



BRAINWARE UNIVERSITY

Term End Examination 2021 - 22
Programme – Bachelor of Pharmacy
Course Name – Pharmacology I
Course Code - BP404T
(Semester IV)

Time allotted : 1 Hrs.30 Min.

Full Marks : 75

[The figure in the margin indicates full marks.]

Group-A

(Multiple Choice Type Question)

1 x 75=75

Choose the correct alternative from the following :

- (1) Study of drug in humans is termed as:

a) Pharmacy	b) Clinical Pharmacology
c) Experimental Pharmacology	d) Toxicology
- (2) Name of a drug accepted by a scientific body USAN (united state adopted names) council is :

a) Generic name	b) Chemical name
c) Brand name	d) None of these
- (3) Which one of the following statement is correct pharmacokinetically?

a) Acidic drugs unionized at alkaline pH	b) Basic drugs are unionized at acidic pH
c) Basic drug ionized at alkaline pH	d) Acidic drug ionized more in alkaline pH
- (4) Which one of the following statement is not correct about the pharmacokinetic of drug in pregnancy?

a) Decline in total plasma protein	b) Increase in total amount of body fluid
c) The volume of distribution of drug remain unchanged	d) The binding affinity of basic drug increased
- (5) Irreversible cholinesterase inhibitors form which type of bond with their receptor?

a) Covalent bond	b) Ionic bond
c) Hydrogen bond	d) None of these
- (6) Which one of the following classes of the drug does not act on any type of receptor?

a) CNS stimulant	b) Steroid
c) General anesthetics	d) Antacid
- (7) How many helixes are present in G-Protein receptor?

- a) Six helix
c) Seven helix
- b) Three helix
d) Five helix
- (8) Insulin produces their action by acting on which one of the following receptor?
a) G-protein receptor
c) Ion channel receptor
- b) Tyrosine kinase receptor
d) Cytosine receptor
- (9) Use of which of the following may be associated with significant anticholinergic side effect
a) Diazepam
c) Amitriptyline
- b) Lithium
d) Chlorpromazine
- (10) Selectivity of Dopamine is towards
a) α and β antagonist
c) α agonist
- b) α and β agonist
d) β agonist
- (11) Which one of the following acts as cholinesterase reactivator?
a) Atropine
c) Pirenzepine
- b) Pralidoxime
d) Ipratropium
- (12) Cardioselective beta blocker is
a) atenolol
c) Labetelol
- b) Sotalol
d) Propranolol
- (13) Therapeutic use of Amphetamine is
a) Uterine relaxant
c) Nasal decongestant
- b) CNS stimulant
d) Bronchodilator
- (14) Which one of the following is long acting, high efficacy injectable local anesthetic?
a) Procaine
c) Prilocaine
- b) Lignocaine
d) Tetracaine
- (15) Which one of the following is selective β_1 agonist?
a) Nor epinephrine
c) Isoproterenol
- b) Feneterol
d) Dopamine
- (16) Which one of these barbiturates is used as intravenous anesthetic?
a) Phenobarbitone
c) Thiopentone
- b) Barbitone
d) All of these
- (17) One of the following benzodiazepines does not produce active metabolite is ____.
a) Diazepam
c) Chlordiazepoxide
- b) Flurazepam
d) Oxazepam
- (18) Toptramate is sulfamate substituted ____.
a) Monosaccharide
c) Disaccharide
- b) Alkaloi
d) None of these
- (19) GABA receptor subtypes are -
a) 3 types
c) 2 types
- b) 5 types
d) 4 types
- (20) Which one of the following is not an amide?
a) Lignocaine
c) Procaine
- b) Mepivacaine
d) Dibucaine
- (21) Which of the following muscle relaxant has the maximum duration of action?

- a) Completely ionized
c) Unionized
- b) Partially ionized
d) In cationic form
- (35) Half life of aspirin
a) 4hr
c) 6hr
- b) 2hr
d) 50 minutes
- (36) Drug interact with their receptor sites by forming
a) Coordinate covalent bond
c) Ionic bond
- b) Covalent bond
d) Vander wall forces
- (37) Which one of the following statement is wrong pharmacokinetically
a) Weakly acidic drug form salt with anions
c) Weakly basic drug form salt with cations
- b) Weakly acidic drug form salt with cations
d) Weakly acidic drugs ionize more at alkaline pH
- (38) The selectivity of drug action depend upon
a) Size of the drug
c) Electric charge of the drug
- b) Chemical structure of the drug
d) All of these
- (39) One of the following is not G-protein coupled receptor
a) Ach
c) GABA-A
- b) Beta- adrenergic
d) 5-HT₂
- (40) Which one of the following is an example of ion channel receptor
a) Serotonin
c) Dopaminergic
- b) Nicotinic
d) Muscarinic
- (41) At resting state the membrane is permeable to one of the following ions
a) Potassium
c) Calcium
- b) Sodium
d) Magnesium
- (42) Tick the second messenger of G-protein-coupled (metabotropic) receptor:
a) Adenylyl cyclase
c) Phospholipase C
- b) Sodium ions
d) cAMP
- (43) For endocrine signaling one of the following receptor may involve
a) G-protein receptor
c) Ion channel receptor
- b) Protein kinase receptor
d) Nuclear receptor
- (44) Acetyl salicylate & phenobarbitone are better absorbed from stomach because they are
a) Weak acids remain non-ionic in gastric pH
c) Strong acids fully ionized in gastric pH
- b) Weak acids remain ionic in gastric pH
d) Weak bases which are ionized at gastric pH
- (45) The factors contributing to the unequal distribution of drugs are all except:
a) Binding to plasma proteins
c) Concentration in body fat
- b) Cellular binding
d) Heterogeneity of the drug
- (46) Write down the full form of CDSCO
a) Central drugs standard control organization
c) Central drugs standard committee organization
- b) Committee of drug standard control organization
d) None of these
- (47) Drug allergy is also known as

- a) Hypersensitivity
c) Adverse sensitivity
- b) Super-sensitivity
d) Idiosyncrasy
- (48) Time sequence of the event is related to drug administration is called-
- a) DE challenge
c) Temporal relationship
- b) RE challenge
d) Temporal event
- (49) The role of protein kinase is
- a) Transfer of phosphate from ATP to serine residue
c) Cleavage of phosphor-Inositol pyrophosphate
- b) Active adenylyl cyclase
d) Degrade cyclic AMP
- (50) Dopamine intravenous drip is preferred in hypotensive shock because
- a) It increase the BP by producing vasoconstriction
c) It increase the BP without affecting renal blood flow
- b) It increase both BP as well as renal blood flow
d) It increase the BP without affecting myocardial contractility
- (51) Which one of the following agents is a pharmacological odd one?
- a) Pindolol
c) Oxprenolol
- b) Nadolol
d) Alprenolol
- (52) Beta blockers are contraindicated in all of the following except one
- a) Diabetes
c) Angina
- b) Congestive heart failure
d) Asthma
- (53) Local anesthetics may act by-
- a) Block the release of neurotransmitters
c) Increase the release of inhibitory neurotransmitters
- b) Block the influx of sodium in to the cell
d) Inhibit the efflux of sodium from neurons
- (54) Which one of the local anesthetics is metabolized by liver microsome ?
- a) ropivacaine
c) Tetracaine
- b) Procaine
d) Benzocaine
- (55) Which one of the following is long acting, high efficacy injectable local anesthetics?
- a) Procaine
c) Prilocaine
- b) Lignocaine
d) Tetracaine
- (56) One of the following beta blocker to be avoided in renal failure
- a) Propranolol
c) Metoprolol
- b) Atenolol
d) Oxprenolol
- (57) One of the following is an selective α_1 antagonist
- a) Methoxamine
c) Prazosin
- b) Phentolamine
d) Clonidine
- (58) Therapeutic use of Terbutaline is
- a) CNS stimulant
c) CNS depressant
- b) Nasal decongestant
d) Bronchodilator
- (59) Among stages of general anaesthesia 2nd stage is called
- a) Analgesia
c) Analgesia and excitement
- b) Excitement
d) Surgical anaesthesia

(74) The antidepressant causes less degree of sedation is

- a) Amitriptyline
- b) Amoxapine
- c) Trazodone
- d) Doxepin

(75) The short acting, selective MAO-A inhibitor is

- a) Tranylcypromine
- b) Phenelzine
- c) Isoniazid
- d) Moclobemide