

PHARMACOLOGY

PAPER-IV

Time: 3 hours
Max. Marks:100

PHARM/D/20/34/IV

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. Define drug repositioning with suitable examples. Describe the advantages of drug repositioning and challenges involved. 5+5
2. Describe in brief about need and objectives of materiovigilance programme of India. 10
3. Critically evaluate current status of therapeutics used in COVID-19 care. 10
4. Recent advances in pharmacotherapy of heart failure. 10
5. Enumerate newer anticoagulants. Describe in brief the mechanism of action and therapeutic uses of oral anticoagulants. 3+7
6. What is evidence based medicine? What are the levels of evidence? 3+7
7. Define polypharmacy with suitable example(s). Write briefly on its advantages and disadvantages of it. 3+7
8. Describe general principles of hospital antibiotic policy. 10
9. a) Periodic safety update report (PSUR).
b) No observable adverse effect level (NOAEL). 5+5
10. Describe in brief vaccine-development process. How does it differ from drug-development process? 5+5
