

PROFESSIONAL MBBS  
SEND UP EXAMINATION 2018

**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 **B**  
c. Allergy  
d. Dependence
4. A site on the cell with which an agonist binds to bring about a change is called:  
a. Receptor **A**  
b. Effector  
c. Antagonist  
d. Enzyme

5. The unresponsiveness of a microorganism to antimicrobial agent is called  
 a. Tolerance  
 b. Dependence  
 c. Resistance  
 d. Tachyphylaxis  
 C
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  
 B
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  
 B
8. A receptor which itself has enzymatic property is said to be  
 a. Insulin receptor  
 b. Progesterone receptor  
 c. Thyroxine receptor  
 d. Glucagon receptor  
 A
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  
 C
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  
 C
11. All of the following are adverse effects of Adrenaline Except  
 a. Pin point pupil  
 b. Pulmonary edema  
 c. Brain Stroke  
 d. Arrhythmias  
 A
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  
 C
13. All of the following are therapeutic uses of Calcium Channels Blockers except  
 a. Hypertension  
 b. Heart failure  
 c. Migraine  
 d. Intermittent Claudication  
 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 co 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

23. 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 erythematosis
- 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 Hyperkaemia?

- 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. Otolotoxicity
- 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

- duce anti-inflammatory and metabolic effect. Glucocorticoids inhibit which of the following
- Cyclooxygenase.
  - Lipoxygenase.
  - Phospholipase A2.
  - Xanthine oxidase.
48. Which of the following drug is a potent inhibitor of corticosteroid synthesis and is used in severe Cushing's disease?
- Dexamethasone.
  - Hydrocortisone.
  - Ketaconazole
  - Prednisone.
49. Glucocorticoids have been proved to be effective in the treatment of all the following except
- Addison's diseases
  - Bronchial Asthma
  - Anaphylaxis
  - Osteoporosis
50. Select the chemotherapeutic agent that causes cardiac toxicity.
- cyclophosphamide.
  - tamoxifen.
  - methotrexate.
  - doxorubicin
51. Which of the following drug is most likely responsible for hemorrhagic cystitis?
- doxorubicin
  - cyclophosphamide(Acrolin).
  - Fluorocil
  - Tamoxifen
52. Which of the following drug is effective in treatment of pseudomembranous colitis?
- Vancomycin
  - Ampicillin
  - Cephalosporin's
  - Tetracycline's
53. Which of the following antibiotics exhibits a long post antibiotic effect that permits once daily dosing?
- Gentamicin
  - Penicillin G
  - Vancomycin
  - Chloramphenicol
54. Which of following is most appropriate choice for onychomycosis of toe nails
- Terbinafine
  - Micafungin
  - Itraconazole
  - Griseofulvin

C

C

D

D

B

A

A

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 b 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 u

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

B



# Pharma send-up 2018 MCQ Key

- ① C
- ② B
- ③ B
- ④ A
- ⑤ C
- ⑥ B
- ⑦ B
- ⑧ A
- ⑨ C
- ⑩ D
- ⑪ A
- ⑫ C
- ⑬ B
- ⑭ C
- ⑮ A
- ⑯ C
- ⑰ C
- ⑱ C
- ⑲ D
- ⑳ A
- ㉑ A
- ㉒ C
- ㉓ B
- ㉔ A
- ㉕ C
- ㉖ A
- ㉗ B

- ㉘ C
- ㉙ A
- ㉚ D
- ㉛ B
- ㉜ B
- ㉝ B
- ㉞ A
- ㉟ C
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- ㊳ B
- ㊴ C
- ㊵ C
- ㊶ B
- ㊷ D
- ㊸ C
- ㊹ C
- ㊺ A
- ㊻ C
- ㊼ C
- ㊽ D
- ㊾ D
- ㊿ B
- 51 B
- 52 A
- 53 A
- 54 A

- 55 C
- 56 D
- 57 B
- 58 A
- 59 D
- 60 B

Axmani