

Question Paper Preview

Notations :

1. Options shown in green color and with ✓ icon are correct.
2. Options shown in red color and with ✗ icon are incorrect.

Question Paper Name:	Pharmacy 29th May 2018 Shift1
Subject Name:	Pharmacy
Creation Date:	2018-05-29 13:03:26
Duration:	120
Total Marks:	120
Display Marks:	No
Calculator:	None
Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required?:	No
Rough Sketch/Notepad Required?:	No
Protractor Required?:	No

Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 5113466001 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Formation of a covalent link between an enzyme inhibitor and an enzyme causes:

Options :

1. ✗ Competitive inhibition
2. ✗ Non-competitive inhibition
3. ✓ Irreversible inhibition
4. ✗ Reversible inhibition

Question Number : 2 Question Id : 5113466002 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Anaerobic glycolysis of one molecule of glucose produces:

Options :

1. ✓ 2 ATP molecules
2. ✗ 6 ATP molecules
3. ✗ 8 ATP molecules
4. ✗ 38 ATP molecules

Question Number : 3 Question Id : 5113466003 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Carnitine acyltransferase I is inhibited by:

Options :

1. ✗ Acetyl-CoA
2. ✓ Malonyl-CoA
3. ✗ Hydroxyacyl-CoA
4. ✗ Fatty acyl-carnitine

Question Number : 4 Question Id : 5113466004 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following intermediate products of the Urea cycle is formed in the mitochondrial matrix of liver:

Options :

1. ✗ Arginine
2. ✗ Fumarate
3. ✓ Carbamoyl phosphate
4. ✗ Argininosuccinate

Question Number : 5 Question Id : 5113466005 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is a disease caused by the defective purine metabolism:

Options :

1. ✘ Type II Diabetes
2. ✘ Orotic aciduria
3. ✘ Atherosclerosis
4. ✔ Gout

Question Number : 6 Question Id : 5113466006 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is an example of Type B Adverse drug reaction:

Options :

1. ✘ Bleeding from Warfarin
2. ✘ Nausea from Digoxin
3. ✔ Breast necrosis from Warfarin
4. ✘ Ataxia from Phenytoin

Question Number : 7 Question Id : 5113466007 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Therapeutic Drug Monitoring is not required for:

Options :

1. ✘ Lithium
2. ✘ Theophylline
3. ✘ Gentamicin
4. ✔ Omeprazole

Question Number : 8 Question Id : 5113466008 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The combination of ACE inhibitors and Spironolactone can increase the risk of:

Options :

1. ✔ Hyperkalemia

2. ✘ Tachycardia
3. ✘ Bradycardia
4. ✘ Orthostatic Hypotension

Question Number : 9 Question Id : 5113466009 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Ingestion of tyramine-rich foods should be avoided with:

Options :

1. ✘ Tetracyclines
2. ✔ Monoamine oxidase inhibitors
3. ✘ Anti-coagulants
4. ✘ Beta blockers

Question Number : 10 Question Id : 5113466010 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which one of the following statements is TRUE:

Options :

1. ✘ Serum creatinine is a biochemical marker to measure hepatic impairment
2. ✘ Aminoglycosides are prescribed at higher doses during renal impairment
3. ✔ Estimate GFR is used for maintenance drug dose adjustment in chronic renal failure
4. ✘ Estimate GFR is used for maintenance drug dose adjustment in liver cirrhosis

Question Number : 11 Question Id : 5113466011 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is used to determine the size distribution of particles in suspension:

Options :

1. ✔ Photon correlation spectroscopy
2. ✘ Nitrogen-adsorption isotherm

3. ✘ Liquid displacement method

4. ✘ Air permeability method

Question Number : 12 Question Id : 5113466012 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A solid is nonporous, when:

Options :

1. ✘ The true density is greater than the granule density

2. ✘ The granule density is greater than the true density

3. ✔ The true and granule densities are identical

4. ✘ The ratio of the true density to the granule density is 0.5

Question Number : 13 Question Id : 5113466013 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following has a lower HLB value:

Options :

1. ✔ Antifoaming agents

2. ✘ Detergents

3. ✘ Solubilizing agents

4. ✘ Wetting agents

Question Number : 14 Question Id : 5113466014 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Bingham bodies exhibits:

Options :

1. ✘ Pseudoplastic flow

2. ✘ Dilatant flow

3. ✘ Newtonian flow

4. ✓ Plastic flow

Question Number : 15 Question Id : 5113466015 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Clathrates are:

Options :

1. ✗ Channel-type compounds
2. ✓ Cage-type compounds
3. ✗ Layer-type compounds
4. ✗ Channel lattice-type compounds

Question Number : 16 Question Id : 5113466016 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The half-life of a second-order reaction is:

Options :

1. ✗ Directly proportional to the initial concentration of the reactant
2. ✗ Independent of the initial concentration of the reactant
3. ✗ Inversely proportional to the square of the initial concentration of the reactant
4. ✓ Inversely proportional to the initial concentration of the reactant

Question Number : 17 Question Id : 5113466017 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is commonly used as a W/O emulgent:

Options :

1. ✗ Polyoxyethylene sorbitan monooleate
2. ✗ Triethanolamine oleate
3. ✗ Acacia
4. ✓ Sorbitan monooleate

Question Number : 18 Question Id : 5113466018 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Roller compaction is a:

Options :

1. ✘ Wet granulation process
2. ✔ Dry granulation process
3. ✘ Direct compression process
4. ✘ Drying process

Question Number : 19 Question Id : 5113466019 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The moisture content of the hard gelatin capsule shell should range between:

Options :

1. ✔ 13-16% w/w
2. ✘ 3-6% w/w
3. ✘ 20-25% w/w
4. ✘ 1-3% w/w

Question Number : 20 Question Id : 5113466020 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A mixture of organic acids and sodium bicarbonate is commonly used in the formulation of:

Options :

1. ✘ Chewable tablets
2. ✘ Sublingual tablets
3. ✘ Lozenges
4. ✔ Effervescent Tablets

Question Number : 21 Question Id : 5113466021 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following aerosol containers is not suitable for high pressure aerosol formulations:

Options :

1. ✘ Tin-free steel containers
2. ✘ Aluminum containers
3. ✘ Stainless steel containers
4. ✔ Uncoated glass containers

Question Number : 22 Question Id : 5113466022 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In an aerosol bottle valve assembly, Delrin is used to manufacture:

Options :

1. ✔ Housing
2. ✘ Dip tube
3. ✘ Gasket
4. ✘ Spring

Question Number : 23 Question Id : 5113466023 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following ingredients is used to increase the residence time of an ophthalmic solution in the eye:

Options :

1. ✘ Benzalkonium chloride
2. ✔ Hydroxypropylmethylcellulose
3. ✘ Benzethonium chloride
4. ✘ Sodium metabisulphite

Question Number : 24 Question Id : 5113466024 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Hydrous Lanolin is an example for:

Options :

1. ✘ O/W emulsion ointment bases
2. ✘ Oleaginous ointment bases
3. ✘ Water-miscible ointment bases
4. ✔ W/O emulsion ointment bases

Question Number : 25 Question Id : 5113466025 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is used to measure the melting time of the entire suppository:

Options :

1. ✘ Micromelting range test
2. ✘ Softening time test
3. ✔ Macromelting range test
4. ✘ Liquefaction time test

Question Number : 26 Question Id : 5113466026 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

LAL test for parenterals is usually performed at:

Options :

1. ✘ 37 °C for 120 min
2. ✘ 25 °C for 60 min
3. ✘ 37 °C for 180 min
4. ✔ 37 °C for 60 min

Question Number : 27 Question Id : 5113466027 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Total parenteral nutrition emulsions are administered:

Options :

1. ✘ Subcutaneously
2. ✘ Intramuscularly
3. ✘ Intraperitoneally
4. ✔ Intravenously

Question Number : 28 Question Id : 5113466028 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In the sugar coating process, desired color to the tablet is imparted during

Options :

1. ✔ Smoothing
2. ✘ Subcoating
3. ✘ Sealing
4. ✘ Finishing

Question Number : 29 Question Id : 5113466029 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is not used as a solvent in nail lacquer remover preparations:

Options :

1. ✘ Acetone
2. ✘ Ethyl acetate
3. ✔ Hexane
4. ✘ Isopropyl alcohol

Question Number : 30 Question Id : 5113466030 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Zinc pyrithione is commonly used in shampoo preparations as:

Options :

1. ✘ Conditioning agent
2. ✘ Foam stabilizer
3. ✘ Opacifying agent
4. ✔ Antidandruff agent

Question Number : 31 Question Id : 5113466031 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following ingredients is added to the toothpaste formulation to prevent the paste from drying out and hardening to an unacceptable level:

Options :

1. ✘ Calcium carbonate
2. ✔ Sorbitol
3. ✘ Sodium Saccharin
4. ✘ Sodium Fluoride

Question Number : 32 Question Id : 5113466032 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Mascara is applied to the:

Options :

1. ✔ Eyelashes
2. ✘ Eyelids
3. ✘ Eyebrows
4. ✘ Lips

Question Number : 33 Question Id : 5113466033 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Intravenous administration of Immunoglobulins to a patient is an example of:

Options :

1. ✘ Naturally acquired active immunity
2. ✘ Artificially acquired active immunity
3. ✘ Naturally acquired passive immunity
4. ✔ Artificially acquired passive immunity

Question Number : 34 Question Id : 5113466034 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Oral polio vaccine is:

Options :

1. ✘ An inactivated vaccine
2. ✘ A killed vaccine
3. ✔ An attenuated vaccine
4. ✘ A toxoid vaccine

Question Number : 35 Question Id : 5113466035 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The sterilizing action of ethylene oxide is based on:

Options :

1. ✘ Oxidation reaction
2. ✘ Carboxylation reaction
3. ✘ Redox reaction
4. ✔ Alkylation reaction

Question Number : 36 Question Id : 5113466036 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is not used as a biological indicator for sterilization processes:

Options :

1. ✓ *Escherichia coli*
2. ✗ *Bacillus stearothermophilus*
3. ✗ *Geobacillus stearothermophilus*
4. ✗ *Bacillus subtilis*

Question Number : 37 Question Id : 5113466037 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

As per I.P., *Micrococcus luteus* is used as a test organism for microbiological assay of:

Options :

1. ✗ Tetracycline
2. ✓ Bacitracin
3. ✗ Nystatin
4. ✗ Gentamicin

Question Number : 38 Question Id : 5113466038 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

According to I.P., one of the following media is suitable for the culture of fungi:

Options :

1. ✗ Fluid Thioglycollate Medium
2. ✗ Alternative Thioglycollate Medium
3. ✓ Soyabean-casein digest medium
4. ✗ Thioglycollate Medium

Question Number : 39 Question Id : 5113466039 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following statements is INCORRECT about Hybridoma technology:

Options :

1. ✗ Hybridomas are formed by the fusion of B cells and Myeloma cells

2. ✓ Hybridomas are fused in HAT medium
3. ✗ Hybridomas produce Monoclonal antibodies
4. ✗ Hybridoma fusion can be mediated using polyethylene glycol

Question Number : 40 Question Id : 5113466040 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Absorption of lipids in the small intestine is facilitated by:

Options :

1. ✓ Passive diffusion
2. ✗ Active transport
3. ✗ Carrier-mediated transport
4. ✗ Facilitated diffusion

Question Number : 41 Question Id : 5113466041 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following statements is TRUE about aqueous solubility of a drug:

Options :

1. ✗ Amorphous form has lower solubility than the crystalline form
2. ✗ Anhydrous form has lower solubility than the hydrates
3. ✓ Metastable polymorphs have greater solubility than the stable polymorphs
4. ✗ Hydrates have greater solubility than the organic solvates

Question Number : 42 Question Id : 5113466042 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Non-compartmental pharmacokinetic analysis is based on:

Options :

1. ✗ Mathematical models
2. ✗ Physiologic models

3. ✓ Statistical moments theory
4. ✗ Michaelis-Menten kinetic theory

Question Number : 43 Question Id : 5113466043 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following is not utilized to calculate absorption rate constants from plasma data:

Options :

1. ✗ Wagner-Nelson method
2. ✓ Sigma-minus method
3. ✗ Peeling technique
4. ✗ Feathering technique

Question Number : 44 Question Id : 5113466044 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Minimum number of half-lives required to reach steady state plasma concentration after continuous infusion of the maintenance dose of a drug:

Options :

1. ✗ 1-2
2. ✗ 2-3
3. ✗ 6-8
4. ✓ 4-5

Question Number : 45 Question Id : 5113466045 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In a bioequivalence study, statistical evaluation is not required for:

Options :

1. ✓ T_{max}
2. ✗ Peak serum concentration
3. ✗ AUC

4. ✘ C_{max}

Question Number : 46 Question Id : 5113466046 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The upper limit of a dose-response curve indicates:

Options :

1. ✘ Therapeutic index

2. ✘ Drug potency

3. ✔ Drug efficacy

4. ✘ Change in response per unit dose

Question Number : 47 Question Id : 5113466047 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is the drug of choice in the treatment of Status epilepticus:

Options :

1. ✔ Lorazepam

2. ✘ Carbamazepine

3. ✘ Clonazepam

4. ✘ Topiramate

Question Number : 48 Question Id : 5113466048 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is not an ocular hypotensive drug:

Options :

1. ✘ Acetazolamide

2. ✘ Timolol

3. ✘ Brimonidine

4. ✔ Ephedrine

Question Number : 49 Question Id : 5113466049 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Hydralazine is:

Options :

1. ✘ Venous dilator
2. ✔ Arterial dilator
3. ✘ High ceiling diuretic
4. ✘ Centrally acting sympatholytic

Question Number : 50 Question Id : 5113466050 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Mannitol acts as an Osmotic diuretic only when administered:

Options :

1. ✘ Orally
2. ✔ Intravenously
3. ✘ Intraperitoneally
4. ✘ Subcutaneously

Question Number : 51 Question Id : 5113466051 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Is a prokinetic drug:

Options :

1. ✔ Domperidone
2. ✘ Promethazine
3. ✘ Haloperidol
4. ✘ Ondansetron

Question Number : 52 Question Id : 5113466052 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following is not an inhaled glucocorticoid for asthma therapy:

Options :

1. ✘ Beclomethasone dipropionate
2. ✘ Budesonide
3. ✘ Fluticasone
4. ✔ Prednisolone

Question Number : 53 Question Id : 5113466053 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is a non-sedating antihistamine:

Options :

1. ✔ Fexofenadine
2. ✘ Promethazine
3. ✘ Chlorpheniramine
4. ✘ Meclizine

Question Number : 54 Question Id : 5113466054 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Aspirin is strictly contraindicated in one of the following disorders:

Options :

1. ✘ Acute rheumatic fever
2. ✔ Haemophilia
3. ✘ Postmyocardial infarction
4. ✘ Rheumatoid arthritis

Question Number : 55 Question Id : 5113466055 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is not a goitrogen:

Options :

1. ✘ Thiocyanate
2. ✘ Carbimazole
3. ✔ Sodium Iodide
4. ✘ Lithium

Question Number : 56 Question Id : 5113466056 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is an intermediate-acting insulin:

Options :

1. ✘ Insulin lispro
2. ✘ Insulin glargine
3. ✘ Regular Insulin
4. ✔ NPH Insulin

Question Number : 57 Question Id : 5113466057 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following exhibits weak anabolic activity:

Options :

1. ✘ Stanozolol
2. ✔ Danazol
3. ✘ Methandienone
4. ✘ Testosterone

Question Number : 58 Question Id : 5113466058 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Emergency postcoital contraceptive combined pill contains:

Options :

1. ✘ Only Ethinyl estradiol
2. ✘ Norethindrone and Levonorgestrel
3. ✔ Levonorgestrel and Ethinyl estradiol
4. ✘ Mifepristone and Levonorgestrel

Question Number : 59 Question Id : 5113466059 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

An example of pyrimidine antagonist:

Options :

1. ✘ Azathioprine
2. ✘ Fludarabine
3. ✘ Clofarabine
4. ✔ Cytarabine

Question Number : 60 Question Id : 5113466060 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Imatinib is used for:

Options :

1. ✔ Chronic Myeloid Leukemia
2. ✘ Chronic Lymphocytic Leukemia
3. ✘ Hodgkin Lymphoma
4. ✘ Multiple Myeloma

Question Number : 61 Question Id : 5113466061 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Mechanism of action of Tacrolimus is similar to:

Options :

1. ✘ Cyclophosphamide
2. ✔ Cyclosporine
3. ✘ Azathioprine
4. ✘ Mycophenolate Mofetil

Question Number : 62 Question Id : 5113466062 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following anticoagulants is safe to use in pregnancy:

Options :

1. ✘ Warfarin
2. ✘ Dabigatran
3. ✔ Low molecular weight heparin
4. ✘ Phenindione

Question Number : 63 Question Id : 5113466063 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is not used to lower triglycerides in the blood:

Options :

1. ✘ Niacin
2. ✘ Rosuvastatin
3. ✘ Fenofibrate
4. ✔ Cholestyramine

Question Number : 64 Question Id : 5113466064 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Selegiline is a:

Options :

1. ✓ Selective irreversible monoamine oxidase B inhibitor
2. ✗ Selective irreversible monoamine oxidase A inhibitor
3. ✗ Nonselective reversible monoamine oxidase B inhibitor
4. ✗ Nonselective irreversible monoamine oxidase A inhibitor

Question Number : 65 Question Id : 5113466065 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is an Analeptic:

Options :

1. ✗ Cocaine
2. ✗ Methylphenidate
3. ✓ Doxapram
4. ✗ Modafinil

Question Number : 66 Question Id : 5113466066 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following is used as an indicator in oxidation-reduction titrations:

Options :

1. ✗ Thymol blue
2. ✗ Methyl orange
3. ✗ Eriochrome Black T
4. ✓ Methylene blue

Question Number : 67 Question Id : 5113466067 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following approaches utilize thermal decomposition to monitor the sample's mass:

Options :

1. ✓ Volatilization gravimetry

2. ✘ Precipitation gravimetry
3. ✘ Electrogravimetry
4. ✘ Particulate gravimetry

Question Number : 68 Question Id : 5113466068 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Precision of a measurement is affected by:

Options :

1. ✘ Systematic errors
2. ✔ Random errors
3. ✘ Determinate errors
4. ✘ Personal errors

Question Number : 69 Question Id : 5113466069 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is an example of Secondary standard:

Options :

1. ✘ Sodium chloride
2. ✘ Sodium oxalate
3. ✔ Sodium hydroxide
4. ✘ Sodium carbonate

Question Number : 70 Question Id : 5113466070 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following types of ELISA has a higher sensitivity:

Options :

1. ✘ Direct ELISA
2. ✘ Indirect ELISA

3. ✘ Counting ELISA

4. ✔ Sandwich ELISA

Question Number : 71 Question Id : 5113466071 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In Potentiometry, Electrodes of the First Kind are considered as:

Options :

1. ✘ Reference electrodes

2. ✔ Metallic Indicator electrodes

3. ✘ Glass-membrane electrodes

4. ✘ Ion-selective electrodes

Question Number : 72 Question Id : 5113466072 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is not a component of Filter fluorometer:

Options :

1. ✔ Monochromator

2. ✘ Excitation filter

3. ✘ Secondary filter

4. ✘ Photomultiplier tube

Question Number : 73 Question Id : 5113466073 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

One of the following elements is not detectable by Flame photometry:

Options :

1. ✘ Sodium

2. ✘ Lithium

3. ✔ Chlorine

4. ✘ Barium

Question Number : 74 Question Id : 5113466074 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In Polarography, the relation between the diffusion current and the concentration of the depolarizer is explained by:

Options :

1. ✘ Nernst equation
2. ✔ Ilkovic equation
3. ✘ Ohm's law
4. ✘ Stokes shift

Question Number : 75 Question Id : 5113466075 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

On the basis of Wood Ward-Fieser Rules, parent value for α , β -unsaturated aldehydes is:

Options :

1. ✘ 215 nm
2. ✘ 253 nm
3. ✘ 202 nm
4. ✔ 210 nm

Question Number : 76 Question Id : 5113466076 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is known as the Fingerprint region in an IR spectrum:

Options :

1. ✔ 1300 to 400 cm^{-1}
2. ✘ 4000 to 1300 cm^{-1}
3. ✘ 2200 to 400 cm^{-1}

4. ✘ 2200 to 2600 cm^{-1}

Question Number : 77 Question Id : 5113466077 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In gas chromatography, a suitable carrier gas for an electron capture detector is:

Options :

1. ✘ Hydrogen

2. ✘ Synthetic air

3. ✔ Helium

4. ✘ Argon

Question Number : 78 Question Id : 5113466078 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A hydrophobic stationary phase is combined with a polar mobile phase in:

Options :

1. ✘ Normal-phase HPLC

2. ✔ Reversed-phase HPLC

3. ✘ Size-exclusion HPLC

4. ✘ Ion-exchange HPLC

Question Number : 79 Question Id : 5113466079 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The separation in SDS-PAGE is based on:

Options :

1. ✘ Shape

2. ✘ Charge

3. ✔ Molecular weight

4. ✘ pH

Question Number : 80 Question Id : 5113466080 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is not a component in Karl Fischer reagent:

Options :

1. ✓ Hydrochloric acid
2. ✗ Pyridine
3. ✗ Sulphur dioxide
4. ✗ Methanol

Question Number : 81 Question Id : 5113466081 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is an ex-officio member in the Pharmacy Council of India:

Options :

1. ✗ A representative of the University Grants Commission
2. ✓ The Director of the Central Drugs Laboratory
3. ✗ A representative of the All India Council for Technical Education
4. ✗ The Director of the Medical Council of India

Question Number : 82 Question Id : 5113466082 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

As per the Narcotic Drugs and Psychotropic Substances Act, 1985, punishment for contravention in relation to commercial quantity of opium poppy and opium involves:

Options :

1. ✗ Imprisonment for not less than six months
2. ✗ Imprisonment for not less than five years
3. ✓ Imprisonment for not less than ten years

4. ✘ Imprisonment for not less than one year

Question Number : 83 Question Id : 5113466083 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

A price fixed by the Government for Scheduled formulations in accordance with the provisions of Drug Price Control Order is called as:

Options :

1. ✔ Ceiling Price

2. ✘ Retail Price

3. ✘ Maximum retail price

4. ✘ Wholesale Price

Question Number : 84 Question Id : 5113466084 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

According to Drugs and Cosmetic Act, a drug shall be deemed to be Spurious if:

Options :

1. ✘ It consists, in whole or in part, of any filthy, putrid or decomposed substance

2. ✘ If it is not labelled in the prescribed manner

3. ✘ If it contains any harmful or toxic substance which may render it injurious to health

4. ✔ If it is imported under a name which belongs to another drug

Question Number : 85 Question Id : 5113466085 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

As per Drugs and Cosmetic Act, regulations and standards for Vaccines is included under:

Options :

1. ✘ Schedule F(II)

2. ✔ Schedule F(I)

3. ✘ Schedule F(III)

4. ✘ Schedule F(V)

Question Number : 86 Question Id : 5113466086 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

In case of benzodiazepine class of sedative hypnotics, the presence of a phenyl ring at 5th position:

Options :

1. ✘ Results in decrease in the potency
2. ✘ Will not alter the activity
3. ✔ Results in increase in the activity
4. ✘ Results in total loss of activity

Question Number : 87 Question Id : 5113466087 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The sedative activity in barbiturates is retained, only when:

Options :

1. ✘ Position-5 is mono substituted
2. ✘ Position-5 is unsubstituted
3. ✘ One of the hydrogen atoms at position-5 is replace with alkyl group
4. ✔ Both hydrogen atoms at position-5 are replaced with alkyl or aryl groups

Question Number : 88 Question Id : 5113466088 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Haloperidol belongs to the following class:

Options :

1. ✘ Phenothiazines
2. ✔ Butyrophenones
3. ✘ Benzazepines

4. ✖ Thiiothixenes

Question Number : 89 Question Id : 5113466089 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Choose the correct statement:

Options :

1. ✖ Dextro and levo isomers of amphetamine are equipotent
2. ✔ d-amphetamine is ten times more potent than l-amphetamine
3. ✖ l-amphetamine is ten times more potent than d-amphetamine
4. ✖ l-amphetamine has less cardiovascular side effects than d-amphetamine

Question Number : 90 Question Id : 5113466090 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Nifedipine, calcium channel blocker belongs to the following chemical class:

Options :

1. ✖ Arylalkylamines
2. ✖ Benzothiazepines
3. ✔ Dihydropyridines
4. ✖ Diaminopropanol ether

Question Number : 91 Question Id : 5113466091 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is not a prodrug:

Options :

1. ✖ Enalapril
2. ✖ Benazepril
3. ✔ Captopril
4. ✖ Ramipril

Question Number : 92 Question Id : 5113466092 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

An antilipidemic agent, which acts by inhibiting HMG-CoA reductase:

Options :

1. ✓ Simvastatin
2. ✗ Probucol
3. ✗ Colestipol
4. ✗ β -Sitosterol

Question Number : 93 Question Id : 5113466093 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Choose the CORRECT statement:

Options :

1. ✗ Procaine is more rapidly metabolized than Chlorprocaine
2. ✗ Chlorprocaine has longer duration of action than procaine
3. ✓ Chlorprocaine is more susceptible to ester hydrolysis than procaine
4. ✗ Procaine is used as topical local anesthetic

Question Number : 94 Question Id : 5113466094 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Chemical name of diphenhydramine is:

Options :

1. ✗ 2-(diphenylethoxy)-N,N-dimethylethanamine
2. ✗ 2-(diphenylmethoxy)-N,N-diethylethanamine
3. ✗ 2-(diphenylmethoxy)-N,N-dimethylpropanamine
4. ✓ 2-(diphenylmethoxy)-N,N-dimethylethanamine

Question Number : 95 Question Id : 5113466095 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Imipramine is:

Options :

1. ✘ Reversible inhibitor of MAO-A (RIMA)
2. ✔ Serotonin transport inhibitor (SERTI)
3. ✘ Selective norepinephrine transporter (NET) inhibitor
4. ✘ Selective norepinephrine reuptake inhibitor

Question Number : 96 Question Id : 5113466096 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Diphenylhydantoin is prepared by reaction of the following compounds:

Options :

1. ✘ Benzil and thiourea
2. ✔ Benzil and urea
3. ✘ Benzoin and thiourea
4. ✘ Benzoin and urea

Question Number : 97 Question Id : 5113466097 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Methicillin is:

Options :

1. ✘ Sensitive to inactivation by Penicillinase
2. ✘ Resistant to inactivation by moisture
3. ✘ Resistant to acid (pH of about 2)
4. ✔ Sensitive to inactivation by moisture but resistant to Penicillinase

Question Number : 98 Question Id : 5113466098 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

β -(Acylamino)ethyl moiety is present in the following sulfonyl urea class of hypoglycemic agent:

Options :

1. ✘ Tolbutamide
2. ✔ Glyburide
3. ✘ Gliclazide
4. ✘ Carbutamide

Question Number : 99 Question Id : 5113466099 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Propranolol, a β -blocker, is synthesized from:

Options :

1. ✔ 1-naphthol and epichlorohydrin
2. ✘ 2-naphthol and propylamine
3. ✘ 1-naphthol and methylepichlorhydrine
4. ✘ 2-naphthol and isopropylamine

Question Number : 100 Question Id : 5113466100 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Choose the CORRECT pair:

Options :

1. ✘ Methotrexate: Alkylating agent
2. ✘ Cyclophosphamide: Antimetabolite
3. ✔ Doxorubicin: Topoisomerase-II inhibitor
4. ✘ Vincristine: Protein kinase inhibitor

Question Number : 101 Question Id : 5113466101 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

When compared to Acetylcholine, Acetyl- α -methylcholine has:

Options :

1. ✘ Greater nicotinic and muscarinic activity
2. ✘ Greater nicotinic and less muscarinic activity
3. ✘ Less nicotinic and greater muscarinic activity
4. ✔ Decreased nicotinic and muscarinic activity

Question Number : 102 Question Id : 5113466102 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Vitamin E deficiency causes:

Options :

1. ✘ Elevation of calcium levels in blood
2. ✔ Sterility in male rats
3. ✘ Elevation of serum phosphate
4. ✘ Scurvy in humans

Question Number : 103 Question Id : 5113466103 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Choose the CORRECT pair:

Options :

1. ✘ Ferrous sulphate: Topical antiseptic
2. ✘ Aluminium hydroxide gel: Dentrifice
3. ✔ Zinc oxide: Astringent
4. ✘ Calamine: Antacid

Question Number : 104 Question Id : 5113466104 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Dilute nitric acid is used in the limit test for chlorides, because:

Options :

- ✘ It enhances the precipitation of chlorides by AgNO_3
- ✘ It makes the opalescence clearly visible
- ✘ Test opalescence is compared easily with standard in its presence
- ✔ It eliminates the interference by ions such as carbonates

Question Number : 105 Question Id : 5113466105 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Menadione is:

Options :

- ✘ Active metabolite of Phytonadione (Vitamin K1)
- ✔ A metabolic precursor to Vitamin K2
- ✘ Inactive metabolite of Vitamin K2
- ✘ An anticoagulant

Question Number : 106 Question Id : 5113466106 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is an example for chemical classification of crude drugs:

Options :

- ✔ Pilocarpus, Kola
- ✘ Cascara, Asoka
- ✘ Gelatin, Jalap
- ✘ Eucalyptus, Senna

Question Number : 107 Question Id : 5113466107 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is an example for unorganized drugs:

Options :

1. ✘ Nutmeg
2. ✔ Musk
3. ✘ Ajowan
4. ✘ Podophyllum

Question Number : 108 Question Id : 5113466108 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is an example of Biofertilizer:

Options :

1. ✘ Biogas slurry
2. ✘ Press mud
3. ✘ Fish meal
4. ✔ Rhizobium

Question Number : 109 Question Id : 5113466109 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Substitution with artificially prepared substances is done in:

Options :

1. ✔ Beeswax
2. ✘ Cloves
3. ✘ Cinchona
4. ✘ Ginger

Question Number : 110 Question Id : 5113466110 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The volatile content is not less than 15% v/w in:

Options :

1. ✘ Cardamom
2. ✘ Cassia
3. ✘ Lemongrass
4. ✔ Clove

Question Number : 111 Question Id : 5113466111 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is a chromoalkaloid:

Options :

1. ✘ Caffeine
2. ✘ Coniine
3. ✔ Betanin
4. ✘ Nicotine

Question Number : 112 Question Id : 5113466112 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Binary alkaloids are present in:

Options :

1. ✘ Vasaka
2. ✔ Catharanthus
3. ✘ Opium
4. ✘ Colchicum

Question Number : 113 Question Id : 5113466113 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Stone cells/Sclereids are absent in:

Options :

1. ✔ Rauwolfia

2. ✘ Kurchi
3. ✘ Cascara
4. ✘ Aconite

Question Number : 114 Question Id : 5113466114 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is used in combination with ergotamine tartrate for the treatment of migraine:

Options :

1. ✘ Quinine
2. ✔ Caffeine
3. ✘ Lobeline
4. ✘ Emetine

Question Number : 115 Question Id : 5113466115 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is an example for anthraquinone c-glycoside:

Options :

1. ✘ Sennoside 'A'
2. ✘ Sennoside 'D'
3. ✔ Carminic acid
4. ✘ Hyperoside

Question Number : 116 Question Id : 5113466116 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

The botanical name of Chinese ginseng is:

Options :

1. ✘ *Panax quinquefolius*
2. ✔ *Panax notoginseng*

3. ✘ *Panax ginseng*

4. ✘ *Panax pseudoginseng*

Question Number : 117 Question Id : 5113466117 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Kedde's test is a specific colour reaction for detection of:

Options :

1. ✘ Saponins

2. ✘ Flavonolignans

3. ✔ Cardenolides

4. ✘ Flavonoids

Question Number : 118 Question Id : 5113466118 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is a bicyclic monoterpene peroxide:

Options :

1. ✘ Camphor

2. ✘ Borneol

3. ✘ Santalol

4. ✔ Ascaridole

Question Number : 119 Question Id : 5113466119 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Which of the following is one of the active ingredients used in typical preparation for the treatment of muscular and joint pains:

Options :

1. ✔ Gaultheria oil

2. ✘ Lemongrass oil

3. ✘ Jatamansi

4. ✘ Davana oil

Question Number : 120 Question Id : 5113466120 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Ferric chloride solution produces pale green colour with:

Options :

1. ✘ Cassia oil

2. ✘ Clove oil

3. ✔ Cinnamon oil

4. ✘ Tulsi oil