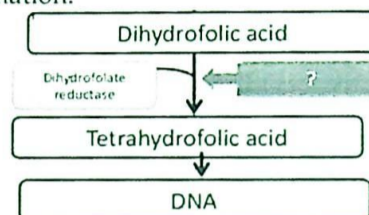
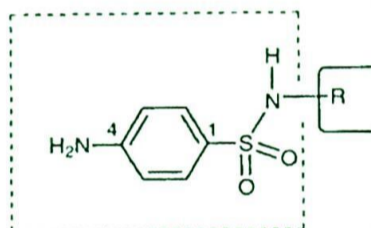


10. Which category of drugs inhibits DFR in the following step ultimately leading to inhibition in DNA formation.



- a. Sulphonamide
b. Trimethoprim
c. PABA
d. Streptomycin

11.



The following structure represents which category of drugs ?

- a. Sulfonamides
b. Penicillin
c. Calcineurin inhibitors
d. Streptomycin

12.



This specific structure is related with which of the following categories of drugs ?

- a. mTOR inhibitors
b. Ethylene oxide
c. Nitrogen mustards
d. Sulfonamides
13. Which of the following anti viral drugs directly acts on the HSV DNA?
a. Foscarnet
b. Penciclovir
c. Ribavirin
d. Zanamivir
14. Which of the following is a second line drug used in TB
a. Ethionamide
b. Ethambutol
c. Dapsone
d. Para Amino Salicylic acid
15. Example of a polyclonal antibody
a. Mycophenolate Mophetil
b. Anti-Thymocyte Globulin
c. Purinethol
d. Azathioprine

16. The.....stimulates postganglionic neurons of the enteric nervous system to release acetylcholine
- a. Gastric receptors
 - b. Vagus nerve
 - c. Somatostatin
 - d. Dopamine
17. Which of the following is a reverse transcriptase inhibitor?
- a. Maraviroc
 - b. Zanamivir
 - c. Rimantadine
 - d. Nevirapine
18. The "PRT" in "HGPRT" stands for
- a. Protein reverse transcriptase
 - b. Protein ribonucleic transferase
 - c. Phosphoribosyl transferase
 - d. Phosphoryl transferase
19. An example of Anti IGE antibody_____.
- a. Paracetamol
 - b. Prednisolone
 - c. Doxophylline
 - d. Omalizumab
20. Which of the following factors would be inhibited by Prednisone and Prednisolone
- a. IMPDH
 - b. NFAT
 - c. NF- κ B
 - d. mTOR

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(PART-B : Descriptive)

Time : 2 hrs. 30 min.

Marks : 35

[Answer any seven (7) questions]

1. Explain about the physiology of gastric acid secretion. 5
2. Classify anti-fungal drugs. Write its mechanism of action. 1+4=5
3. Classify anthelmintic drugs. With the help of diagrammatic representation, write the MOA of Albendazole and Mebendazole. 1+4=5
4. Describe the mechanism of action of drugs affecting hormonal alteration in malignancy. 5
5. Write the mechanisms of Immune stimulating chemokines. 5
6. Write about the MOA and adverse effects / bacterial resistance involved in the following (*any two*) 2.5+2.5=5
 - a. Streptomycin
 - b. Chloramphenicol
 - c. Tetracycline
7. Write about the mechanism involved in the hematopoietic cascade in the formation of immune cells by GM-CSF 5
8. Describe about the pathogenesis involved in HIV infection. 5
9. Write a note on application and preparation of monoclonal antibodies. 5

(PART-C: Long type questions)

[Answer any two (2) questions]

1. Write the classification of chemotherapeutic drugs used in cancer malignancy. Describe the cytotoxic mechanism involved about the drugs acting on cell. 10
2. Describe the pathogenesis involved by Herpes and Influenza virus. Classify anti-viral drugs and write its mechanism of action. 10
3. Classify immunosuppressive agents. Write the mechanism of action of Calcineurin inhibitors, Mammalian target of rapamycin inhibitors, CD 80/86 co-stimulation blockers and Antimetabolites/ Antiproliferative agents and corticosteroids. 2+8=10

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