2021
Pharmacology - Paper I

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 anticholinergic drugs. Describe the pharmacological actions, therapeutic uses and contraindications of atropine.   (2+2+1+1)
2. A 50 years old male patient came to hospital with a complaint of breathlessness, Orthopnoea and swelling of both feet since 10 days. He is a known ischemic heart disease patient, using aspirin only and not taking the other drugs as prescribed. His heart rate is 128/mt and his blood pressure is 160/100 mm of Hg. Echocardiogram shows dilated cardiac chambers.
   • Classify drugs used in congestive heart failure
   • Explain the mechanism and pharmacological action of digoxin
   • Describe the adverse effects of beta blockers   (2+2+2)

Short Notes: **(5x3=15)**

3. Pharmacogenetics
4. Prazosin
5. Diazepam
6. Selective serotonin reuptake inhibitors
7. Prophylaxis of migraine

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

8. Adrenaline in anaphylactic shock
9. Fomepizole in methanol poisoning
10. Tramadol as analgesic

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

11. Lignocaine
12. Carbamazepine
13. Isosorbidedinitrate

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

14. Naloxone/Methadone in morphine addiction

15. Frusemide/Hydrochlorothiazide as antihypertensive

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

16. Oral direct factor Xa inhibitors

17. Mast cell stabilizers

18. Antitussives

19. Recombinant tissue plasminogen activators

20. Aldosterone antagonists

****