



## BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – B.Pharm-2019/B.Pharm-2020/B.Pharm-2021

Course Name – Medicinal Chemistry I

Course Code - BP402T

( Semester IV )

Full Marks : 75

Time : 3:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) State the following drugs which can be used in case of paralysis caused by skeletal muscle relaxants?
  - a) Neostigmine,
  - b) Adrenaline,
  - c) Amphetamine,
  - d) Aspirin,
- (ii) Select the following drugs that is used as an antispasmodic?
  - a) Aspirin,
  - b) Valproic acid,
  - c) Oxybutynin,
  - d) Carbamazepine,
- (iii) Select the following drugs that is used as an antidote for organic phosphate poisoning?
  - a) Pralidoxime,
  - b) Metformin,
  - c) Aspirin,
  - d) Griseofulvin,
- (iv) Report the following which is a depolarizing muscle relaxant?
  - a) Suxamethonium,
  - b) Lignocaine,
  - c) Diclofenac,
  - d) Nalidixic acid,
- (v) Phase 1 metabolism is a -----type of reaction
  - a) Synthetic
  - b) Functionalization
  - c) conjugation
  - d) None of the above
- (vi) Report the following antimuscarinic drugs that can be used as an antiulcer agent?
  - a) Metformin,
  - b) Galantamine,
  - c) Probenecid,
  - d) Propantheline,
- (vii) Choose the correct option of the following is a imide?
  - a) Vincristine,
  - b) Glutethimide,
  - c) Galantamine,
  - d) Frusemide,
- (viii) Select the Atom which must be present in hydrogen bonding is
  - a) Hydrogen,
  - b) Sodium,
  - c) Calcium,
  - d) Sulphur,
- (ix) Select the term for replacement of hydrogen with a flourine atom is known as
  - a) Isotope,
  - b) Isostere
  - c) Isomer
  - d) Isobar

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/Classify phenothiazine as antipsychotics with structure and example/ (5)

**Group-C**  
(Long Answer Type Questions) 10 x 2=20

9. Discuss about the SAR of Benzodiazepines. (10)  
10. Focus on classification of anticonvulsant drugs according to chemical structure and give example from each category with structure. (10)

**OR**

Focus on the structure ,uses and adverse effects of lorazepam, alprazolam and zolpidem . (10)

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