



- Notes :
1. All questions are compulsory.
  2. Illustrate your answers wherever necessary with the help of neat sketches.

**1. Multiple Choice Questions.**

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- 1) Codeine is used clinically as-----
  - a) Analgesic
  - b) Antitussive
  - c) Antidiarrheal
  - d) All of the above
- 2) Which of the following drugs inhibits theophylline metabolism & raises its plasma concentration.
  - a) Phenytoin
  - b) Ciprofloxacin
  - c) Levofloxacin
  - d) Rifampicin
- 3) Select the fastest acting inhalation bronchodilators.
  - a) Ipratropium Bromide
  - b) Formoterol
  - c) Salbutamol
  - d) Salmeterol
- 4) The following vascular bed is constricted by caffeine.
  - a) Coronary
  - b) Cutaneous
  - c) Cranial
  - d) Mesenteric
- 5) Primary role of antacids in peptic ulcer is -----
  - a) Pain relief
  - b) Ulcer healing
  - c) H-pylori eradication
  - d) All of the above
- 6) Which of the following drugs is a gastric acid resistant.
  - a) Penicillin G
  - b) Penicillin V
  - c) Carbenicillin
  - d) Procaine penicillin
- 7) To be a useful inhaled glucocorticoids the drug should have ----
  - a) High oral bioavailability
  - b) Low oral bioavailability
  - c) Additional Bronchodilator activity
  - d) Prodrug character
- 8) Currently the drug of choice for empiric treatment of typhoid fever is -----
  - a) Chloramphenicol
  - b) Cotrimoxazole
  - c) Ciprofloxacin
  - d) Ampicillin

- 9) The most frequent side effect of oral ampicillin is-
  - a) Nausea and Vomiting
  - b) Loose motions
  - c) Aminoglycosides Antibiotic's
  - d) Macrolide antibiotics
- 10) The following chelating agent used in iron poisoning.
  - a) Desferrioxamine
  - b) Penicillamine
  - c) Dimercaprol
  - d) EDTA
- 11) One of the following bronchodilator is rata short acting.
  - a) Epinephrine
  - b) Metaproterenol
  - c) Albuterol
  - d) Salmeterol
- 12) Which one of the following medications can lead to diarrhea?
  - a) Clindamycin
  - b) Metoclopramide
  - c) Reserpine
  - d) All of the above
- 13) The most common adverse effect of sulfonamide.
  - a) Photosensitivity
  - b) Crystalluria
  - c) Bone marrow depression
  - d) Hepatitis
- 14) Which antibiotics shows bone marrow depression.
  - a) Chloramphenicol
  - b) Aminoglycoside
  - c) Penicillin
  - d) Tetracycline
- 15) If the NSAID's interact with fluoroquinolone it result in
  - a) Enhance the toxicity of EQS
  - b) Reflect GABA antagonistic activity
  - c) Seizure occur
  - d) all of the above
- 16) Women menstrual cycle is an example of
  - a) Circadian rhythm
  - b) Infradian rhythm
  - c) Ultradian rhythm
  - d) None of the above
- 17) The anionic detergent used as laxative
  - a) Docusate
  - b) Bisacodyl
  - c) Liquid Paraffin
  - d) Senna
- 18) The receptor which relay the emetic signal.
  - a) Histamine
  - b) serotonin
  - c) Dopamine
  - d) All of the above
- 19) Why antacids are no longer used for healing peptic ulcer?
  - a) Required in large amount
  - b) Causing bowel upset
  - c) Cause acid rebound effect
  - d) All of the above
- 20) Clinically used nasal decongestant are
  - a) Adrenaline
  - b) Isoprenaline
  - c) Ephedrine
  - d) Noradrenaline

**2.** Long answer questions solve **any two.** **20**

- i) Classify various drugs used as anti-asthmatic and explain their mechanism of action, pharmacokinetics and adverse effects.
- ii) Explain pathophysiology of nasal decongestants. Give examples of drug used to treat nasal congestion.
- iii) Describe the pathogenesis of urinary tract infections. Explain the various clinical features of lower & upper UTIs.

**3.** Short answer questions solve **any seven.** **35**

- i) Explain proton pump inhibitors.
- ii) Classify antiviral drugs. Explain their mechanism of action.
- iii) Explain Bronchodilators used in Cop D.
- iv) Explain MOA of DAPSONE.
- v) Explain various emetic agents used to induce vomiting.
- vi) Short note on :
  - a) Penicillin's
  - b) Cephalosporins
- vii) Explain B-lactam antibiotics with example.
- viii) Explain drug therapies to suppress appetite.
- ix) Classify immunosuppressant drugs.

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