

DEPTH OF BIOLOGY

PHARMACOLOGY 6TH SEM IMPORTANT QUESTIONS

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UNIT-I

10hours

1. Pharmacology of drugs acting on Respiratory system

- a. Anti -asthmatic drugs
- b. Drugs used in the management of COPD
- c. Expectorants and antitussives
- d. Nasal decongestants
- e. Respiratory stimulants

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2. Pharmacology of drugs acting on the Gastrointestinal Tract

- a. Antiulcer agents.
- b. Drugs for constipation and diarrhoea.
- c. Appetite stimulants and suppressants.
- d. Digestants and carminatives.
- e. Emetics and anti-emetics.

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10 MARKS QUESTION

1. Explain anti-asthmatic drugs and classify it. Discuss the role of bronchodilators

DEPTH OF BIOLOGY 05 MARKS QUESTION

1. Discuss role of expectorant & anti-tussive . Write down its MOA
2. Elaborate the drug used in management of COPD

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02 MARKS QUESTION

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1. What is the role of respiratory stimulants with example
2. What are anti tussive agents . Give any 2 examples
3. Explain nasal decongestants with example

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10 MARKS QUESTION

1. What are anti-ulcer agents . Classify it and discuss it`s MOA

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05 MARKS QUESTION

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1. Discuss the role of anti-emetics
2. Define anti-ulcer agents

02 MARKS QUESTION

1. Name any 2 drugs used in treatment of constipation/ diarrhoea
2. Define appetite stimulant with examples
3. Explain carminative with example
4. What are emetics ?

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UNIT-II

10hours

3. Chemotherapy

- a. General principles of chemotherapy.
- b. Sulfonamides and cotrimoxazole.
- c. Antibiotics- Penicillins, cephalosporins, chloramphenicol, macrolides, quinolones and fluoroquinolins, tetracycline and aminoglycosides

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1. Write down the pharmacology of quinolones and fluroquinolones
2. Define and classify sulphonamides . Give its MOA, side effects and uses

05 MARKS QUESTION

1. Give the classification of cephalosporin with MOA DEPTH OF BIOLOGY
2. Describe the pharmacology of cotrimoxazole
3. Explain chloramphenicol [its pharmacology]
4. Explain macrolides antibiotics DEPTH OF BIOLOGY
5. Classify aminoglycosides and write down its MOA
6. Elaborate the general principle of chemotherapy

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UNIT-III

10hours

3. Chemotherapy

- a. Antitubercular agents
- b. Antileprotic agents
- c. Antifungal agents
- d. Antiviral drugs
- e. Anthelmintics
- f. Antimalarial drugs
- g. Antiamoebic agents

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10 MARKS QUESTION

1. Classify anti-tubercular drugs. Elaborate the first line drugs
2. Define and classify anti-viral drugs. Discuss its MOA
3. Define anti-malarial drugs. Write down its MOA with classification

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05 MARKS QUESTION

1. Explain anti-fungal agents & classify it

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02 MARKS QUESTION

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1. Explain antileprotic agents with example
2. Explain anthelmintic with example
3. Explain anti amoebic with example

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UNIT-IV

08hours

3. Chemotherapy

- l. Urinary tract infections and sexually transmitted diseases.
- m. Chemotherapy of malignancy.

4. Immunopharmacology

- a. Immunostimulants
- b. Immunosuppressant

Protein drugs, monoclonal antibodies, target drugs to antigen, biosimilars

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05 MARKS QUESTION

1. Give detailed note on STD
2. Define UTI
3. Explain monoclonal antibodies
4. Write down difference between immunostimulant and immunosuppressant

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02 MARKS QUESTION

1. What is biosimilar?
2. Explain monoclonal antibodies
3. Define immunostimulants with examples
4. Define immunosuppressants with examples
5. Elist some diseases under STD

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UNIT-V

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07hours

5. Principles of toxicology

- a. Definition and basic knowledge of acute, subacute and chronic toxicity.
- b. Definition and basic knowledge of genotoxicity, carcinogenicity, teratogenicity and mutagenicity
- c. General principles of treatment of poisoning
- d. Clinical symptoms and management of barbiturates, morphine, organophosphorus compound and lead, mercury and arsenic poisoning.

6. Chronopharmacology

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- a. Definition of rhythm and cycles.
- b. Biological clock and their significance leading to chronotherapy.

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10 MARKS QUESTION

1. Describe clinical symptoms & management of barbiturates
2. Write a brief note on general principle of treatment of poisoning
3. What is biological clock. Discuss the role of circadian rhythm in occurrence and severity of disease

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05 MARKS QUESTION

1. Write short note on acute toxicity
2. Write a short note on teratogenicity
3. Clinical symptoms , treatment and management of morphine/ barbiturates

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02 MARKS QUESTION

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1. Explain teratogenicity/ genotoxicity/ carcinogenicity/ mutagenicity
2. Explain chronic toxicity & acute toxicity
3. Define rhythm cycle
4. Define mutagen with example
5. Enlist significance of chronotherapy
6. Explain general principle of chemotherapy

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