AP PGECET QUESTION PAPER

2023



DWONLOAD

PDF

at

aglasem.com

Andhra Pradesh State Council of Higher Education

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 28th May 2023 Shift 1
Duration :	120
Total Marks :	120
Display Marks:	No
Share Answer Key With Delivery Engine :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No

Show Progress Bar :	No
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Pharmacy

Section Id :	78773218
Section Number :	1
Mandatory or Optional :	Mandatory
Number of Questions :	120
Section Marks :	120
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null

Question Number : 1 Question Id : 7877322041 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Among the following, which is an example for functional food

Options :

1. ✖ Morphine

2. ✖ Digoxin

3. ✖ Taxol

4.

✔ Redwine

Question Number : 2 Question Id : 7877322042 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Among the following, which one is used in the management of cognitive disorders

Options :

1. ✔ Galanthamine

2. ✖ Quinine

3. ✖ Quinidine

4. ✖ Curcumine

Question Number : 3 Question Id : 7877322043 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which produce the pollens in the plant, among the following

Options :

1. ✖ Calyx

2. ✖ Corolla

3. ✔ Androecium

4. ✖ Gynaecium

Question Number : 4 Question Id : 7877322044 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Callus culture can be easily initiated from the following tissues of shoots, roots

Options :

1. ✖ Sclerenchymatous

2. ✔ Collenchymatous

3. ✖ Parenchymatous

4. ✖ Fibrous

Question Number : 5 Question Id : 7877322045 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Stomata present in Senna are of following type

Options :

1. ✖ Anamocytic

2. ✔ Paracytic

3. ✖ Anisocytic

4. ✖ Diacytic

Question Number : 6 Question Id : 7877322046 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Trichomes with quadracellular head and sessible stalk are present in

Options :

1. ✖ Digitalis

2. ✖ Belladona

3. ✖ Hyoscyamus

4. ✔ Vasaka

Question Number : 7 Question Id : 7877322047 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Crystal fibres are not present in

Options :

1. ✖ Licorice

2. ✔ Cinnamon

3. ✖ Cascara

4. ✖ Senna

Question Number : 8 Question Id : 7877322048 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Stone cells with three side lignin thickening are found in

Options :

1. ✔ Kantakari

2. ✖ Rauwolfia

3. ✖ Senna

4. ✖ Cinchona

Question Number : 9 Question Id : 7877322049 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the microscopical study, which shows stonecells and crystal fibres

Options :

1. ✖ Cinchona

2. ✔ Licorice

3. ✖ Senna

4. ✖ Cascara

Question Number : 10 Question Id : 7877322050 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Star spots are found in

Options :

1. ✔ Rheum emodi

2. ✖ Rheum australe

3. ✖ Rheum officinalis

4. ✖ Rheum webbianum

Question Number : 11 Question Id : 7877322051 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Carminic acid belongs to

Options :

1. ✖ Flavonoid glycoside

2. ✖ Cardiac glycoside

3. ✖ Phenolic glycoside

4. ✔ Anthraquinone-c-glycoside

Question Number : 12 Question Id : 7877322052 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Geraniol is absent in the volatile oil of

Options :

1. ✔ Dill

2. ✖ Rose

3. ✖ Geranium

4. ✖ Palmarosa

Question Number : 13 Question Id : 7877322053 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Micropropogation of the plants is carried out through

Options :

1. ✖ Cross fertilization

2. ✖ Seed germination

3. ✔ Plant tissue culture

4. ✖ Grafting

Question Number : 14 Question Id : 7877322054 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Leaves of digitalis purpurea gives positive test for

Options :

1. ✖ Borntrager's test

2. ✔ Murexide test

3. ✖ Legal test

4. ✖ Thalleoquin test

Question Number : 15 Question Id : 7877322055 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Panaxadiol is a constituent of

Options :

1. ✔ Ginseng

2. ✖ Ginger

3. ✖ Ephedra

4. ✖ Digitalis

Question Number : 16 Question Id : 7877322056 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The pungent principle present in Ginger is

Options :

1. ✖ Zingiberol

2. ✖ Zingiberene

3.

✔ Gingerol

4. ✖ Zingerone

Question Number : 17 Question Id : 7877322057 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The efficacy of the candidate drug in human beings are studied in

Options :

1. ✖ Phase I

2. ✖ Phase II

3. ✔ Phase III

4. ✖ Phase IV

Question Number : 18 Question Id : 7877322058 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The drug identified by metabolite based study is

Options :

1. ✔ Isoniazid

2. ✖ Warfarin

3. ✖ Meperidine

4. ✖ Insulin

Question Number : 19 Question Id : 7877322059 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which theory assumes that the substrate plays a role in determining the final shape of the enzyme?

Options :

1. ✖ Rate theory

2. ✖ Occupancy theory

3. ✔ Induced fit theory

4. ✖ Activation-aggravation theory

Question Number : 20 Question Id : 7877322060 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following can be a good therapeutic agent when the safe dose range can be greatly extended

Options :

1. ✖ Full agonist

2. ✔ Partial agonist

3. ✖ Inverse agonist

4. ✖ Full antagonist

Question Number : 21 Question Id : 7877322061 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a QSAR technique performed manually

Options :

1. ✖ Hansch approach

2. ✖ Fujita Ban approach

3. ✖ Free Wilson approach

4. ✔ Topliss approach

Question Number : 22 Question Id : 7877322062 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In 3D QSAR, green contour indicate favourable points for

Options :

1. ✔ Bulky groups

2. ✖ Smaller groups

3. ✖ Electron rich groups

4. ✖ Electron deficient groups

Question Number : 23 Question Id : 7877322063 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Anaesthesia of mucous membrane is called as

Options :

1. ✖ Infiltration anaesthesia

2. ✖ Field block anaesthesia

3. ✖ Nerve block anaesthesia

4. ✔ Topical anaesthesia

Question Number : 24 Question Id : 7877322064 Display Question Number : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following belongs to long-acting barbiturate?

Options :

1. ✖ Pentobarbital

2. ✖ Thiopental

3. ✔ Phenobarbital

4. ✖ Hexabarbital

Question Number : 25 Question Id : 7877322065 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one is the drug of choice for grandma epilepsy

Options :

1. ✖ Diazepam

2. ✖ Carbamazepine

3. ✔ Phenytoin

4. ✖ Lamotrigine

Question Number : 26 Question Id : 7877322066 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The drug used orally to treat psychotic disorders with no extra-pyramidal side-effect is

Options :

1. ✖ Haloperidol

2. ✖ Prochlorperazine

3. ✔ Quetiapine

4. ✖ Molindone

Question Number : 27 Question Id : 7877322067 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Curtius rearrangement is employed in the synthesis of

Options :

1. ✖ Pargyline

2. ✔ Tranylcypromine

3. ✖ Fluoxetine

4. ✖ Imipramine

Question Number : 28 Question Id : 7877322068 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The most potent narcotic antagonist is

Options :

1. ✖ Naloxone

2. ✔ Naltrexone

3. ✖ Nalorphine

4. ✖ Pethidine

Question Number : 29 Question Id : 7877322069 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The drug used for the treatment of fibromyalgia is

Options :

1. ✖ Benztropine

2. ✔ Cyclobenzaprine

3. ✖ Tacrine

4. ✖ Donepezil

Question Number : 30 Question Id : 7877322070 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Non-sedative anti-histamines include all except

Options :

1. ✔ Cyclizine

2. ✖ Cetrizine

3. ✖ Loratidine

4. ✖ Astemizole

Question Number : 31 Question Id : 7877322071 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The drug used for the treatment of Zollinger Ellison syndrome is

Options :

1. ✖ Cetrizine

2. ✖

Promethazine

3. ✔ Famotidine

4. ✖ Omeprazole

Question Number : 32 Question Id : 7877322072 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which class of diuretics is useful in reducing IOP during acute attacks of glaucoma?

Options :

1. ✖ Loop diuretics

2. ✖ Thiazide diuretics

3. ✖ Potassium sparing diuretics

4. ✔ Osmotic diuretics

Question Number : 33 Question Id : 7877322073 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Simethicone is

Options :

1.

✔ Antacid

2. ✖ Expectorant

3. ✖ Astringent

4. ✖ Diuretic

Question Number : 34 Question Id : 7877322074 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Cathartics are the drugs used to

Options :

1. ✖ Relieve acidity

2. ✔ Relieve constipation

3. ✖ Relieve GIT irritation

4. ✖ Relieve cough

Question Number : 35 Question Id : 7877322075 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one is added in the limit test of chloride to prevent precipitation of Ag_2CO_3

Options :

1. ✖ NaCl

2. ✖ Dil. HCl

3. ✖ $AgNO_3$

4. ✔ Dil. HNO_3

Question Number : 36 Question Id : 7877322076 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which is added in preparation of barium sulphate reagent to prevent super saturation

Options :

1. ✔ C_2H_5OH

2. ✖ K_2SO_4

3. ✖ $BaCl_2$

4. ✖ CH_3OH

Question Number : 37 Question Id : 7877322077 Display Question Number : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Molecular formula of arsenic acid is

Options :

1. ✖ H_3AsO_3

2. ✖ AsH_3

3. ✔ H_3AsO_4

4. ✖ H_2AsO_3

Question Number : 38 Question Id : 7877322078 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Gutzeit method is mainly used in the following

Options :

1. ✔ Limit test for Arsenic

2. ✖ Limit test for Chloride

3. ✖ Limit test for Sulphate

4. ✖ Limit test for Iron

Question Number : 39 Question Id : 7877322079 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the limit test for As, Lead acetate cotton is mainly used

Options :

1. ✔ To remove traces of H_2S

2. ✖ To remove H_2 from the medium

3. ✖ To make the medium alkaline

4. ✖ To liberate AsH_3

Question Number : 40 Question Id : 7877322080 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Metabolic alkalosis is mainly treated with

Options :

1. ✖ Sodium bicarbonate

2. ✖ Sodium acetate

3. ✖ Ammonium acetate

4. ✔ Ammonium chloride

Question Number : 41 Question Id : 7877322081 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

An example for a colloidal system is

Options :

1. ✖ Clays and gels

2. ✖ Ointments and pastes

3. ✔ Solutions of soaps and proteins

4. ✖ Suspensions and emulsions

Question Number : 42 Question Id : 7877322082 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The protective ability of colloids is measured as

Options :

1. ✖ Zeta potential

2. ✖ Streaming potential

3. ✔ Gold number

4. ✖ Reynolds number

Question Number : 43 Question Id : 7877322083 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The resistance of a liquid to flow is termed as

Options :

1. ✔ Viscosity

2. ✖ Density

3. ✖ Interfacial tension

4. ✖ Surface tension

Question Number : 44 Question Id : 7877322084 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Pseudoplastic flow is generally exhibited by

Options :

1. ✔ Jellies

2. ✖ Suspensions

3. ✖ Lotions

4. ✖ Colloids

Question Number : 45 Question Id : 7877322085 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Porosity of a porous powder is defined as

Options :

1. ✖ Bulk volume / void volume

2. ✔ Void volume / bulk volume

3. ✖ Void volume / true volume

4. ✖ True volume / bulk volume

Question Number : 46 Question Id : 7877322086 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Coulter current is mainly used to determine

Options :

1. ✔ Particle volume

2. ✖ Particle number

3. ✖ Particle size

4. ✖ Porosity

Question Number : 47 Question Id : 7877322087 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The solid state decomposition of aspirin in presence of moisture follows the order

Options :

1. ✖ First

2. ✖ Pseudofirst

3. ✖ Second

4. ✔ Zero

Question Number : 48 Question Id : 7877322088 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The half-life of a first order reaction is 4 years. What is its shelf life (in years)?

Options :

1. ✖ 0.02

2. ✖ 0.03

3. ✖ 0.17

4. ✔ 0.61

Question Number : 49 Question Id : 7877322089 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What % of an originally administered IV dose of a drug remains in the body following three half-lifes

Options :

1. ✔ 12.5

2. ✖ 25

3. ✖ 50

4. ✖ 75

Question Number : 50 Question Id : 7877322090 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How many grams of dextrose is required to prepare 4000 ml of 5% solution?

Options :

1. ✖ 2

2. ✖ 20

3. ✔ 200

4. ✖ 2000

Question Number : 51 Question Id : 7877322091 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the % of ZnO in an ointment prepared by mixing 200 g of 10% ointment, 50 g of 20% ointment and 100 g of 5% ointment?

Options :

1. ✖ 5

2. ✔ 10

3. ✖ 20

4. ✖ 30

Question Number : 52 Question Id : 7877322092 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is accepted as a co-solvent in parenteral products?

Options :

1. ✖ Ethanol

2. ✖ Glycerol

3. ✔ Dimethyl acetamide

4. ✖

Sorbitol

Question Number : 53 Question Id : 7877322093 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Generally, pastes contain

Options :

1. ✔ High % of insoluble solids

2. ✖ Low % of insoluble solids

3. ✖ High % of soluble solids

4. ✖ Low % of soluble solids

Question Number : 54 Question Id : 7877322094 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the preparation of cold creams, which type of bases are used generally

Options :

1. ✔ Absorption bases

2. ✖

Water removable bases

3. ✖ Hydrocarbon bases

4. ✖ Adsorption bases

Question Number : 55 Question Id : 7877322095 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The number of milligrams of KOH required to neutralize the acetic acid used to acetylate 1 gm of fat is known as

Options :

1. ✖ Iodine value

2. ✖ Saponification value

3. ✔ Hydroxyl value

4. ✖ Acid value

Question Number : 56 Question Id : 7877322096 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a broken glass and acts as a fusion agent?

Options :

1. ✔ Cullet

2. ✖ Soda ash

3. ✖ Lime stone

4. ✖ Sand stone

Question Number : 57 Question Id : 7877322097 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Empty capsule has moisture content in the range of

Options :

1. ✖ 1 to 12%

2. ✖ 12 to 15%

3. ✔ 50 to 70%

4. ✖ 70 to 90%

Question Number : 58 Question Id : 7877322098 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Eneteric coated tablet is disintegrated in

Options :

1. ✖ Mouth

2. ✖ Stomach

3. ✔ Intestine

4. ✖ Liver

Question Number : 59 Question Id : 7877322099 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is used as opacifier while tablet manufacture

Options :

1. ✔ TiO_2

2. ✖ ZnO

3. ✖ $Mg_2O_8Si_3$

$AlCl_3$

4. ✖

Question Number : 60 Question Id : 7877322100 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

pH of human tear is

Options :

7.2

1. ✖

8.2

2. ✖

7.6

3. ✔

8.6

4. ✖

Question Number : 61 Question Id : 7877322101 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

High circulating levels of active drug are seen for those drugs which have

Options :

low clearance rate

1. ✔

2. ✖ high clearance rate

3. ✖ low molecular weight

4. ✖ high molecular weight

Question Number : 62 Question Id : 7877322102 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is not a mechanism of drug absorption through GIT

Options :

1. ✖ Pore transport

2. ✖ Active transport

3. ✖ Endocytosis

4. ✔ Metastasis

Question Number : 63 Question Id : 7877322103 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

If any drug administered by IV route appears in faeces, it implies that the drug

Options :

1. ✖ Undergoes first pass metabolism

2. ✔ Undergoes enterohepatic re-cycling

3. ✖ is not completely absorbed

4. ✖ is not completely metabolized

Question Number : 64 Question Id : 7877322104 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

BCS Class II drugs have

Options :

1. ✖ high solubility / high permeability

2. ✔ low solubility / high permeability

3. ✖ high solubility / low permeability

4. ✖

low solubility / low permeability

Question Number : 65 Question Id : 7877322105 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In which region of body, we can observe endocytosis mechanism of drug absorption

Options :

1. ✖ Stomach

2. ✖ Large intestine

3. ✖ Small intestine

4. ✔ Rectum

Question Number : 66 Question Id : 7877322106 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Transit time for contents at colon is

Options :

1. ✖ 1 to 3 hours

2. ✖ 3 to 6 hours

6 to 12 hours

3. ✔

12 to 18 hours

4. ✖

Question Number : 67 Question Id : 7877322107 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the influence of food on absorption of diazepam

Options :

Delayed

1. ✖

Decreased

2. ✖

Increased

3. ✔

Unaffected

4. ✖

Question Number : 68 Question Id : 7877322108 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Everted sac technique is mainly used for the study of

Options :

1. ✖ In vitro drug uptake

2. ✔ In situ drug uptake

3. ✖ In vivo drug uptake

4. ✖ In silico drug uptake

Question Number : 69 Question Id : 7877322109 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A drug that reverses plasma-protein binding is often referred as

Options :

1. ✔ Displacer

2. ✖ Solvate

3. ✖ Carrier substance

4. ✖ Protein hydrolysate

Question Number : 70 Question Id : 7877322110 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In non-compartmental analysis, Mean residence time is equal to

Options :

1. ✔ The area under the first moment curve/area under the zero moment curve

2. ✖ The area under the zero moment's curve/area under the first moment curve

3. ✖ 1/Area under the first-moment curve

4. ✖ 1/Area under the zero moment curve

Question Number : 71 Question Id : 7877322111 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

To avoid bioavailability issues, the drug must have a minimum aqueous solubility of

Options :

1. ✖ 150%

2. ✖ 10%

3. ✖ 100%

4. ✔ 1%

Question Number : 72 Question Id : 7877322112 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the mechanism of drug excretion in milk of mammary gland

Options :

1. ✔ Passive process

2. ✖ Active process

3. ✖ Passive re-absorption

4. ✖ Glomerular secretion

Question Number : 73 Question Id : 7877322113 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is useful topically for genital herpes infections

Options :

1. ✔ Acyclovir

2. ✖ Amantadine

3. ✖ Ritonavir

4. ✖ Trifluridine

Question Number : 74 Question Id : 7877322114 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Acute haemorrhage cystitis is a common toxic effect seen with

Options :

1. ✖ Vincristine

2. ✖ 5-fluorouracil

3. ✖ Doxorubicin

4. ✔ Cyclophosphamide

Question Number : 75 Question Id : 7877322115 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The antidote of morphine overdose is

Options :

1. ✖ N–acetyl cysteine

2. ✔ Naloxone

3. ✖ Atropine sulphate

4. ✖ Esmolol

Question Number : 76 Question Id : 7877322116 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which is a first generation cephalosporin

Options :

1. ✖ Cefuroxime

2. ✖ Ceftazidime

3. ✔ Cefadroxil

4. ✖ Ceftrioxone

Question Number : 77 Question Id : 7877322117 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Indicate the expectorant with reflex mechanism

Options :

1. ✖ Sodium benzoate

2. ✔ Derivatives of Ipecacucnha

3. ✖ Trypsin

4. ✖ Ambroxol

Question Number : 78 Question Id : 7877322118 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

All the drugs intensify GI motility, except

Options :

1. ✔ Papaverine

2. ✖ Metaclopramide

3. ✖ Domperidone

4. ✖ Cisapride

Question Number : 79 Question Id : 7877322119 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is an inhibitor of platelet GP IIb/IIIa receptors

Options :

1. ✖ Aspirin

2. ✖ Clopidogrel

3. ✖ Ticlopidine

4. ✔ Abciximab

Question Number : 80 Question Id : 7877322120 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

All the following are used in the treatment of severe congestive heart failure, except

Options :

1. ✔ Verapamil

2. ✖ Digoxin

3. ✖ Dobutamine

4. ✖ Dopamine

Question Number : 81 Question Id : 7877322121 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Duration of nitroglycerine action via sublingual route is

Options :

1. ✔ 10 to 30 Min

2. ✖ 30 to 60 Min

3. ✖ 60 to 120 Min

4. ✖ 120 to 180 Min

Question Number : 82 Question Id : 7877322122 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Which is a potassium channel activator?

Options :

1. ✖ Nifedipine

2. ✖ Saralasin

3. ✔ Diazoxide

4. ✖ Losartan

Question Number : 83 Question Id : 7877322123 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Select an endocrine drug which is peptide derivative

Options :

1. ✔ Oxytocin

2. ✖ Prednisolone

3. ✖ Nandrolone

4. ✖ Progesterone

Question Number : 84 Question Id : 7877322124 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Currently used alpha glucosidase inhibitors include the following, except

Options :

1. ✔ Pioglitazone

2. ✖ Acarbose

3. ✖ Miglitol

4. ✖ Glimepiride

Question Number : 85 Question Id : 7877322125 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which H1 antagonist is noted for the ulcerogenic effect

Options :

1. ✔ Diazoline

2. ✖ Loratidine

3. ✖ Suprastine

4. ✖ Dimedrol

Question Number : 86 Question Id : 7877322126 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Sirolimus belongs to the category of

Options :

1. ✖ Immunomodulator

2. ✖ Interferon

3. ✔ Immunosuppressant

4. ✖ Monoclonal antibodies

Question Number : 87 Question Id : 7877322127 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which drug decreases the blood levels of HDL

Options :

1. ✖ Lovastatin

2. ✖ Cholestyramine

3. ✖ Gemfibrozil

4. ✔ Probucol

Question Number : 88 Question Id : 7877322128 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is used in the treatment of gout, mainly acts by reducing uric acid synthesis

Options :

1. ✔ Allopurinol

2. ✖ Sulfinpyrazone

3. ✖ Colchicine

4. ✖ Indomethacin

Question Number : 89 Question Id : 7877322129 Display Question Number : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Ototoxicity is a unique side effect of

Options :

1. ✔ Loop diuretics

2. ✖ Thiazide diuretics

3. ✖ Potassium sparing diuretics

4. ✖ Osmotic diuretics

Question Number : 90 Question Id : 7877322130 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Hypokalemia is a commonly reported ADR of drugs belongs to

Options :

1. ✖ Antihypertensives

2. ✖ Antidiabetics

3. ✔ Diuretics

Antidiuretics

4. ✖

Question Number : 91 Question Id : 7877322131 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Pharmacodynamic drug interactions includes

Options :

Changes in gastrointestinal pH

1. ✖

Induction of drug transport proteins

2. ✖

Inhibition of drug transport proteins

3. ✖

Additive / Synergistic interactions

4. ✔

Question Number : 92 Question Id : 7877322132 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following drug does not require TDM

Options :

Digitoxin

1. ✖

2. ✖ Gentamycin

3. ✖ Phenytoin

4. ✔ Paracetamol

Question Number : 93 Question Id : 7877322133 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

According to Rawlins-Thompson classification, type D ADR includes

Options :

1. ✔ Carcinogenesis

2. ✖ Bradycardia

3. ✖ Anaphylaxis

4. ✖ Opiate withdrawal syndrome

Question Number : 94 Question Id : 7877322134 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

All are selected CYP3A4 inducer except

Options :

1. ✖ Efavirenz

2. ✔ Erythromycin

3. ✖ Dexamethasone

4. ✖ Nevirapine

Question Number : 95 Question Id : 7877322135 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

OECD stands for

Options :

1. ✖ Outcome Economy Committee Development

2. ✔ Organization for Economic Cooperation and Development

3. ✖ Out Entry Contact Dossier

4. ✖ Organization for Evasive Cooperation and Development

Question Number : 96 Question Id : 7877322136 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Total cost associated with a programme where both costs and consequences are measured in monetary terms is called as

Options :

1. ✖ Cost effectiveness analysis

2. ✔ Cost benefit analysis

3. ✖ Cost utility analysis

4. ✖ Cost audit analysis

Question Number : 97 Question Id : 7877322137 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The result of the arithmetical operation 21.1 X 0.029 X 83.2 expressed to the correct number of significant figures is

Options :

1. ✖ 50.91008

2.

50.91 ✖

3. ✖ 50.910

4. ✔ 51

Question Number : 98 Question Id : 7877322138 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The ratio of the absolute error of the measurement to the actual measurement is called as

Options :

1. ✖ Absolute error

2. ✔ Relative error

3. ✖ Systemic error

4. ✖ Determinate error

Question Number : 99 Question Id : 7877322139 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The indicator methyl red works in the pH range of

Options :

1. ✖ 3.5 to 5.0

2. ✖ 8.0 to 10.0

3. ✖ 1.0 to 2.0

4. ✔ 4.0 to 6.0

Question Number : 100 Question Id : 7877322140 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which is redox indicator among the following

Options :

1. ✖ Murexide

2. ✔ Ferroin

3. ✖ Dithizone

4. ✖ Magneson

Question Number : 101 Question Id : 7877322141 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Titrant for titration of weakly acidic substances using non-aqueous titration method is

Options :

1. ✔ Sodium methoxide

2. ✖ p-Toluene sulphonic acid

3. ✖ Perchloric acid

4. ✖ Fluorosulphonic acid

Question Number : 102 Question Id : 7877322142 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In which method, nitrobenzene is used in order to prevent interaction of AgCl with ferric thiocyanate

Options :

1. ✖ Fajan's method

2. ✖ Mohr's method

3. ✖ Volhard's method

4. ✔ Modified volhard's method

Question Number : 103 Question Id : 7877322143 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The technique in which the quantity of electrical charge required to convert an analyte quantitatively to a different oxidation state is known as

Options :

1. ✖ Potentiometry

2. ✖ Polarography

3. ✔ Coulometry

4. ✖ Conductometry

Question Number : 104 Question Id : 7877322144 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

During electrolysis, the potential of the working electrode is observed by which electrode

Options :

1. ✖ Working electrode

2. ✔ Reference electrode

3. ✖ Auxiliary electrode

4. ✖ Counter electrode

Question Number : 105 Question Id : 7877322145 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the EMR, the frequency range $3x10^{16}$ to $3x10^{18}$ Hz corresponds to

Options :

1. ✖ Visible radiation

2. ✖ IR radiation

3. ✖ UV radiation

4. ✔ X-ray radiation

Question Number : 106 Question Id : 7877322146 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Convert 0.113 absorbance value into % transmittance

Options :

1. ✔ 77

2. ✖ 7.7

3. ✖ 0.77

4. ✖ 1.70

Question Number : 107 Question Id : 7877322147 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Convert 12.3% transmittance to absorbance

Options :

1. ✖ 9.10

2. ✔ 0.91

3. ✖ 91.0

4. ✖

0.091

Question Number : 108 Question Id : 7877322148 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The absorption of IR radiation is accomplished by transitions involving

Options :

1. ✖ Electronic levels

2. ✔ Vibrational levels

3. ✖ Nuclear spin levels

4. ✖ Electron spin levels

Question Number : 109 Question Id : 7877322149 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The hottest part of the flame is

Options :

1. ✖ Outer cone

2.

✔ Interconal zone

3. ✖ Inner cone

4. ✖ Middle cone

Question Number : 110 Question Id : 7877322150 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following gives much greater radiation intensity

Options :

1. ✖ Hollow cathode lamp

2. ✔ Electrodeless discharge lamp

3. ✖ Deuterium lamp

4. ✖ Xenon lamp

Question Number : 111 Question Id : 7877322151 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which is the preferred separation and purification method for low to moderate molecular weight, thermally labile substances

Options :

1. ✖ Thin-layer chromatography

2. ✖ Column chromatography

3. ✖ Liquid chromatography

4. ✔ Convergence chromatography

Question Number : 112 Question Id : 7877322152 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the nature of the analyte whose Rf value is 0.1 while using methanol:water (4:6)?

Options :

1. ✔ Non-polar

2. ✖ Semi-polar

3. ✖ Polar

4. ✖ Neutral

Question Number : 113 Question Id : 7877322153 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Any drug if it claims to be the product of a manufacturer or company of whom it is not truly a product is called as

Options :

1. ✖ Adulterated drug

2. ✖ Misbranded drug

3. ✖ Sub-standard drug

4. ✔ Spurious drug

Question Number : 114 Question Id : 7877322154 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Bacterial vaccines, viral vaccines, antisera and diagnostic antigens were governed by

Options :

1. ✖ Schedule F

2. ✔ Schedule F (I)

3. ✖ Schedule F (II)

4. ✖ Schedule F (III)

Question Number : 115 Question Id : 7877322155 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Drugs required to be taken under medical supervision was governed by

Options :

1. ✖ Schedule A

2. ✖ Schedule B

3. ✔ Schedule G

4. ✖ Schedule D

Question Number : 116 Question Id : 7877322156 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Schedule X deals about

Options :

1. ✖

Standards for patent or proprietary medicines

2. ✔ Psychotropic substances

3. ✖ Standards for cosmetics

4. ✖ Standards for medical devices

Question Number : 117 Question Id : 7877322157 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Form-44 is mainly used for

Options :

1. ✔ Permission to import a new drug or to undertake clinical trial

2. ✖ Permission to import finished formulation of a new drug

3. ✖ Permission to import raw material

4. ✖ Permission to import finished cosmetics

Question Number : 118 Question Id : 7877322158 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

NRx in red ink on left top corner of label is mainly used for

Options :

1. ✖ Schedule H drug

2. ✖ Schedule G drug

3. ✔ Schedule X drug

4. ✖ Schedule C drug

Question Number : 119 Question Id : 7877322159 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The maximum limit of MAPE for indigenously manufactured scheduled formulation is

Options :

1. ✖ 50%

2. ✔ 100%

3. ✖ 150%

4. ✖ 200%

Question Number : 120 Question Id : 7877322160 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If MRP is 95, retailer margin is 20%, GST 5%. Calculate price to retailer

Options :

1. ✔ 72.38

2. ✖ 65.14

3. ✖ 78.28

4. ✖ 56.41