

# 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.

<b>Question Paper Name :</b>	Pharmacy 29th May 2024 Shift 1
<b>Duration :</b>	120
<b>Total Marks :</b>	120
<b>Display Marks:</b>	No
<b>Share Answer Key With Delivery Engine :</b>	Yes
<b>Calculator :</b>	None
<b>Magnifying Glass Required? :</b>	No
<b>Ruler Required? :</b>	No
<b>Eraser Required? :</b>	No
<b>Scratch Pad Required? :</b>	No
<b>Rough Sketch/Notepad Required? :</b>	No
<b>Protractor Required? :</b>	No
<b>Show Watermark on Console? :</b>	Yes
<b>Highlighter :</b>	No
<b>Auto Save on Console?</b>	Yes
<b>Change Font Color :</b>	No
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Examiner permission :	Cant View
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## Pharmacy

Section Id :	33300844
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 : 3330085161 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Moisture content in a volatile oil is determined by \_\_\_\_\_.

Options :

1. ✘ Evaporation at 125°C
2. ✘ Vacuum distillation
3. ✘ Mass spectrometry

4. ✓ Karl Fisher titration

Question Number : 2 Question Id : 3330085162 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Determination of percentage of acid insoluble ash of herbal drugs is useful for testing the presence of \_\_\_\_\_.

Options :

1. ✗ Other parts of the plant
2. ✓ Siliceous earth
3. ✗ Active constituents of the drugs
4. ✗ Moisture content

Question Number : 3 Question Id : 3330085163 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Identify the botanical name of nutmeg?

Options :

1. ✗ *Alpinia officinarum*
2. ✓ *Myristica fragrance*

3. ✘ *Coriandrum sativum*

4. ✘ *Foeniculum vulgare*

Question Number : 4 Question Id : 3330085164 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Stove gas is responsible for \_\_\_\_\_.

Options :

1. ✘ Ripening of apples

2. ✔ Yellowing of lemons

3. ✘ Development of shoots

4. ✘ Stimulation of latex flow

Question Number : 5 Question Id : 3330085165 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Rauwolfia contains \_\_\_\_\_ group of alkaloids.

Options :

1. ✘ Pyrrole

2. ✘ Quinolone

3. ✘ Pyridine

4. ✔ Indole

**Question Number : 6 Question Id : 3330085166 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Which type of tannins is related to the flavonoid pigment having polymeric flavan-3-ol structure?

**Options :**

1. ✘ Hydrolysable tannins

2. ✔ Condensed tannins

3. ✘ Galli tannins

4. ✘ Ellagitannins

**Question Number : 7 Question Id : 3330085167 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Cardamom belongs to family of \_\_\_\_\_.

**Options :**

1. ✘ Liliaceae

2. ✘ Apocyanaceae

3. ✔ Zingiberaceae

4. ✘ Loganaceae

Question Number : 8 Question Id : 3330085168 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ is the most common auxin in plants.

Options :

1. ✔ Indole acetic acid

2. ✘ 2,4-dichlorophenoxy acetic acid

3. ✘ 2,4,5-trichloro phenoxy acetic acid

4. ✘ Ethylene

Question Number : 9 Question Id : 3330085169 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Sesquiterpene contains \_\_\_\_\_ number of isoprene units.

Options :

1. ✘ 2

2. ✔ 3

3. ✘ 4

4. ✘ 5

Question Number : 10 Question Id : 3330085170 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ is the main chemical constituent of chenopodium oil.

Options :

1. ✘ Citronellal

2. ✘ Geranial

3. ✔ Ascaridole

4. ✘ Menthol

Question Number : 11 Question Id : 3330085171 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The synonym of “Deadly night shade leaf” is \_\_\_\_\_

Options :

1. ✓ Belladonna
2. ✗ Hyoscine
3. ✗ Atropine
4. ✗ Datura

Question Number : 12 Question Id : 3330085172 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Opium alkaloids are present as salt of \_\_\_\_\_ acid.

Options :

1. ✗ Acetic
2. ✗ Phenoxybenzoic
3. ✓ Meconic
4. ✗ Benzoic

Question Number : 13 Question Id : 3330085173 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0



Eugenol is present in all of the following except \_\_\_\_\_.

Options :

1. ✘ Clove
2. ✔ Camphor
3. ✘ Tulsi
4. ✘ Bay Leaf

Question Number : 14 Question Id : 3330085174 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The source for synthesis of psoralin is \_\_\_\_\_.

Options :

1. ✔ Coumarin
2. ✘ Terpene
3. ✘ Warfarin
4. ✘ Diosgenin

Question Number : 15 Question Id : 3330085175 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 leaves have anti-cancer constituents?

**Options :**

1. ✓ Catharanthus roseus
2. ✗ Withania Somnifera
3. ✗ Cassia Angustifolia
4. ✗ Hyoscyamus niger

**Question Number : 16 Question Id : 3330085176 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Inhibition of peptidoglycon cross linking is the target of \_\_\_\_\_.

**Options :**

1. ✗ Sulfadoxine
2. ✗ Sulbactam
3. ✓ Ceftriaxone
4. ✗ Cilastatin

**Question Number : 17 Question Id : 3330085177 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

\_\_\_\_\_, an oral hypoglycaemic agent is a piperidine derivative.

**Options :**

1. ✘ Sorbinil
2. ✘ Glipizide
3. ✔ Miglitol
4. ✘ Glibenclamide

**Question Number : 18 Question Id : 3330085178 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Cardiac glycosides with a six membered lactone ring on steroid nucleus (at 17-position) is classified as \_\_\_\_\_.

**Options :**

1. ✘ Cardinolides
2. ✔ Befadienolides
3. ✘ Strophanthenosides

4. ✘ Lanatosides

Question Number : 19 Question Id : 3330085179 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ cause discoloration of teeth in children.

Options :

1. ✘ Pencillins

2. ✘ Aminoglycosides

3. ✔ Tetracyclines

4. ✘ Macrolides

Question Number : 20 Question Id : 3330085180 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Name the drug that disrupts microtubules and inhibits cell division.

Options :

1. ✔ Paclitaxel

2. ✘ Methotrexate

3. ✘

Cisplatin

4. ✘ Cyclophosphamide

Question Number : 21 Question Id : 3330085181 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ is classified as non-sedative anti-histamine.

Options :

1. ✘ Diphenhydramine

2. ✘ Promethazine

3. ✔ Fexofenadine

4. ✘ Pheniramine

Question Number : 22 Question Id : 3330085182 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ acts at both nicotinic and muscarinic receptors.

Options :

1. ✔ Acetylcholine

2.

✘ Atropine

3. ✘ Hyoscimine

4. ✘ Tubocurarine

Question Number : 23 Question Id : 3330085183 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 class of alprazolam?

Options :

1. ✘ Barbiturate class hypnotic

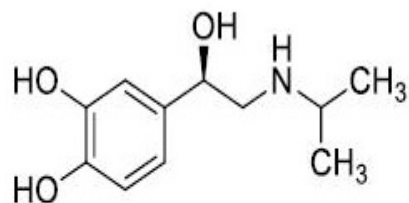
2. ✓ Benzodiazepine class of anxiolytic agent

3. ✘ Opioid analgesic

4. ✘ Tricyclic anti-depressant

Question Number : 24 Question Id : 3330085184 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

IUPAC name of isoprenaline is \_\_\_\_\_.



Isoprenaline

Options :

1. ✓ 4-[1-hydroxy-2-(isopropylamino)ethyl]benzene-1,2-diol
2. ✗ 4-[1-hydroxy-2-(isopropyl)ethyl]benzene-1,2-diol
3. ✗ 2-[1-hydroxy-2-(isopropylamino)ethyl]benzene-1,2-diol
4. ✗ 4-[1-hydroxy-2-(isobutylamino)ethyl]benzene-1,2-diol

Question Number : 25 Question Id : 3330085185 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which among the following anticoagulants is synthesized using Michael condensation?

Options :

1. ✗ Phenindione
2. ✓ Warfarin
- 3.

✘ Dicoumarol

4. ✘ Bromindione

Question Number : 26 Question Id : 3330085186 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Example for amino amide local anaesthetic agent is \_\_\_\_\_.

Options :

1. ✘ Tetracaine

2. ✘ Benzocaine

3. ✘ Cloroprocaine

4. ✔ Lidocaine

Question Number : 27 Question Id : 3330085187 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_, an anxiolytic is a benzodiazepine derivative.

Options :

1. ✘ Buspirone

2. ✔



Chlordiazepoxide

3. ✘ Meprobamate

4. ✘ Chloral hydrate

**Question Number : 28 Question Id : 3330085188 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 is effective in intestinal amoebiasis?

**Options :**

1. ✘ Chloroquine

2. ✘ Dihydroemetine

3. ✔ Diloxanide

4. ✘ Tinidazole

**Question Number : 29 Question Id : 3330085189 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

\_\_\_\_\_ is not a cardio selective drug among the following beta-blockers.

**Options :**

1. ✘ Atenolol

2. ✘ Betaxolol

3. ✘ Esmolol

4. ✔ Timolol

**Question Number : 30 Question Id : 3330085190 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

\_\_\_\_\_ is the starting material for the synthesis of diazepam.

**Options :**

1. ✘ 2 – methyl amino 5 – nitro benzophenone

2. ✔ 2 – methyl amino 5 – chloro benzophenone

3. ✘ 2 – amino 5 – nitro benzophenone

4. ✘ 2 – amino 5 – nitro butyrophenone

**Question Number : 31 Question Id : 3330085191 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The thiazepine derivative used in angina is \_\_\_\_\_.

**Options :**

1. ✓ Diltiazem
2. ✗ Nifedipine
3. ✗ Nicardipine
4. ✗ Verapamil

**Question Number : 32 Question Id : 3330085192 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 is the chemical formula of sodium nitroprusside?

**Options :**

1. ✓  $\text{Na}_2[\text{Fe}(\text{CN})_5\text{NO}]$
2. ✗  $\text{Na}_3[\text{Fe}(\text{CN})_6\text{NO}]$
3. ✗  $\text{Na}[\text{Fe}(\text{CN})_5\text{NO}]$
4. ✗  $\text{Na}_4[\text{Fe}(\text{CN})_5\text{NO}]$

Question Number : 33 Question Id : 3330085193 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The diuretic with similarity in the structure to an antihypertensive diazoxide is \_\_\_\_\_.

Options :

1. ✘ Furosemide
2. ✘ Spiranolactone
3. ✔ Chlorthiazide
4. ✘ Acetazolamide

Question Number : 34 Question Id : 3330085194 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 statements that suits best for adrenaline?

Options :

1. ✘ It is a selective  $\alpha$ 1- adrenergic receptor agonist
2. ✘ It is a selective  $\alpha$ 2- adrenergic receptor agonist
3. ✘ It is a selective  $\beta$ 3- adrenergic receptor agonist
4. ✔ It is a nonselective ( $\beta$ 1 and  $\beta$ 2) adrenergic receptor agonist

**Question Number : 35 Question Id : 3330085195 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

4-{4-(p-chloro phenyl)-4-hydroxy piperidinyl] -1-(4-fluorophenyl)-1-butanone is the IUPAC name of

**Options :**

1. ✘ Propranolol

2. ✔ Haloperidol

3. ✘ Droperidol

4. ✘ Trifluoperidol

**Question Number : 36 Question Id : 3330085196 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Identify the antimetabolite drug that is having antifungal activity also.

**Options :**

1. ✘ Fluconazole

2. ✘ Itraconazole

3. ✘ Ketoconazole

4. ✓ Flucytosine

**Question Number : 37 Question Id : 3330085197 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 does NOT impart desensitizing properties to dental products?

**Options :**

1. ✓ Potassium chloride

2. ✗ Strontium chloride

3. ✗ Zinc chloride

4. ✗ Potassium nitrate

**Question Number : 38 Question Id : 3330085198 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 statements is TRUE about enantiomers?

**Options :**

1. ✓ They contain chiral center that is non-superimposable & mirror image.

2. ✗ They contain chiral centers that are non-superimposable & not-mirror images.

3. ✘ They contain chiral centers that are superimposable & mirror images.

4. ✘ They contain chiral centers that are superimposable & non-mirror images.

**Question Number : 39 Question Id : 3330085199 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Limit test for arsenic is based on \_\_\_\_\_.

**Options :**

1. ✔ Gutzeit test

2. ✘ Biuret test

3. ✘ Black water test

4. ✘ Volhards test

**Question Number : 40 Question Id : 3330085200 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Magaldrate is a combination of \_\_\_\_\_.

**Options :**

1. ✔ 30% magnesium oxide and 20% aluminium oxide

2. ✘ 40% magnesium oxide and 10% aluminium oxide
3. ✘ 75% magnesium oxide and 12.5% aluminium oxide
4. ✘ 30% magnesium oxide and 10% aluminium oxide

**Question Number : 41 Question Id : 3330085201 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The length of the line that bisects the particle image is called as \_\_\_\_\_ diameter.

**Options :**

1. ✘ Feret
2. ✔ Martin
3. ✘ Projected area
4. ✘ Coulter

**Question Number : 42 Question Id : 3330085202 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 produces a bulge in the up curve of a hysteresis loop?

**Options :**

1. ✘



Procaine penicillin gel

2. ✘ Magnesia magma
3. ✘ Concentrated aqueous kaolin gel
4. ✔ Concentrated aqueous bentonite gel

**Question Number : 43 Question Id : 3330085203 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Identify the optical property of colloid?

**Options :**

1. ✔ Tyndall cone
2. ✘ Brownian motion
3. ✘ Sedimentation
4. ✘ Zeta Potential

**Question Number : 44 Question Id : 3330085204 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Irritation power of the surfactants decrease in the following order of \_\_\_\_\_.

**Options :**

1. ✘ Cationic > Zwitterionic > Non-Ionic > Anionic
2. ✘ Anionic > Cationic > Zwitterionic > Non-Ionic
3. ✘ Zwitterionic > Anionic > Cationic > Non-Ionic
4. ✔ Cationic > Anionic > Zwitterionic > Non-Ionic

**Question Number : 45 Question Id : 3330085205 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 shelf life of drug which decomposes with first order having reaction rate constant of 0.0002/day?

**Options :**

1. ✘ 425 days
2. ✔ 525 days
3. ✘ 625 days
4. ✘ 725 days

**Question Number : 46 Question Id : 3330085206 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 forces contribute to stability of charge transfer complexes?

**Options :**

1. ✘ Resonance forces
2. ✘ Resonance and London dispersion forces
3. ✔ Dipole-dipole interactions and London dispersion forces
4. ✘ Resonance forces and dipole-dipole interactions

**Question Number : 47 Question Id : 3330085207 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Arrhenius plot for predicting drug stability at room temperature is drawn between \_\_\_\_\_.

**Options :**

1. ✘ K vs.  $1/T$
2. ✘  $\log K$  vs. T
3. ✔  $\log K$  vs.  $1/T$
4. ✘

log C vs. 1/T

Question Number : 48 Question Id : 3330085208 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Water attack test is used to test \_\_\_\_\_ glass

Options :

1. ✘ Type I
2. ✔ Type II
3. ✘ Type III
4. ✘ Type IV

Question Number : 49 Question Id : 3330085209 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The applicability of Noyes-Whittney's equation is to describe:

Options :

1. ✔ Dissolution rate
2. ✘ Zero order degradation kinetics
- 3.

✘ Mixed order reaction kinetics

4. ✘ Rate of excretion

**Question Number : 50 Question Id : 3330085210 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 method is not suitable for preparation of microparticles?

**Options :**

1. ✘ Spray drying

2. ✔ Freeze drying

3. ✘ Interfacial polymerization

4. ✘ Solvent evaporation

**Question Number : 51 Question Id : 3330085211 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The distance between the bottom of the dissolution flask and bottom tip of the paddle in a dissolution apparatus according to Indian Pharmacopoeia is \_\_\_\_\_ cm.

**Options :**

1. ✘  $2.3 \pm 0.2$

2. ✓  $2.5 \pm 0.2$

3. ✗  $2.7 \pm 0.2$

4. ✗  $2.9 \pm 0.2$

**Question Number : 52 Question Id : 3330085212 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Formation of white powdery deposit on the surface of suppository on storage is called \_\_\_\_\_.

**Options :**

1. ✗ Orange peel

2. ✗ Fragility

3. ✓ Bloom

4. ✗ Syneresis

**Question Number : 53 Question Id : 3330085213 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

\_\_\_\_\_ of tablets weighing less than 650 mg are required for friability test as per Indian Pharmacopoeia 2018.

**Options :**

1. ✘ 10 numbers
2. ✘ 20 numbers
3. ✔ 6.5 grams
4. ✘ 3.25 grams

**Question Number : 54 Question Id : 3330085214 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The self-preservative action of simple syrup is due to \_\_\_\_\_.

**Options :**

1. ✘ Higher viscosity
2. ✘ Isotonic action
3. ✘ Hypotonic action
4. ✔ Hypertonic action

**Question Number : 55 Question Id : 3330085215 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction**

**Time : 0**

State the order of decomposition of drug in suspensions dosage form (if the drug decomposes in solution)

**Options :**

1. ✘ Zero order kinetics
2. ✔ Apparent zero order kinetics
3. ✘ First-order kinetics
4. ✘ Apparent first order kinetics

**Question Number : 56 Question Id : 3330085216 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Sorbitol is used in soft gelatin capsules as \_\_\_\_\_.

**Options :**

1. ✘ Disintegrating agent
2. ✘ Lubricant
3. ✘ Thickener
4. ✔ Plasticizer



**Question Number : 57 Question Id : 3330085217 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 flocculating agent is suitable for a negatively charged drug for preparation of suspension?

**Options :**

1. ✓ Aluminium chloride
2. ✗ Acacia
3. ✗ Tragacanth
4. ✗ Sodium lauryl sulphate

**Question Number : 58 Question Id : 3330085218 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

What quantities of 95% and 45% v/v alcohol are to be mixed to make 200 ml of 65% v/v alcohol?

**Options :**

1. ✗ 120 mL of 95% and 80 mL of 45% alcohol
2. ✗ 40 mL of 95% and 160 mL of 45% alcohol
3. ✗ 160 mL of 95% and 40 mL of 45% alcohol

4. ✓ 80 mL of 95% and 120 mL of 45% alcohol

**Question Number : 59 Question Id : 3330085219 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 similarity between BB tooling and D tooling of tablet punches?

**Options :**

1. ✓ Barrel length

2. ✗ Head diameter

3. ✗ Barrel diameter

4. ✗ Die outer diameter

**Question Number : 60 Question Id : 3330085220 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The preservative suitable for use in ophthalmic preparations is \_\_\_\_\_.

**Options :**

1. ✗ Sodium benzoate

2. ✓ Chlorobutanol

3. ✘ Benzoic acid

4. ✘ Butyl hydroxyl anisole

**Question Number : 61 Question Id : 3330085221 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Identify the false statement about gelatin used in the preparation of capsules.

**Options :**

1. ✘ Type A gelatin has an isoelectric point in pH region of 9

2. ✘ Type B gelatin has an isoelectric point in pH region of 4.5

3. ✔ Type A gelatin is derived from an alkali treated precursor

4. ✘ Type B gelatin is derived from an alkali treated precursor

**Question Number : 62 Question Id : 3330085222 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

A cosmetologist requires to prepare a cold cream. Suggest the commonly used combination that can be used.

**Options :**

1. ✘ Stearic acid- borax

2. ✘ Bees wax- KOH

3. ✘ Stearic acid-KOH

4. ✔ Bees wax-borax

Question Number : 63 Question Id : 3330085223 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ is not used as a keratolytic agent in shampoos?

Options :

1. ✘ Selenium disulphide

2. ✔ Sodium lauryl sulphate

3. ✘ Resorcinol

4. ✘ Sulphur

Question Number : 64 Question Id : 3330085224 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 material is used for making dip tubes of aerosols?

Options :

1. ✓ Polyethylene

2. ✗ Stainless steel

3. ✗ Rubber

4. ✗ Tin

**Question Number : 65 Question Id : 3330085225 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Using which instrument, the consistency of lipstick is evaluated?

**Options :**

1. ✗ Cup & bob viscometer

2. ✗ Cone & plate viscometer

3. ✗ Ostwald viscometer

4. ✓ Penetrometer

**Question Number : 66 Question Id : 3330085226 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 is responsible for bridging in tablet coating?

**Options :**

1. ✘ Rapid drying of coating solution
2. ✘ Over spraying of coating solution
3. ✘ High moisture content of air
4. ✔ Improper plasticizer

**Question Number : 67 Question Id : 3330085227 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The life span of blood in citrate alone after withdrawal from the donor stored at 4-6°C is \_\_\_\_\_ days.

**Options :**

1. ✔ 7 days
2. ✘ 15 days
3. ✘ 21 days
4. ✘ 30 days

**Question Number : 68 Question Id : 3330085228 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

\_\_\_\_\_ salt is used as astringent in cosmetics.

Options :

1. ✘ Iron
2. ✘ Lead
3. ✘ Tin
4. ✔ Zinc

Question Number : 69 Question Id : 3330085229 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Glycerine in toothpaste is used as \_\_\_\_\_.

Options :

1. ✘ Binding agent
2. ✘ Foaming agent
3. ✔ Humectant
4. ✘ Sweetening agent

Question Number : 70 Question Id : 3330085230 Display Question Number : Yes Is Question

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

**Time : 0**

The volume of distribution of two drugs A and B was 40 L and 160 L respectively. Which of the following statements are correct?

(I)	Dose of A is low compared to B
(II)	The initial plasma concentration of A is high
(III)	Dose of B is low compared to A
(IV)	The initial plasma concentration of B is low

**Options :**

1. ✘ I only
2. ✘ I and II
3. ✘ I, II and III
4. ✔ I, II and IV

**Question Number : 71 Question Id : 3330085231 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 affects the Glomerular filtration of a drug?

**Options :**

1. ✘ Lipid solubility
2. ✔ Plasma protein binding



3. ✘ Degree of ionization

4. ✘ Rate of tubular secretion

**Question Number : 72 Question Id : 3330085232 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The complete elimination of a drug is through renal route. If the drug is given to the patient with renal failure, what will happen?

**Options :**

1. ✘ Drug is completely protein bound.

2. ✘ Drug is completely eliminated renally.

3. ✔ Drug metabolites accumulates in the body

4. ✘ Drug gets completely metabolized in the liver.

**Question Number : 73 Question Id : 3330085233 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Hepatic first pass effect can not be avoided by administering the drug through \_\_\_\_\_ route.

**Options :**

1. ✔ Per-oral

2. ✘ Sublingual

3. ✘ Intramuscular

4. ✘ Subcutaneous

**Question Number : 74 Question Id : 3330085234 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 statements is NOT TRUE for effect of co-administration of erythromycin with cyclosporine?

**Options :**

1. ✘ It decreases its metabolism

2. ✘ It increases its gastrointestinal absorption

3. ✘ It increases its toxicity

4. ✔ It increases its clearance

**Question Number : 75 Question Id : 3330085235 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 statement is correct for describing characteristic feature of non-linear pharmacokinetics?

**Options :**

1. ✘ Area under the curve is proportional to the dose.
2. ✘ Elimination half-life remains constant.
3. ✔ Area under the curve is not proportional to the dose.
4. ✘ Amount of drug excreted remains constant.

**Question Number : 76 Question Id : 3330085236 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The dose of the drug is repeated at half-life intervals. After how many intervals the steady state (plateau) plasma drug concentration is reached?

**Options :**

1. ✘ 2–3 half lives
2. ✔ 4–5 half lives
3. ✘ 6–7 half lives
4. ✘ 8–10 half lives

Question Number : 77 Question Id : 3330085237 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ defined as “an immunologically mediated reaction to a drug producing stereotyped symptoms unrelated to its pharmacodynamic actions.

Options :

1. ✘ Hypersensitivity
2. ✘ Supersensitivity
3. ✘ Intolerance
4. ✔ Idiosyncrasy

Question Number : 78 Question Id : 3330085238 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Low dose subcutaneous heparin therapy is indicated for:

Options :

1. ✔ Prevention of leg vein thrombosis in elderly patients
2. ✘ Ischaemic stroke
3. ✘ Patients undergoing neurosurgery
- 4.

- ✘ Prevention of extension of coronary artery thrombus in acute myocardial infarction

**Question Number : 79 Question Id : 3330085239 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 TRUE for metformin?

**Options :**

1. ✓ It is significantly metabolized in the liver
2. ✘ Food intake increases its extent of absorption
3. ✘ It causes weight gain
4. ✘ It exhibits extensive plasma protein binding

**Question Number : 80 Question Id : 3330085240 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 reason for hyperglycaemia caused due to long-term thiazide therapy?

**Options :**

1. ✘ Increasing sympathetic activity
2. ✓ Reducing insulin release
3. ✘ Interfering with glucose utilization in tissues

4. ✘ Increasing corticosteroid secretion

Question Number : 81 Question Id : 3330085241 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ increases cardiac output in congestive heart failure without having any direct myocardial action.

Options :

1. ✘ Amrinone

2. ✔ Captopril

3. ✘ Digoxin

4. ✘ Dobutamine

Question Number : 82 Question Id : 3330085242 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The antitussive that is present in opium but has no analgesic or addicting properties is \_\_\_\_\_.

Options :

1. ✘ Codeine

2. ✘ Ethyl morphine

3. ✔ Noscapine

4. ✘ Pholcodeine

**Question Number : 83 Question Id : 3330085243 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

In cytotoxic induced drug vomiting, which of the following receptor is most involved?

**Options :**

1. ✘ Histamine H<sub>1</sub> receptor

2. ✔ Serotonin 5-HT<sub>3</sub> receptor

3. ✘ Dopamine D<sub>2</sub> receptor

4. ✘ Opioid  $\mu$  receptor

**Question Number : 84 Question Id : 3330085244 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The mechanism of action for relieving migraine by ergotamine is due to \_\_\_\_\_

**Options :**

1.

- ✖ Blocking vascular  $\alpha$  adrenergic receptors
- 2. ✖ Blocking vascular 5-HT<sub>2</sub> receptors
- 3. ✖ Dilating cranial arterio-venous shunt channels
- 4. ✔ Constricting cranial vessels and reducing perivascular neurogenic inflammation

**Question Number : 85 Question Id : 3330085245 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 most prominent side effect of salbutamol?

**Options :**

- 1. ✖ Rise in blood pressure
- 2. ✔ Muscle cramps
- 3. ✖ Hyperglycaemia
- 4. ✖ Stimulation of central nervous system

**Question Number : 86 Question Id : 3330085246 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**



\_\_\_\_\_ antiemetic selectively blocks levodopa induced vomiting without blocking its antiparkinsonian action.

**Options :**

1. ✘ Metoclopramide
2. ✘ Cisapride
3. ✔ Domperidone
4. ✘ Ondansetron

**Question Number : 87 Question Id : 3330085247 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Hypersensitivity reaction caused by penicillin's comes under type \_\_\_\_\_ adverse drug reaction.

**Options :**

1. ✘ TYPE A
2. ✔ TYPE B
3. ✘ TYPE C
4. ✘ TYPE D

Question Number : 88 Question Id : 3330085248 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Drug interaction between \_\_\_\_\_ and \_\_\_\_\_ is a beneficial interaction.

Options :

1. ✘ Erythromycin, digoxin
2. ✘ Ramipril, haloperidol
3. ✔ Adrenaline, xylocaine
4. ✘ MAOI, fluoxetine

Question Number : 89 Question Id : 3330085249 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Head drop method is used in the bioassay of \_\_\_\_\_.

Options :

1. ✘ Adrenaline
2. ✘ Digoxin
3. ✘ Oxytocin
4. ✔ D-tubocurarine

**Question Number : 90 Question Id : 3330085250 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

HIV infected patient was started with highly active anti-retroviral therapy containing efavirenz. The patient should be given with which of the following precautions by the pharmacist.

**Options :**

1. ✓ Efavirenz should not be taken with a high fat meal as it can increase its absorption in the GI tract and cause some CNS side effects.
2. ✗ Efavirenz is associated with the development of painful peripheral neuropathy in some patients.
3. ✗ Efavirenz is a strong inhibitor of enzymes needed by other medications, thereby increasing the risk for drug-drug interactions and should be cautious.
4. ✗ Efavirenz can cause yellow color to the skin in about 10% of patients but it is not harmful.

**Question Number : 91 Question Id : 3330085251 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

In the treatment of \_\_\_\_\_, selective serotonin reuptake inhibitors are used.

**Options :**

1. ✗ Bipolar depression
2. ✓ Depression

3. ✖ Migraine

4. ✖ Schizophrenia

**Question Number : 92 Question Id : 3330085252 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The antidiabetic activity of glipizide is by \_\_\_\_\_.

**Options :**

1. ✖ Promoting Glucose uptake in skeletal muscle

2. ✖ Promoting the insulin sensitization

3. ✖ Preventing the Glucose synthesis in liver

4. ✔ Stimulation of insulin from beta cells

**Question Number : 93 Question Id : 3330085253 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The Antihypertensive action of thiazide diuretics is attributed to which of the two factors?

(I)	Closing of calcium ion channels
(II)	Stimulation of adenylyclase
(III)	Depletion of sodium ions
(IV)	Decrease in peripheral resistance

**Options :**

1. ✘ (I) and (II)
2. ✘ (II) and (III)
3. ✘ (I) and (III)
4. ✔ (III) and (IV)

**Question Number : 94 Question Id : 3330085254 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

In which of the following condition altered redox state of haemoglobin is seen?

**Options :**

1. ✘ Aplastic anaemia
2. ✔ Methemoglobinemia

3. ✘ Sideroblastic anaemia

4. ✘ Megaloblastic anaemia

Question Number : 95 Question Id : 3330085255 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ is the most commonly used reducing agent in volumetric analysis.

Options :

1. ✘ Iodine

2. ✘ Potassium iodate

3. ✘ Potassium permanganate

4. ✔ Oxalic acid

Question Number : 96 Question Id : 3330085256 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 primary standard?

Options :

1. ✔ Ammonia

2. ✘  $\text{Na}_2\text{CO}_3$

3. ✘ Potassium hydrogen phthalate

4. ✘ Sodium oxalate

Question Number : 97 Question Id : 3330085257 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Calomel electrode is made up of \_\_\_\_\_.

Options :

1. ✘ Pool of mercury

2. ✔ Hg/HgCl<sub>2</sub>

3. ✘ Ag/AgCl<sub>2</sub>

4. ✘ Pt/KCl

Question Number : 98 Question Id : 3330085258 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ errors cannot be predicted.

Options :

1. ✘ Determinate

2. ✘ Operational

3. ✘ Methodological

4. ✔ Indeterminate

**Question Number : 99 Question Id : 3330085259 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The accepted value of assay is 10 g, while the result is 9.8 g. What is the relative error?

**Options :**

1. ✘ 0.02

2. ✘ 0.2

3. ✔ 2.0

4. ✘ 20.0

**Question Number : 100 Question Id : 3330085260 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The colour change of crystal violet in non-aqueous titration in acidic medium is \_\_\_\_\_.

**Options :**

1. ✘ Violet



2. ✘ Orange

3. ✔ Yellowish green

4. ✘ Pink

Question Number : 101 Question Id : 3330085261 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In complexometric titration \_\_\_\_\_ is suitable as an indicator.

Options :

1. ✔ Solochrome black

2. ✘ EDTA

3. ✘ Phenolphthalein

4. ✘ Methylene red

Question Number : 102 Question Id : 3330085262 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Half wave potential is related to \_\_\_\_\_.

Options :

1. ✘ Potentiometry

2. ✘ Voltametry

3. ✔ Polarography

4. ✘ Conductometry

**Question Number : 103 Question Id : 3330085263 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The calibration of absorbance of UV-Visible spectrometer is performed by using \_\_\_\_\_.

**Options :**

1. ✘ Potassium chloride

2. ✔ Potassium dichromate

3. ✘ Holmium perchlorate

4. ✘ Potassium permanganate

**Question Number : 104 Question Id : 3330085264 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 main purpose of quality assurance in GLP studies?

Options :

1. ✘ To work as a police force throughout studies.
2. ✘ To work as a helping hand while performing study work.
3. ✘ To work as a scheme to catch every mistake happening during the study.
4. ✔ For monitoring the effectiveness of quality control program of a study.

Question Number : 105 Question Id : 3330085265 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Emission wavelength of potassium ions is \_\_\_\_\_ nm.

Options :

1. ✘ 589
2. ✘ 622
3. ✘ 670
4. ✔ 766

Question Number : 106 Question Id : 3330085266 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The more sensitive detector in gas chromatography is \_\_\_\_\_ detector.

**Options :**

1. ✘ Flame ionization
2. ✘ Thermal conductivity
3. ✔ Electron capture
4. ✘ Thermoionic

**Question Number : 107 Question Id : 3330085267 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

1M  $\text{KMnO}_4$  solution is equal to \_\_\_\_\_  $\text{KMnO}_4$  solution.

**Options :**

1. ✘ 0.2N
2. ✘ 1N
3. ✘ 2N
4. ✔ 5N

**Question Number : 108 Question Id : 3330085268 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 spray reagent for detection of steroids?

**Options :**

1. ✓ Antimony trichloride
2. ✗ Bromothymol blue
3. ✗ Diphenyl carbazone
4. ✗ Mercuric nitrate

**Question Number : 109 Question Id : 3330085269 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Calculation of number of theoretical plates is done by using which of the following equation?

**Options :**

1. ✗ 
$$N = 4 \left( \frac{t_R}{W} \right)^2$$

2. ✓ 
$$N = 16 \left( \frac{t_R}{W} \right)^2$$

3. ✗ 
$$N = 16 \left( \frac{t_R}{W} \right)$$

4. ✗

$$N = 4 \left( \frac{t_R}{W^2} \right)$$

Question Number : 110 Question Id : 3330085270 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ is used for expression of precision of a method.

Options :

1. ✘ Mean

2. ✘ % Assay

3. ✔ % CV

4. ✘ Correlation coefficient

Question Number : 111 Question Id : 3330085271 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

\_\_\_\_\_ region in the electromagnetic spectrum is below 190 nm.

Options :

1. ✘ Near UV region

2. ✘ Microwave region

3. ✓ Vacuum UV region

4. ✗ Low UV region

**Question Number : 112 Question Id : 3330085272 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

In the IR analysis, aldehydes are distinguished from C=O containing compounds due to \_\_\_\_

**Options :**

1. ✗ Low frequency of absorption of aldehydes

2. ✓ Doublet at the C-H stretching region

3. ✗ Presence of double bond

4. ✗ Attachment of alkyl or aryl group to  $>C=O$

**Question Number : 113 Question Id : 3330085273 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 detectors does not require the presence of chromophore in HPLC analysis?

**Options :**

1. ✗ Fluorescence

2. ✘ Photo diode array

3. ✔ Evaporative light scattering

4. ✘ UV

**Question Number : 114 Question Id : 3330085274 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The specificity of an analytical method is defined as

**Options :**

- The ability to assess unequivocally the analyte in the presence of components which may be expected to be present
1. ✔
2. ✘ Closeness of agreement between a series of measurements
3. ✘ Closeness of agreement between the true value and the value found
4. ✘ The ability to obtain test results which are directly proportional to the concentration

**Question Number : 115 Question Id : 3330085275 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 molecule does not exhibit fluorescence?

**Options :**



1. ✘ Oxytetracycline

2. ✔ Paracetamol

3. ✘ Quinine

4. ✘ Riboflavin

Question Number : 116 Question Id : 3330085276 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Schedule I of DPCO 2013 is divided into \_\_\_\_\_ sections

Options :

1. ✘ 9

2. ✘ 18

3. ✔ 27

4. ✘ 36

Question Number : 117 Question Id : 3330085277 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Match the following

1. Schedule Y	a) Space, equipment and other facilities required to run a blood bank
2. Schedule G	b) Life period of drugs
3. Schedule N	c) Requirements and guidelines on clinical trials for import and manufacture of new drugs
4. Schedule P	d) List of drugs to be used under medical supervision

**Options :**

1. ✘ 1-b, 2-c, 3-d, 4-a

2. ✘ 1-d, 2-a, 3-b, 4-c

3. ✔ 1-c, 2-d, 3-a, 4-b

4. ✘ 1-b, 2-d, 3-b, 4-c

**Question Number : 118 Question Id : 3330085278 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

State penalty for contravention or offence relating to manufactured drugs and preparations involving commercial quantity as per Narcotic Drugs and Psychotropic Substances Act..

**Options :**

1. ✘ Rigorous imprisonment up to 10 years or fine up to Rs.1 lakh.

2. ✘ Rigorous imprisonment up to 10 years and fine up to Rs.1 lakh.

3. ✘ Rigorous imprisonment for not less than 10-20 years or fine not less than Rs.1 to 2 lakhs.
4. ✔ Rigorous imprisonment for not less than 10-20 years and fine not less than Rs.1 to 2 lakhs.

**Question Number : 119 Question Id : 3330085279 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Schedule K pertains to

**Options :**

1. ✘ List of drugs that can be used with caution under medical supervision
2. ✘ List of drugs exempted from certain provisions governing import of drugs
3. ✔ List of drugs exempted from certain provisions relating to the manufacture of drugs
4. ✘ List of diseases that a drug cannot claim to cure

**Question Number : 120 Question Id : 3330085280 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 maximum limit for import of single drug for personal use as part of bonafide baggage of a passenger?

**Options :**

1. ✔ 100

2. ✖ 150

3. ✖ 200

4. ✖ No limit