

### Subject : Pharmacology

Q. No. 1 0121001	Zafirlukast is a drug that can best be classified as a (an)
Option A	Leukocyte stimulant
Option B	Carbonic anhydrase inhibitor
Option C	Leukotriene oxidase inhibitor
Option D	Leukotriene formation inhibitor
Correct Option	<b>D</b>

Q. No. 2 0121002	Colestipol HCl can best be classified as a (an)
Option A	HMG-CoA reductase inhibitor
Option B	Nicotine derivative
Option C	Potassium-sparing diuretic
Option D	Bile acid sequestrant
Correct Option	<b>D</b>

Q. No. 3 0121003	Which of the following antiarrhythmic agents is associated with an adverse effect known as cinchonism?
Option A	Acebutolol
Option B	Quinidine
Option C	Qjudinine
Option D	Disopyramide
Correct Option	<b>B</b>

Q. No. 4 0121004	Benzodiazepines appear to act as anxiolytics by
Option A	Altering the sodium ion influx into the CNS
Option B	Altering the calcium ion influx into the CNS
Option C	Potentiating the effects of GABA
Option D	Interfering with the amine pump
Correct Option	<b>C</b>

Q. No. 5 0121005	Which of the following is a COMT inhibitor?
Option A	Selegiline
Option B	Carbidopa
Option C	Disulfiram
Option D	Tolcapone
Correct Option	<b>D</b>

Q. No. 6 0121006	Which of the following morphine derivatives is most likely to cause dependence?
Option A	Hydrocodone
Option B	Ethylmorphine
Option C	Methylmorphine

Option D	Diacetylmorphine
Correct Option	<b>D</b>

Q. No. 7 0121007	A common adverse effect associated with the chronic use of magnesium antacids is
Option A	Nausea and vomiting
Option B	Gastrointestinal bleeding
Option C	Flatulence
Option D	Diarrhoea
Correct Option	<b>D</b>

Q. No. 8 0121008	Endorphins are
Option A	Endogenous neurotransmitters
Option B	A new class of topical anti-inflammatory agents
Option C	Neuromuscular blocking agents
Option D	Endogenous opioid peptides
Correct Option	<b>D</b>

Q. No. 9 0121009	Which of the following agent is most similar in pharmacological action to miglitol?
Option A	Acarbose
Option B	Lispro Insulin
Option C	Pioglitazone
Option D	Glipizide
Correct Option	<b>A</b>

Q. No. 10 0121010	Amrinone is most similar in action to which one of the following?
Option A	Nadolol
Option B	Lidocaine
Option C	Digoxin
Option D	Valsartan
Correct Option	<b>C</b>

Q. No. 11 0121011	Aspirin single dose 75 mg is believed to inhibit clotting by its action on which of the following endogenous substances?
Option A	Endorphin A
Option B	Thromboxane A <sub>2</sub>
Option C	Fibrinogen
Option D	Xanthine oxidase
Correct Option	<b>B</b>

Q. No. 12 0121012	The primary site of action of spironolactone and triamterene is the
Option A	Glomerulus
Option B	Descending loop of henle
Option C	Proximal tubule
Option D	Distal tubule

Correct Option	<b>D</b>
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Q. No. 13 0121013	Iron is required by the body to maintain normal
Option A	Oxygen transport
Option B	Leukocyte development
Option C	Ascorbic acid absorption
Option D	Bone growth
Correct Option	<b>A</b>

Q. No. 14 0121014	Prolonged use of organic nitrates (eg, nitroglycerin) is likely to result in the development of
Option A	Hepatotoxicity
Option B	Tolerance
Option C	Aplastic anaemia
Option D	Nephrotoxicity
Correct Option	<b>B</b>

Q. No. 15 0121015	Repaglinide is believed to work by
Option A	Decreasing the absorption of carbohydrates
Option B	Decreasing hepatic gluconeogenesis
Option C	Stimulating the release of insulin from the pancreas
Option D	reducing glucagon secretion from the pancreas
Correct Option	<b>C</b>

Q. No. 16 0121016	Which one of the following is an effect of Atropine on the human body?
Option A	Decreased sweating
Option B	Decreased heart rate
Option C	Produces miosis
Option D	Increased gastrointestinal motility
Correct Option	<b>A</b>

Q. No. 17 0121017	Which one of the following statements best describes the mechanism of action of Ranitidine
Option A	It interferes with the synthesis of histamine in the body.
Option B	It forms an inactive complex with histamine.
Option C	It stimulates the metabolism of endogenous histamine.
Option D	It blocks the receptor sites on which histamine acts.
Correct Option	<b>D</b>

Q. No. 18 0121018	Tamoxifen can best be characterized as a (an)
Option A	Gonadotropin-releasing hormone analog
Option B	Estrogen
Option C	Antiestrogen
Option D	Progestin
Correct Option	<b>C</b>

Q. No. 19 0121019	Advantages of acetaminophen over aspirin include all of the following except
Option A	Greater anti-inflammatory action
Option B	Less gastric irritation
Option C	No occult blood loss
Option D	No appreciable effect on uric acid excretion
Correct Option	<b>A</b>

Q. No. 20 0121020	Which of the following drugs may be used in the treatment of diabetes insipidus?
Option A	Chlorpropamide
Option B	Lypressin
Option C	Insulin
Option D	Glyburide
Correct Option	<b>B</b>

Q. No. 21 0121021	Cromolyn sodium is a drug that is
Option A	A mast cell stabilizer
Option B	A histamine antagonist
Option C	A synthetic corticosteroid
Option D	A leukotriene inhibitor
Correct Option	<b>A</b>

Q. No. 22 0121022	Which one of the following antibiotics is a third-generation cephalosporin?
Option A	Cefoxitin
Option B	Cefonicid
Option C	Cephalexin
Option D	Cefixime
Correct Option	<b>D</b>

Q. No. 23 0121023	Metoclopramide is most similar in action to which of the following drugs?
Option A	Bisacodyl
Option B	Orlistat
Option C	Loperamide
Option D	Cisapride
Correct Option	<b>D</b>

Q. No. 24 0121024	Beta carotene is considered to be a precursor for
Option A	Betaseron
Option B	Beta interferon
Option C	Tocopherol
Option D	Vitamin A
Correct Option	<b>D</b>

Q. No. 25 0121025	Which route of administration is most likely to subject a drug to a first pass metabolism/effect?
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Option A	Intravenous
Option B	Inhalational
Option C	Oral
Option D	Sublingual
Correct Option	<b>C</b>

Q. No. 26 0121026	Of the following, which is a phase II biotransformation reaction?
Option A	Sulfate conjugation
Option B	Sulfoxide formation
Option C	Nitro reduction
Option D	Ester hydrolysis
Correct Option	<b>A</b>

Q. No. 27 0121027	Which of the following is classified as belonging to the tyrosine kinase family of receptors?
Option A	GABAA receptor
Option B	Insulin receptor
Option C	Nicotinic II receptor
Option D	Hydrocortisone receptor
Correct Option	<b>B</b>

Q. No. 28 0121028	Why is vitamin B6 usually prescribed with isoniazid (INH)?
Option A	It acts as a cofactor for INH
Option B	It prevents some adverse effects of INH therapy
Option C	Like INH, it has tuberculostatic activity
Option D	It prevents metabolism of INH
Correct Option	<b>B</b>

Q. No. 29 0121029	Compared to subcutaneous injection, the intramuscular injection of drugs:
Option A	Is more painful
Option B	Produces faster response
Option C	Is unsuitable for depot preparations
Option D	Carries greater risk of anaphylactic reaction
Correct Option	<b>B</b>

Q. No. 30 0121030	The quinolone derivative that is most effective against Pseudomonas aeruginosa is
Option A	Norfloxacin
Option B	Ciprofloxacin
Option C	Enoxacin
Option D	Lomefloxacin
Correct Option	<b>B</b>

Q. No. 31 0121031	The drug used in all types of TB is
Option A	Ethambutol

Option B	Cycloserine
Option C	INH
Option D	Streptomycin
Correct Option	<b>C</b>

Q. No. 32 0121032	Clavulanic acid is important because it
Option A	Inactivates bacterial beta lactamases
Option B	Easily penetrates Gram-negative microorganisms
Option C	Is specific for Gram-positive microorganisms
Option D	Is a potent inhibitor of cell-wall transpeptidase
Correct Option	<b>A</b>

Q. No. 33 0121033	The mechanism of action of chloroquine in Plasmodium falciparum malaria is elimination of
Option A	Secondary tissue schizonts
Option B	Exoerythrocytic schizonts
Option C	Erythrocytic stage
Option D	Asexual forms
Correct Option	<b>C</b>

Q. No. 34 0121034	Of the following, the most appropriate statement concerning the reactions caused by aminoglycosides is that these agents
Option A	Produce ototoxicity
Option B	Are potent neuromuscular blockers
Option C	Have little or no effect on kidneys
Option D	Produce a high incidence of hypersensitivity reactions similar to those of penicillins
Correct Option	<b>A</b>

Q. No. 35 0121035	Which of the following may cause damage to growing cartilage especially age under 18yr?
Option A	Fluoroquinolones
Option B	Sulfonamides
Option C	Aminoglycosides
Option D	Tetracyclines
Correct Option	<b>A</b>

Q. No. 36 0121036	Which of the following best describes ampicillin's effect on therapeutically administered estrogens?
Option A	It decreases estrogen metabolism
Option B	It decreases the enterohepatic circulation of estrogen
Option C	It decreases the plasma protein binding of estrogen
Option D	It decreases the renal excretion of estrogen
Correct Option	<b>B</b>

Q. No. 37 0121037	Actions of bradykinin include the following except:
Option A	Fall in blood pressure
Option B	Cardiac depression

Option C	Increase in capillary permeability
Option D	Bronchoconstriction
Correct Option	<b>B</b>

  

Q. No. 38 0121038	The phase of the cell cycle that is resistant to most chemotherapeutic agents and requires increased dosage to obtain a response is the
Option A	M phase
Option B	G2 phase
Option C	S phase
Option D	G0 phase
Correct Option	<b>D</b>

  

Q. No. 39 0121039	Which of the following is a chemotherapeutic drug that possesses a mechanism of action involving alkylation?
Option A	Cyclophosphamide
Option B	Methotrexate
Option C	Tamoxifen
Option D	5-FU
Correct Option	<b>A</b>

  

Q. No. 40 0121040	Which of the following is considered to be the effective mechanism of action of the vinca alkaloids?
Option A	Inhibition of the function of microtubules
Option B	Damage and prevention of repair of DNA
Option C	Inhibition of DNA synthesis
Option D	Inhibition of protein synthesis
Correct Option	<b>A</b>

  

Q. No. 41 0121041	Which of the following 5-HT receptor is not a G protein coupled receptor?
Option A	5-HT1
Option B	5-HT2
Option C	5-HT3
Option D	5-HT4
Correct Option	<b>C</b>

  

Q. No. 42 0121042	The following is true of clopidogrel except:
Option A	It is a GPIIb/IIIa receptor antagonist
Option B	It inhibits fibrinogen induced platelet aggregation
Option C	It is indicated for prevention of stroke in patients with transient ischaemic attacks
Option D	It is a prodrug
Correct Option	<b>A</b>

  

Q. No. 43 0121043	Used as a laxative, liquid paraffin has the following drawbacks except:
Option A	It interferes with absorption of fat soluble vitamins
Option B	It is unpleasant to swallow
Option C	It causes griping

Option D	It can produce foreign body granulomas
Correct Option	<b>C</b>

Q. No. 44 0121044	Carbidopa is useful in the treatment of Parkinson's disease because it
Option A	Is a precursor of levodopa
Option B	Is a dopaminergic receptor agonist
Option C	Prevents peripheral biotransformation of L-dopa
Option D	Prevents a breakdown of dopamine
Correct Option	<b>C</b>

Q. No. 45 0121045	Sumatriptan succinate is effective for the treatment of acute migraine headaches by acting as
Option A	An antagonist at adrenergic receptors
Option B	A selective antagonist at histamine (H1) receptors
Option C	An inhibitor of prostacyclin synthase
Option D	A selective agonist at 5-hydroxytryptamine 1D (5-HT1D) receptors
Correct Option	<b>D</b>

Q. No. 46 0121046	The primary pharmacologic action of omeprazole is the reduction of
Option A	Volume of gastric juice
Option B	Gastric motility
Option C	Secretion of gastric acid
Option D	Secretion of intrinsic factor
Correct Option	<b>C</b>

Q. No. 47 0121047	Fat-soluble vitamins generally have a greater potential toxicity compared with water-soluble vitamins because they are
Option A	More essential to vital metabolic processes
Option B	Avidly stored by the body
Option C	Administered in larger doses
Option D	Involved in more essential metabolic pathways
Correct Option	<b>B</b>

Q. No. 48 0121048	Glucocorticoids are powerful anti-inflammatory agents. Which of the following is Not an anti-inflammatory mechanism of action of glucocorticoids?
Option A	Decreased secretion of proteolytic enzymes
Option B	Reduction in the release of cytokines, such as IL-1 and IL-2
Option C	Impairment of prostaglandin and leukotriene synthesis
Option D	Decreased number of circulating neutrophils
Correct Option	<b>D</b>

Q. No. 49 0121049	The release of ADH is suppressed by which of the following drugs to promote a diuresis?
Option A	Guanethidine
Option B	Acetazolamide
Option C	Chlorothiazide
Option D	Ethanol



Correct Option	<b>D</b>
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Q. No. 50 0121050	Tranexaemic acid is a specific antidote of:
Option A	Fibrinolytic drugs
Option B	Organophosphates
Option C	Barbiturates
Option D	Heparin
Correct Option	<b>A</b>

