

**Pharmacology**

(MCQ's)

Time Allowed: 60 Minutes

Total Marks: 60

**Instructions**

1. All MCQ's are to be attempted on the paper and returned to the invigilator within 45 Minutes after you have received the question paper.
2. Any cuttings or overwriting in answering the objective part will not be accepted and no marks will be given even if the answer is correct.
3. Write your Roll No. only on the perforated portion of the title page.
4. Do not write your name or disclose your identity in anyway.

1. Which of the following is correct about Idiosyncratic reaction of a drug  
a. A type of hypersensitivity reaction  
b. A type of drug antagonism  
c. Unpredictable, inherent, qualitatively abnormal reaction to a drug  
d. Quantitatively exaggerated response  
e. A type of metabolism **C**
2. The requirement of higher dose of a drug to produce the same response is called  
a. Accumulation  
b. Tolerance  
c. Withdrawl  
d. Synergism **B**
3. The ratio of median toxic dose to median effective dose is:  
a. Antagonism  
b. Therapeutic index  
c. Allergy  
d. Dependence **B**
4. A site on the cell with which an agonist binds to bring about a change is called:  
a. Receptor  
b. Effector  
c. Antagonist  
d. Enzyme **A**

5. The unresponsiveness of a microorganism to antimicrobial agent is called:
  - a. Tolerance
  - b. Dependence
  - c. Resistance
  - d. Tachyphylaxis
6. Which of the following drugs improves some symptoms in Alzheimer's dementia by increasing brain acetylcholine levels
  - a. Pemoline
  - b. Tacrine
  - c. Adrenaline
  - d. Atropine
7. If the effect of combination of two is the sum of their individual effects, the two drugs are exhibiting
  - a. Potentiation
  - b. Synergism
  - c. Cross tolerance
  - d. Antagonism
8. A receptor which itself has enzymatic property is said to be
  - a. Insulin receptor
  - b. Progesterone receptor
  - c. Thyroxine receptor
  - d. Glucagon receptor
9. Which of the following drugs is considered to be the agent of choice for anaphylactic reactions?
  - a. Clonidine
  - b. Isoproterenol
  - c. Epinephrine
  - d. Phenylephrine
10. Which of the following statements is true for pro drug
  - a. The prototype member of a class of drugs
  - b. The oldest member of a class of drugs
  - c. An inactive drug that is transformed in the body to an active metabolite
  - d. A drug that is stored in body tissues and is then gradually released in the circulation
11. All of the following are adverse effects of Adrenaline Except
  - a. Pin point pupil
  - b. Pulmonary edema
  - c. Brain Stroke
  - d. Arrhythmias
12. What is the main mechanism by which dobutamine shows its effect
  - a. Alpha-adrenergic agonist
  - b. Alpha-adrenergic antagonist
  - c. Beta1-adrenergic agonist
  - d. Beta1-adrenergic antagonist
13. All of the following are therapeutic uses of Calcium Channels Blockers except
  - a. Hypertension
  - b. Heart failure
  - c. Migraine
  - d. Intermittent Claudication

C

B

B

A

C

C

A

C

B

14. A patient of hyperlipidemia is started with simvastatin. Which of the following is a major mechanism of this drug

- a. Increased excretion of bile acid
- b. Increased secretion of VLDL by the liver
- c. Inhibition of HMG coa reductase
- d. Increased binding with bile acids

C

15. The specific antidote for warfarin is:

- a. Vitamin K
- b. Folic acid
- c. Protamine sulfate
- d. All of the above

A

16. Which of the following is the mode of action of Cardiac glycosides

- a. Opening K channel
- b. Opening Na channels
- c. Inhibiting Na/K pump
- d. Inhibiting Ca channels

C

17. Which of the following antiarrhythmic drugs has longest half life?

- a. Adenosine
- b. Quinidine
- c. Amiodarone
- d. Lidocaine

C

18. A patient of hyperlipidemia is started on simvastatin. Which of the following is a major mechanism of this drug

- a. Increased excretion of bile acid
- b. Increased secretion of vldl by the liver
- c. Inhibition of HMG CO A reductase
- d. Increased binding with bile acid

C

19. Which of the following drugs is a Class IA antiarrhythmic drug:

- a. Sotalol
- b. Propranolol
- c. Verapamil
- d. Quinidine

D

20. Great caution must be exercised in the use of which of the following drugs in parkinsonian patients who have prostatic hypertrophy or obstructive gastrointestinal disease

- a. Benztropine
- b. Carbidopa
- c. Levodopa
- d. Ropinirole

A

21. The anticholinergic which is used only as preanaesthetic medication is

- a. Atropine
- b. Glycopyrrolate
- c. Isopropamide
- d. Dicyclomine

A

30. Which of the following is most likely to slow recovery from hypoglycemia in a diabetic patient (Masking treating some)  
a. Br  
b. Ca  
c. Phe  
d. Sele

31. Which of the following is a full antagonist of opioid receptors?  
a. Meperidine  
b. Buprenorphine  
c. Naloxone  
d. Butorphanol

22. Which drug is most likely to slow recovery from hypoglycemia in a diabetic patient (Masking) who has taken an excessive dose of insulin?  
a. Metoprolol  
b. Doxazosin  
c. Propranolol  
d. Phenoxybenzamine

C

23. Postural hypotension is a common adverse effect of which one of the following types of drugs?  
a. ACE inhibitors  
b. Alpha-receptor blockers  
c. Nonselective beta blockers  
d. None of the above

B

24. All of the following are non-selective Beta Blockers except.  
a. Atenolol  
b. Carteolol  
c. Labetalol  
d. Propranolol

A

25. In an asthmatic person which group of drug should be avoided for treatment of glaucoma?  
a. Pilocarpine  
b. Epinephrine  
c. Timolol  
d. Latanoprost

C

26. Which of followings is an adverse effect of quinidine  
a. Cinchonism  
b. Constipation  
c. Lupus erythmatosis  
d. Hyperthyroidism

A

27. Which of the following local anesthetics is called a universal anesthetic  
a. Ropivacaine  
b. Lidocaine  
c. Bupivacaine  
d. Cocaine

B

28. Which of the following agents is a full antagonist of opioid receptors?  
a. Meperidine  
b. Buprenorphine  
c. Naloxone  
d. Butorphanol

C

29. The antidote that may be of great benefit in early management of acetaminophen organ specific toxicity is  
a. N-acetylcysteine  
b. Atropine  
c. Physostigmine  
d. Pralidoxime

A

30. Which of following drugs is useful as a selective inhibitor of monoamine oxidase type B in treating some cases of parkinsonism?  
a. Bromocriptine  
b. Carbidopa  
c. Phenelzine  
d. Selegiline **D**
31. Which of the following drugs is associated with Hyperkalemia?  
a. Hydrochlorothiazide  
b. Spironolactone  
c. Mannitol  
d. Furosemide **B**
32. Where is the site of action of furosemide?  
a. Proximal collecting Tubule  
b. Ascending loop of Henle  
c. Descending loop of Henle  
d. Distal collecting duct **B**
33. Which of the following drugs is fibrinolytic?  
a. Ticlopidine  
b. Streptokinase  
c. Aspirin  
d. Warfarin **B**
34. Persistent dry cough may occur as a side effect of the following antihypertensive drug  
a. Enalapril  
b. Atenolol  
c. Diltiazem  
d. Methyldopa **A**
35. Which of the following antihypertensive is used topically to treat alopecia areata  
a. Hydralazine  
b. Prazosin  
c. Minoxidil  
d. Guanethidine **C**
36. All of the following drugs are antibiotics except  
a. Streptomycin  
b. Penicillin  
c. Co-trimoxazole  
d. Chloramphenicol **?**
37. Aminoglycosides inhibit bacterial protein synthesis by binding to  
a. 30s ribosomal subunit  
b. DNA  
c. Peptidoglycan units in the cell wall  
d. RNA polymerase **A**
38. The most serious adverse effect of streptomycin is  
a. Nausea in vomiting  
b. Vestibular dysfunction  
c. Allergic reactions  
d. Skin rash **B**

39. Quinolones are contraindicated in children under 12 years of age because they.

- a. Nephrotoxicity
- b. Ototoxicity
- c. Destruction of growing cartilage
- d. Bone marrow depression

C

40. Drug commonly used for oro-pharyngeal thrush is.

- a. Clotrimazole
- b. Miconazole
- c. Nystatin
- d. Neomycin

C

41. Which of the following is inverse agonist of benzodiazepine receptors

- a. Flumazenil
- b. Beta-Carbolines
- c. Chlordiazepoxide
- d. Glutethimide

A

42. The triad of coma, pinpoint pupil and decreased respiration points toward poisoning with

- a. Organophosphorus
- b. Morphine
- c. Mushroom
- d. Belladonna

B

43. The primary mechanism of action of benzodiazepine is

- a. Dopamine antagonism
- b. Adenosine antagonism
- c. Opening up of chloride channel
- d. Facilitation of GABA mediated chloride influx

D

44. A 35 years old patient complaining of severe pain along the Rt. Side of jaw and face. The best choice of this neuralgic pain is:

- a. Methadone
- b. Ibuprofen
- c. Carbamazepine
- d. Lorazepam

C

45. Which of the following drugs is peripheral dopa decarboxylase inhibitor:

- a. Tolcapone
- b. Clozapine
- c. Carbidopa
- d. Selegiline

C

46. Oral contraceptives bear an increased risk of :

- a. Thromboembolism
- b. Weight loss
- c. Ovarian cancer
- d. Dysmenorrhea

A

produce anti-inflammatory and metabolic effect. Glucocorticoids inhibit which of the following

- a. Cyclooxygenase.
- b. Lipoxygenase.
- c. Phospholipase A2.
- d. Xanthine oxidase.

C

48. Which of the following drug is a potent inhibitor of corticosteroid synthesis and is used in severe Cushing's disease?

- a. Dexamethasone.
- b. Hydrocortisone.
- c. Ketoconazole
- d. Prednisone.

C

49. Glucocorticoids have been proved to be effective in the treatment of all the following except

- a. Addison's diseases
- b. Bronchial Asthma
- c. Anaphylaxis
- d. Osteoporosis

D

50. Select the chemotherapeutic agent that causes cardiac toxicity.

- a. cyclophosphamide.
- b. tamoxifen.
- c. methotrexate.
- d. doxorubicin

D

51. Which of the following drug is most likely responsible for hemorrhagic cystitis?

- a. doxorubicin
- b. cyclophosphamide(Acrolin).
- c. Fluorocil
- d. Tamoxifen

B

52. Which of the following drug is effective in treatment of pseudomembranous colitis?

- a. Vancomycin
- b. Ampicillin
- c. Cephalosporin's
- d. Tetracycline's

A

53. Which of the following antibiotics exhibits a long post antibiotic effect that permits once daily dosing?

- a. Gentamicin
- b. Penicillin G
- c. Vancomycin
- d. Chloramphenicol

A

54. Which of following is most appropriate choice for onychomycosis of toe nails

- a. Terbinafine
- b. Miconazole
- c. Itraconazole
- d. Griseofulvin

A

55. Which of following agents is considered a narrow spectrum antibiotic

- a. Ceftriaxone
- b. Ciprofloxacin
- c. Isoniazid
- d. Imipenem

C

56. Following drugs are used as first line treatment of Tuberculosis except

- a. Rifampin
- b. Pyrazinamide
- c. Isoniazid
- d. Cycloserine

D

57. Which of the following drugs acts by increasing insulin secretion?

- a. biguanides
- b. sulfonylureas
- c. Acarbose
- d. thiazolidenidions

B

58. Which of the following insulin preparation is used in diabetic ketoacidosis:

- a. Regular insulin
- b. Lente insulin
- c. NPH insulin
- d. Glargine insulin

A

59. A 50 years old lady having breast cancer may be treated with which of the following drugs has effects on estrogen receptors

- a. Ethinyl estradiole
- b. Flutamide.
- c. Leuprolide.
- d. Tamoxifen.

D

60. Which of the following is usually the most appropriate drug for post coital contraceptive use

- a. Sildenafil
- b. Mifepristone.
- c. Raloxifene.
- d. Ritodrine.

B