

SVKM's NMIMS
SHOBHABEN PRATAPBHAI PATEL SCHOOL OF PHARMACY & TECHNOLOGY
MANAGEMENT/ SCHOOL OF PHARMACY & TECHNOLOGY MANAGEMENT

Programme: D.Pharm

Year: II

Part: II

Academic Year: 2021-2022

Subject: Pharmacology & Toxicology

Date: 25 March 2022

Marks: 80

Time: 2.00 pm - 5.00 pm

Durations: 3 Hrs

No. of Pages: 3

Final Examination 2021-2022

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.

- 1) Question No. 1 is compulsory.
- 2) Out of remaining questions, attempt any FIVE questions.
- 3) In all SIX questions to be attempted.
- 4) Answer to each new question to be started on a fresh page.
- 5) Figures in brackets on the right hand side indicate full marks.
- 6) Assume Suitable data if necessary.

SECTION A

Q.1.

(2×5=10)

- A. Enlist symptoms of Parkinson's disease.
- B. State true or false.
 - i. Acetylcholine increases the heart rate.
 - ii. NSAIDs can cause ulcers.
- C. Define the terms- Pharmacokinetics and Pharmacodynamics.
- D. Name a drug used in the treatment of schizophrenia and gout.
- E. Explain the terms- agonist and antagonist.

SECTION B

Q.2.

- A. What is receptor? Name receptors for binding of adrenaline. (02)
- B. Answer any **THREE** from the following. (12)
 - i. Classify various routes of administration. Discuss any one route of

administration in detail.

- ii. Discuss factors affecting drug absorption.
- iii. Explain the concept of drug metabolism.
- iv. Discuss various stages of anesthesia.

Q. 3.

- A. What is Myasthenia Gravis? (02)
- B. Answer any **THREE** from the following. (12)
- i. Which drugs are used for treatment of epilepsy?
 - ii. Classify parasympatholytics drugs with suitable examples.
 - iii. Discuss pharmacological actions of morphine.
 - iv. Classify local anesthetics with suitable examples.

Q. 4.

- A. Define- mydriatics and miotics. (02)
- B. Answer any **THREE** from the following. (12)
- i. What is triple response?
 - ii. Classify antihypertensive drugs with suitable examples.
 - iii. Give pharmacological actions of aspirin.
 - iv. Classify drugs used for treatment of ulcers with suitable examples.

Q. 5.

- A. Explain mechanism of action of NSAIDs and benzodiazepines. (02)
- B. Answer any **THREE** from the following. (12)
- i. Classify anticancer drugs with suitable examples.
 - ii. Discuss the mechanism of action adverse effects and uses of penicillin
 - iii. Enlist various factors affecting drug action.
 - iv. Classify diuretics with suitable examples.

Q. 6.

- A. What are antiseptics and disinfectant? (02)
- B. Answer any **THREE** from the following. (12)
- i. Discuss treatment options for Myasthenia Gravis.
 - ii. How adrenaline is synthesized in neuron?
 - iii. What are sedative and hypnotic drugs? Classify them with suitable examples.
 - iv. Classify antiarrhythmic drugs with suitable examples.

7.

- A. Enlist various mediators of inflammation. (02)
- B. Write a note on any **THREE** from the following. (12)
- i. Therapy for bronchial asthma
 - ii. Chloramphenicol
 - iii. Sulphonamides
 - iv. Therapy for tuberculosis

8.

- A. Explain the mechanism of action of quinine as antimalarial and metronidazole. (02)
- B. Answer any **THREE** from the following. (12)
- i. Discuss actions of serotonin.
 - ii. Write a note on anthelmintic drugs.
 - iii. Classify oral hypoglycaemics? Write the mechanism of metformin.
 - iv. Write a note on adrenergic drugs.
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