



MCQ-003-047502

Seat No. \_\_\_\_\_

**B. Voc. (Pharm. Analysis & QA) (Sem. V) (CBCS)**

**Examination**

**May / June - 2018**

**BVPAQA - 502 : Medicinal Chemistry - I**

**Faculty Code : 003**

**Subject Code : 047502**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) All questions are compulsory.  
(2) Draw diagram and/or scheme wherever necessary.

**1 (a) Answer the following questions : 10**

- (1) What are Antimetabolites ?
- (2) What is LD50 ?
- (3) Give definition of QSAR.
- (4) Define Mutagen.
- (5) Give names of any two Physicochemical parameters of QSAR.
- (6) Write the category of Loperamide.
- (7) What is drug ?
- (8) "Pro-drug is as such pharmacologically active."  
True or False ?
- (9) What is point mutation ?
- (10) Define Pharmacophore.

**(b) Answer the following questions : 20**

- (1) Give full form of SAR and SNS.
- (2) Define Pharmacology and Chemotherapy.
- (3) Write the concept of agonist and antagonist in brief for the receptor.

- (4) Phenolphthalein was used as a drug in which disease ? Why was phenolphthalein removed from Over the counter drug list ?
- (5) Give meaning: Depression effect and Stimulant effect of Drug action.?
- (6) What are the different types of DM? Give short introduction of any one of them.
- (7) Draw the labeled diagram of Neuron.
- (8) In ADME, D denotes \_\_\_\_\_ and M denotes \_\_\_\_\_.
- (9) What is peristaltic movement ? Why is it required ?
- (10) What are the different objectives of Pro-drug ?

**2** Answer any 4 out of the following 6 questions : **20**

- (1) Synthesis Warfarin drug.
- (2) Write a note on Ranitidine Drugs with its category, mechanism of action, structure and side effects.
- (3) Give classification of Antisecretory Drugs.
- (4) Give an account on Lipophilic physicochemical parameter of QSAR.
- (5) Synthesis Dobutamine drug.
- (6) Write a note on Antidiarrheals drugs.

**3** Answer any 4 out of the following 6 questions : **20**

- (1) Define DM. Give the drug classification of the same.
- (2) Write a note on Proton pump inhibitors.
- (3) Synthesis Nifedipine Drug.
- (4) What is arrhythmia? Give classification of Antiarrhythmic drugs.
- (5) Give an account on Antacids.
- (6) Synthesis Omeprazole Drug.