

# 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 : Is this

NoNo

Group for Examiner? :

Cant View

Examiner permission : Show

No

Progress Bar? :

Pharmacy

Section Id :

78773218

Section Number :

1

Mandatory or Optional :

Mandatory

Number of Questions :

120 120

Section Marks :

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  $\text{Ag}_2\text{CO}_3$

**Options :**

1. ✖  $\text{NaCl}$
2. ✖ Dil.  $\text{HCl}$
3. ✖  $\text{AgNO}_3$
4. ✔ Dil.  $\text{HNO}_3$

**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. ✖  $\text{K}_2\text{SO}_4$
3. ✖  $\text{BaCl}_2$
4. ✖  $\text{CH}_3\text{OH}$

**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. ✖  $\text{H}_3\text{AsO}_3$

2. ✖  $\text{AsH}_3$

3. ✔  $\text{H}_3\text{AsO}_4$

4. ✖  $\text{H}_2\text{AsO}_3$

**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  $\text{H}_2\text{S}$
2.  To remove  $\text{H}_2$  from the medium
3.  To make the medium alkaline
4.  To liberate  $\text{AsH}_3$

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. ✔  $\text{TiO}_2$
- 2. ✖  $\text{ZnO}$
- 3. ✖  $\text{Mg}_2\text{O}_8\text{Si}_3$

4. ✖  $\text{AlCl}_3$

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 :

1. ✖ 7.2

2. ✖ 8.2

3. ✔ 7.6

4. ✖ 8.6

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 :

1. ✔ low clearance rate

- 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 H<sub>1</sub> 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  $3 \times 10^{16}$  to  $3 \times 10^{18}$  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  $R_f$  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