



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	b) Three helix
c) Seven helix	d) Five helix

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

- a) Cholinergic
c) Dopaminergic
- b) GABAergic
d) Adrenergic
- (23) Which one of the following drugs is an atypical antidepressant
a) Imipramine
c) Fluvoxamine
- b) Moclobemide
d) Mianserin
- (24) One of the following antidepressant used in smoking cessation
a) Bupropion
c) Meclobemide
- b) Imipramine
d) Fluoxetine
- (25) Which one of the following statement is wrong for carbidopa?
a) It increase half life of levodopa
c) Inhibit dopamine decarboxylase
- b) Decreases the peripheral conversion of dopamine
d) Affect the central conversion to dopamine
- (26) Which one of the following CNS stimulant is used as a respiratory stimulant?
a) Doxapram
c) Amphetamine
- b) Strychnine
d) Cocaine
- (27) β endorphine is found in the amino acid sequence of
a) Proenkephalin -B
c) Melanocyte stimulating hormone
- b) β lipoprotein
d) Adrenocorticotrophic hormone
- (28) One of the following statements is wrong for lithium carbonate
a) Decrease the NA and DA
c) Inhibiting the action of ADH
- b) Decrease the level of 5 HT
d) Decrease the inositol level
- (29) Oily injection is preferably given by :
a) Subcutaneous route
c) Intravenous route
- b) Intramuscular route
d) None of these
- (30) Which of the following is an expectorant agent?
a) Codeine
c) Glyceryl guaiacolate
- b) Dextromethorphan
d) Glycine
- (31) Which of the following is true about the blood-brain barrier?
a) Endothelial cells of the blood-brain barrier have slit junctions.
c) Drugs cannot cross the blood-brain barrier through specific transporters.
- b) Ionized or polar drugs can cross the blood-brain barrier easily.
d) Lipid-soluble drugs readily cross the blood-brain barrier.
- (32) At subcutaneous or intramuscular administration bioavailability of drug is low because
a) Due to incomplete absorption
c) Due to large binding of drug
- b) Due to first pass metabolism
d) None of these
- (33) Majority of drug are transported across the membrane by
a) Passive diffusion
c) Facilitated transport
- b) Active transport
d) Complete ionized
- (34) Maximum movement of drug occurs across the membrane by
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

- (50) Dopamine intravenous drip is preferred in hypotensive shock because
- a) It increase the BP by producing vasoconstriction
 - b) It increase both BP as well as renal blood flow
 - c) It increase the BP without affecting 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
 - b) Nadolol
 - c) Oxprenolol
 - d) Alprenolol
- (52) Beta blockers are contraindicated in all of the following except one
- a) Diabetes
 - b) Congestive heart failure
 - c) Angina
 - d) Asthma
- (53) Local anesthetics may act by-
- a) Block the release of neurotransmitters
 - b) Block the influx of sodium in to the cell
 - c) Increase the release of inhibitory neurotransmitters
 - d) Inhibit the efflux of sodium from neurons
- (54) Which one of the local anesthetics is metabolized by liver microsome ?
- a) ropivacaine
 - b) Procaine
 - c) Tetracaine
 - d) Benzocaine
- (55) Which one of the following is long acting, high efficacy injectable local anesthetics?
- a) Procaine
 - b) Lignocaine
 - c) Prilocaine
 - d) Tetracaine
- (56) One of the following beta blocker to be avoided in renal failure
- a) Propranolol
 - b) Atenolol
 - c) Metoprolol
 - d) Oxprenolol
- (57) One of the following is an selective α_1 antagonist
- a) Methoxamine
 - b) Phentolamine
 - c) Prazosin
 - d) Clonidine
- (58) Therapeutic use of Terbutaline is
- a) CNS stimulant
 - b) Nasal decongestant
 - c) CNS depressant
 - d) Bronchodilator
- (59) Among stages of general anaesthesia 2nd stage is called
- a) Analgesia
 - b) Excitement
 - c) Analgesia and excitement
 - d) Surgical anaesthesia
- (60) Which one of these is non – barbiturate, used for pediatric anaesthesia?
- a) Ketamine
 - b) Morphine
 - c) Nikethamide
 - d) None of these
- (61) Which one of the following barbiturates is act as ultra short acting
- a) Thiopental
 - b) Pentobarbital
 - c) Secobarbital
 - d) phenobarbital
- (62) Which one of the following antiepileptic is enhances GABAergic inhibition?
- a) Valproic acid
 - b) Gabapentin
 - c) Primidone
 - d) Vigabatin
- (63) The drug commonly used with nitrous oxide for neuroleptanesthesia is
- a) Morphine and droperidol
 - b) Fentanyl and droperidol

- c) Fentanyl and haloperidol
d) Morphine and haloperidol
- (64) The short acting opioid analgesic used in anesthetic practice is
a) Morphine
b) Alfentanil
c) Fentanyl
d) Sufentanil
- (65) All of the following anesthetics agent cause increase in intracranial pressure, except
a) Halothane
b) Isoflurane
c) Desflurane
d) Enflurane
- (66) Chronic alcohol abuse can cause all of the following types of anemia, except
a) Megaloblastic anemia
b) Iron deficiency anemia
c) Pernicious anemia
d) Hemolytic anemia
- (67) Flumazenil is
a) Diazepam inverse agonist
b) Diazepam antagonist
c) Opioid antagonist
d) Opioid inverse agonist
- (68) Inverse agonist benzodiazepine receptor is
a) Phenobarbitone
b) Flumazenil
c) Beta-carboline
d) Gabapentin
- (69) All of the following antiepileptic agents act via sodium channel except
a) Vigabatrin
b) Phenytoin
c) Valproate
d) Lamotrigine
- (70) Which general anesthetic has minimal cardiac effect
a) Cocaine
b) Benzocaine
c) Procaine
d) Nitrous oxide
- (71) Which part of the brain involve in positive symptoms of schizophrenia
a) Basal ganglia
b) Nigrostriatal area
c) Mesocortical area
d) Limbic area
- (72) The most frequent side effect of lithium therapy is
a) Edema
b) Tremor
c) Aphasia
d) Mental confusion
- (73) Which one of the following areas contain both MAO-A and MAO-B
a) Brain
b) Placenta
c) Liver
d) Platelets
- (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