

PHARMACOLOGY

PAPER - II

PHARM/D/13/34/II

Time : 3 hours

Max. Marks : 100

Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

1. Enumerate the drugs used for treatment of schizophrenia. Discuss the adverse drug reactions of the typical antipsychotic. Enumerate the advantages for the use of atypical antipsychotic agents. 2+4+4
2. Describe the term supraventricular tachycardias. Enumerate the drugs useful in the treatment of supraventricular tachycardias. Discuss briefly the management of paroxysmal supraventricular tachycardias. 2+2+6
3. Enumerate the different types of general anaesthetic agents giving suitable examples. Explain the terms "Induction anaesthesia" and "maintainance of anaesthesia". Describe briefly dissociative anaesthesia. 3+2+5
4. Enumerate the drugs modulating Renin-Angiotensin Aldosterone system (RAAS). Describe the pharmacological basis and rationale for the use of direct rennin inhibitors in hypertension. 3+3+4
5. Discuss the targets identified for inhibiting the activity of platelets and list the drugs are acting on these targets. Describe the management of aspirin and clopidogrel resistance. 4+6
6. What do you understand by the term "patient controlled analgesia"? Give an account of the drugs used in this condition. Discuss the benefits of this method of analgesia. 3+4+3
7. Enumerate the various types of oral contraceptive pills. Describe the non-contraceptive uses of these drugs. Discuss briefly the adverse drug reactions of these hormonal pills. 2+4+4
8. Discuss novel targets for drugs in the treatment of diabetes mellitus. Discuss the therapeutic benefits and limitations of inhibitor of dipeptidyl peptidase – 4 (DPP-4). 3+4+3
9. What do you understand by the term "DOTS". Describe the management of TB as given in the latest RNTCP. 4+6
10. List the antimicrobial agents used for gram +ve infections. Discuss the management of nosocomial infections. 5+5
