

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
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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. ✖ Thiothixenes

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