



## BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – B.Pharm-2019/B.Pharm-2020

Course Name – Medicinal Chemistry III/Medicinal Chemistry III Theory

Course Code - BP601T

( Semester VI )

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) Choose the Influenza causing virus

- a) Herpes virus,
- c) Retrovirus,

- b) Orthomyxovirus,
- d) Adenovirus ,

(ii) Choose the following which is not a 4-amino quinoline

- a) Amodiaquine,
- c) Primaquine,

- b) Mefloquine,
- d) Chloroquine,

(iii) Chemically Zalcitabine is described as an analog of

- a) cytosine,
- c) uracil,

- b) guanine,
- d) adenine,

(iv) The antibiotic that was established to used against both TB and leprosy

- a) ampicillin,
- c) amoxicillin,

- b) cloxacillin,
- d) rifampicin,

(v) Choose the correct one-Quinolones are

- a) broad-spectrum,
- c) intermediate spectrum,

- b) narrow spectrum,
- d) none,

(vi) Fluoroquinolones contains F substituent at

- a) C-3,
- c) C-5,

- b) C-4,
- d) C-6,

(vii) Ciprofloxacin is which type of drug

- a) Antifungal antibiotics,
- c) Quinolines ,

- b) Anti-tubercular antibiotics ,
- d) Quinolone Antibacterials,

(viii) Identify from the followings which is not antituberculaer drug

- a) Isoniazid,
- c) rifampicin,

- b) Ethionamide ,
- d) streptomycin,

(ix) Identify the correct option-streptomycin is

- a) Bactericidal,
- c) Not an antibacterial,

- b) Bacteriostatic,
- d) An antifungal,

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9. Explain in details about the chemical class of antiviral agents with structural examples (10)
10. Correlate the chemical structure and Pharmacological activity of Quinolones as a (10)  
antibiotic agents

OR

Illustrate the chemical steps involved in the synthesis of trimethoprim and mentioned the (10)  
dose

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