

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 sessile stalk are present in

Options :

1. ✘ Digitalis

2. ✘ Belladonna

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

Micropropagation 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. ✘ Hexobarbital

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. ✘ Cetirizine

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. ✘ Cetirizine

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. ✔ $\text{C}_2\text{H}_5\text{OH}$
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-lives

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

Enteric 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. ✘ $\text{Mg}_2\text{O}_8\text{Si}_3$

AlCl₃

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. ✘ $1/\text{Area under the first-moment curve}$
4. ✘ $1/\text{Area under the zero moment curve}$

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. ✘ Ceftriaxone

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 :

1. ✘ Changes in gastrointestinal pH
2. ✘ Induction of drug transport proteins
3. ✘ Inhibition of drug transport proteins
4. ✔ Additive / Synergistic interactions

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 :

1. ✘ Digitoxin

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 $21.1 \times 0.029 \times 83.2$ 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 3×10^{16} to 3×10^{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