



BRAINWARE UNIVERSITY

Term End Examination 2021 - 22

Programme – Diploma in Pharmacy

Course Name – Pharmaceutical Chemistry- II

Course Code - 2.2T

(Year II)

Time allotted : 1 Hrs.35 Min.

Full Marks : 80

[The figure in the margin indicates full marks.]

Group-A

(Multiple Choice Type Question)

1 x 80=80

Choose the correct alternative from the following :

- (1) Which drug is used as a bronchodialator in asthma?
 - a) Salbutamol
 - b) Propranolol
 - c) Atropine
 - d) Chlorpromazine
- (2) Local anaestheticis used along with adrenaline for
 - a) Short duration of
 - b) Prolonging the action
 - c) For increasing therapeutic effect
 - d) None of these
- (3) Which of the following is a type of synthetic cholinergic antagonist?
 - a) Atropine
 - b) Hyoscine
 - c) Homatropine
 - d) Hyosciamine
- (4) Which antibiotic is steroidal in nature?
 - a) Fucidic acid
 - b) Neomycin
 - c) Rifampicin
 - d) Gentamycin
- (5) Which tranquilizer has muscle relaxant property?
 - a) Chlorpromazine
 - b) Haloperidol
 - c) Diazepam
 - d) Chlorpromazine
- (6) Which of the following is a liquid?
 - a) chloral hydrate
 - b) paraldehyde
 - c) carbromal
 - d) sodiumvalporate
- (7) Which of the following local anasthetic is not an ester?
 - a) procaine
 - b) lignocaine
 - c) lidocaine
 - d) benzocaine
- (8) Which of the following does not contain nitrogen in its elemental composition?

- a) Ethisterone
c) Quinine
- b) Frusemide
d) Quinine
- (9) Which of the following is not an local anaesthetic
- a) Cocaine
c) procaine
- b) lignocaine
d) lidocaine
- (10) Which of the following is an ester?
- a) aspirin
c) methoxyflurane
- b) methadone
d) adrenaline
- (11) Fucidin is the brand name of
- a) sodium fusidate
c) sodiumfusidic acid
- b) potassiumfusidate
d) potassiumfusidic acid
- (12) Example of non-competitive inhibitor is
- a) aspirin with COX
c) theophylline for phosphodiesterase
- b) disulfiram with aldehyde dehydrogenase
d) carbidopa for decarboxylase
- (13) Tachyphylaxis occurs in
- a) ephedrine
c) nicotine
- b) tyramine
d) All of these
- (14) Placebo for a dosage form of drug
- a) contains other substituted drug
c) contains no therapeutic active ingredient
- b) contains superior quality of same category
d) contains putrid drug
- (15) Tetracycline is contraindicated with
- a) iron
c) magnesium containing drug
- b) calcium containing antacid
d) All of these
- (16) Salicylates
- a) Block uricosuric acid of probenecid
c) Has no effect in action of probenecid
- b) Increase uricosuric acid of probenecid
d) None of these
- (17) Promethazine has side chain of
- a) 2 methyl amino propyl
c) Diethyl amino propyl
- b) chloro diphenyl methane
d) Amino propyl
- (18) Nor Epinephrine present in
- a) sympathetic nervous system
c) cholinergic nervous system
- b) para sympathetic nervous system
d) anti . cholinergic nervous system
- (19) Isoprenaline drugs are analogue of
- a) adrenaline
c) dopamine
- b) nor adrenline
d) None of these
- (20) Phenylephrine are acting onreceptors
- a) alpha
c) gamma
- b) beta
d) None of these
- (21) Terbutaline is used for
- a) ashthma
c) cough
- b) bronchitis
d) All of these
- (22) Acetylcholine produces

- a) nicotinic effect
b) muscarinic effect
c) Both nicotinic effect and muscarinic effect
d) None of these
- (23) Propranolol is abeta blocker
a) selective
b) non selective
c) Both selective and non selective
d) None of these
- (24) Pilocarpine is a
a) cholinergic drug
b) anticholinergic drug
c) adrenergic drug
d) None of these
- (25) Hyoscine is derived from
a) datura
b) scopolia
c) Both datura and scopolia
d) None of these
- (26) Tropicamide used as
a) nasal drop
b) eye drop
c) cough syrup
d) None of these
- (27) Benzotropine is used for
a) parkinsonism
b) movement disorder
c) Both parkinsonism and movement disorder
d) None of these
- (28) Identify the ACE inhibitor that is not an analog of amino acid proline
a) enalapril
b) lisinopril
c) ramipril
d) fosinopril
- (29) What is meant by a lead compound in medicinal chemistry?
a) drug containing the element lead.
b) A leading drug in a particular area of medicine.
c) A compound that acts as the starting point for drug design and development
d) A drug which is normally the first to be prescribed for a particular ailment.
- (30) Which of the following drugs was not isolated from a natural source?
a) quinine
b) morphine
c) isoniazid
d) artemisinin
- (31) General anaesthetic is useful because it causes:
a) Excellent analgesia
b) Unconsciousness
c) Muscle relaxation and unconsciousness
d) Abolition of reflexes
- (32) Which one of these barbiturates is used as intravenous anaesthetics?
a) Phenobarbitone
b) Barbitone
c) Thiopentone
d) All of these
- (33) All of the following are examples of prodrugs except
a) Levodopa
b) Enalapril
c) Omeprazole
d) Indomethacin
- (34) A sulphur drug that is widely used to treat ophthalmic infections is
a) Sulphadiazine
b) Sulphasuxidine
c) Sulphapyridine
d) Sulphacetamide
- (35) Insulin has _____ amino acids.
a) 49
b) 50
c) 51
d) 52

- (50) MAO means
- | | |
|--------------------------|-------------------------|
| a) Mono amine oxidase | b) Mono acyclic oxidase |
| c) Mono aldehyde oxidase | d) None of these |
- (51) Tricyclic antidepressants are (TCA)
- | | |
|------------------|-----------------|
| a) amitriptyline | b) doxepin |
| c) nortriptyline | d) All of these |
- (52) Chemically morphine is an
- | | |
|-------------|------------------|
| a) alkaloid | b) glycoside |
| c) protein | d) None of these |
- (53) Thiopentone sodium is administered
- | | |
|-----------|--------|
| a) orally | b) I.M |
| c) I.V | d) S.C |
- (54) Which local anaesthetic is not an ester?
- | | |
|---------------|---------------|
| a) benzocaine | b) procaine |
| c) cocaine | d) lignocaine |
- (55) Nitrofurantoin is most active when the pH of urinary tract is?
- | | |
|----------------|----------------|
| a) Neutral | b) Over 9.5 |
| c) Between 6-7 | d) 5.5 or less |
- (56) Isoniazide is useful in the treatment of
- | | |
|------------|------------|
| a) leprosy | b) malaria |
| c) TB | d) AIDS |
- (57) Which drug is used for the treatment of malaria, dysentery, arthritis, hepatitis?
- | | |
|--------------|------------------|
| a) quinine | b) chloroquine |
| c) mepacrine | d) metronidazole |
- (58) Which adrenergic drug occurs in plants?
- | | |
|---------------|----------------|
| a) adrenaline | b) ephedrine |
| c) salbutamol | d) amphetamine |
- (59) Which vitamin is very soluble in water?
- | | |
|---------------|-----------|
| a) folic acid | b) vit C |
| c) Vit K | d) Vit B1 |
- (60) Which semi synthetic penicillin is active against penicillinase?
- | | |
|----------------|-----------------|
| a) ampicillin | b) cloxacillin |
| c) amoxicillin | d) penicillin V |
- (61) Which semi synthetic penicillin is bactericidal in nature?
- | | |
|----------------|-----------------|
| a) oxacillin | b) cloxacillin |
| c) amoxicillin | d) penicillin V |
- (62) Which antibiotic is used against both TB and leprosy?
- | | |
|----------------|----------------|
| a) ampicillin | b) cloxacillin |
| c) amoxicillin | d) rifampicin |
- (63) Which antibiotic is used against septicaemia?
- | | |
|----------------|------------------|
| a) oxacillin | b) gentamycin |
| c) amoxicillin | d) carbenicillin |

- (64) Chemically aspirin is
- a) carboxylic acid
 - b) ether
 - c) ester
 - d) ketone
- (65) Which one is steroidal anti-inflammatory drug?
- a) paracetamol
 - b) prednisolone
 - c) ibuprofen
 - d) aspirin
- (66) Pethidine is a derivative of
- a) piperidine
 - b) pyridine
 - c) pyrimidine
 - d) None of these
- (67) Which of following drugs is used to stimulate heart?
- a) Aspirin
 - b) Morphine
 - c) Streptomycin
 - d) Digitalis
- (68) Nikethemide is a derivative of:
- a) piperidine
 - b) pyridine
 - c) pyrimidine
 - d) None of these
- (69) Diuretics drugs means
- a) decrease urine output
 - b) increase urine output
 - c) increase urine output
 - d) neutralise urine output
- (70) Mannitol diuretics should be given as
- a) infusion and injection
 - b) infusion and saline
 - c) Both infusion and injection and infusion and saline
 - d) All of these
- (71) Which one is cardiovascular drug
- a) ethyl nitrite
 - b) alpha methyl dopa
 - c) clofibrate
 - d) All of these
- (72) Hypoglycemic drugs acts on
- a) Diabetes mellitus
 - b) diabetes insipidus
 - c) Both Diabetes mellitus and diabetes insipidus
 - d) None of these
- (73) Which one is coming under biguanides
- a) phenformin
 - b) metformin
 - c) pioglitazone
 - d) Both phenformin and metformin
- (74) Insulin is secreted from
- a) liver
 - b) liver
 - c) pancreas
 - d) intestine
- (75) Quinidine derived from
- a) belladonna tree
 - b) datura tree
 - c) cinchona tree
 - d) zatropa tree
- (76) An oral antifungal agent is:
- a) Soproinol
 - b) Desenex
 - c) Undecylenic acid
 - d) Griseofulvin
- (77) Which one of the following local anesthetics belongs to the ester group?

- a) Procaine
- c) Lignocaine

- b) Bupivacaine
- d) Mepivacaine

(78) Diuretic used in hypokalemic state:

- a) Frusemide
- c) Bumetamide

- b) Thiazide
- d) Spiranolactone

(79) β -blockers are contraindicated in

- a) Congestive cardiac failure
- c) Anxiety

- b) Hypertension
- d) None of these

(80) BAL is used for _____ poisoning.

- a) Mercury
- c) Copper

- b) Lead
- d) Iron