

**PHARMACOLOGY**

**PAPER-II**

Time: 3 hours  
Max. Marks:100

PHARM/D/20/34/II

**Important Instructions:**

- *You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.*
- *Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.*
- *No additional supplementary answer sheet booklet will be provided.*
- *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.*

**Write short notes on:**

1. Molecular mechanisms of nitrate tolerance and strategies to overcome it. 5+5
2. a) Emergency contraceptives. 5+5  
b) Prokinetic drugs.
3. Enumerate agents used in cancer chemoprevention. Briefly write their mechanism of action. 3+7
4. Drugs used for therapy of leishmaniasis. Describe their mechanism of action and adverse effects. 3+(5+2)
5. Enumerate the various classes of medicines used in the management of elevated ST segment myocardial infarction. Elaborate their mechanism of action and adverse effects. 3+7
6. Therapeutic agents used in the treatment of gout. 10
7. Write in brief about the management of TB-HIV co-infection according to recent NACO guidelines. What are the common toxicities associated with these antiretroviral drugs? 7+3
8. List the agents used in treatment of alcohol use disorder. Comment on their mechanism of action and adverse effects. 3+7
9. Elaborate the role of drugs in the prophylaxis and treatment of migraine. 10
10. Enumerate various classes of medicines used in epilepsy according to their mechanism of action. Write their adverse effects and therapeutic uses. 5+5

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