

B. PHARM
SIXTH SEMESTER
PHARMACOLOGY - III
BP602T

(USE SEPARATE ANSWER SCRIPTS FOR OBJECTIVE & DESCRIPTIVE)

Duration: 3 hrs.

Full Marks: 75

(PART-A: Objective)

Time: 20 min.

Marks: 20

Choose the correct answer from the following:

1×20=20

1. An example of Pharyngeal demulcents and local sialogogues?
 - a. Ipratropium
 - b. Acetylcysteine
 - c. Codeine
 - d. Propylene
2. A commonly seen adverse effect of peripherally acting Mucolytic/Mucokinetic.
 - a. Diarrhoea
 - b. Fever
 - c. Bronchial spasm
 - d. Broncholysis
3. An example of Anti IGE antibody_____.
 - a. Paracetamol
 - b. Prednisolone
 - c. Doxophylline
 - d. Omalizumab
4. Ondansetron is an
 - a. Serotonin 5HT-3 Agonist
 - b. Anti Cholinergic agent
 - c. Serotonin 5HT-3 Antagonist
 - d. NSAIDS compound
5. The.....stimulates postganglionic neurons of the enteric nervous system to release acetylcholine.
 - a. Gastric receptors
 - b. Vagus nerve
 - c. Somatostatin
 - d. Dopamine
6. Gastrin in the lumen of the stomach binds to Receptor.
 - a. CCK-B receptors
 - b. CCK-A receptors
 - c. M3 receptors
 - d. H2 receptors
7. An example of α - Adrenergic agonist used as nasal decongestant is
 - a. Clobetasol
 - b. Ephedrine
 - c. Acetylcholine
 - d. Methylxanthines
8. Which of the following is a second line drug used in TB?
 - a. Ethionamide
 - b. Ethambutol
 - c. Dapsone
 - d. Para Amino Salicylic acid
9. Which of the following anti viral drugs directly acts on the HSV DNA?
 - a. Foscarnet
 - b. Penciclovir
 - c. Ribavirin
 - d. Zanamivir
10. An example of Penicillin which are resistant to staphylococcal β-lactamases are.
 - a. Nafcillin
 - b. Ampicillin
 - c. Aminopenicillin
 - d. Antipseudomonal penicillin

11. An example of topical sulphonamide
 - a. Silver Sulfadiazine
 - b. Trimethoprim
 - c. Sulfacetamide
 - d. Sulfaguanidine
12. An example of immunostimulant polypeptide compound
 - a. Doxirumab
 - b. Dornase Alfa
 - c. Ofloxacin
 - d. Botulinum toxin
13. An immunosuppressive agent, is a lipophilic cyclic peptide of 11 amino acids.
 - a. Tacrolimus
 - b. Cyclosporine
 - c. Calcineurin
 - d. Daclizumab
14. The major route of absorption of elemental mercury in your body is
 - a. Sensory organs
 - b. Skin
 - c. Respiratory tract
 - d. GI tract
15. Chronic allograft nephropathy is a common adverse effect of which category of drugs?
 - a. Leukotriene antagonist
 - b. Systemic glucocorticoids
 - c. mTOR inhibitors
 - d. PGE2 analogues
16. Which of these following factors can influence your circadian rhythm?
 - a. Drinking alcohol and smoking
 - b. Improper hygiene
 - c. Excessive sweating
 - d. Using mobile phones at night time
17. Patients with acid reflux problems should take proton pump inhibitors at
 - a. Between 10 pm - 2 am
 - b. Early morning in empty stomach
 - c. Before/After lunch
 - d. Early morning after breakfast
18. In vertebrates, the master clock is mediated by
 - a. Hypothalamus
 - b. Suprachiasmatic nucleus
 - c. Olfaction nerves
 - d. Cortex
19. Circadian homeostasis is mediated by which of these compounds?
 - a. Melanin
 - b. Testosterone
 - c. Melatonin
 - d. Insulin
20. Which of these following compounds can be used locally for its anaesthetic action?
 - a. Aloe Vera
 - b. Menthol
 - c. Cocaine
 - d. Clove Oil

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(PART-B : Descriptive)

Time: 1 hr. 40 minutes

Marks : 35

[Answer any seven (7)]

1. Explain about the physiology of gastric acid secretion. 5
2. Write the pathogenesis of COPD and Asthma. 2.5 + 2.5=5
3. Write the classification & Sodium channel mediated mechanism of action of Local Anaesthetic agents. 1+4=5
4. Write short notes on the following (Any Two) 2.5 + 2.5=5
 - a) Anti fungal agents
 - b) Anti Viral agents
 - c) Anti Tubercular agents
5. Write a detailed note on Sulfonamides and Cotrimoxazole. 3+2=5
6. Write short notes on (Any Two) 2.5 + 2.5=5
 - a) Penicillin
 - b) Chloramphenicol
 - c) Tetracycline
7. Define the term "Chronopharmacology". Give examples of five chronotherapeutic strategies used. 5
8. Describe about the physiological mechanisms involved and the treatment aspect in Carbon monoxide intoxication. 5
9. What are circadian rhythms? Write about the factors influencing circadian rhythm and the features of human circadian biological clock. 5

Time : 1 Hr.

Marks : 20

[*Answer any two (2)*]

1. Write about the first and alternative choice of drugs of atleast 5 types of helminthiases. Write a short note on the classification and mechanism of action of anthelmintic agents. 5+5=10
2. Write a short note on non specific immunostimulants, with emphasis to Granulocyte-macrophage colony stimulating factor and Monoclonal antibodies. 2+8=10
3. Clasify 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. 2+8=10

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