

# 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 08th Oct 2021 Shift1 |
| <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? ( SA type of questions will be always auto saved ) :</b> | Yes                           |
| <b>Is this Group for Examiner? :</b>  | No                            |

|   |           |
|---|-----------|
| <b>Section Id :</b>   | 8737189   |
| <b>Section Number :</b>   | 1         |
| <b>Mandatory or Optional :</b>                                      | Mandatory |
| <b>Number of Questions :</b>  | 120       |
| <b>Section Marks :</b>  | 120       |
| <b>Enable Mark as Answered Mark for Review and Clear Response :</b> | Yes       |

**Question Number : 1 Question Id : 873718961 Display Question Number : Yes Is Question Mandatory : No**

Which plant growth regulators are generally used as weed killer at higher concentration?

**Options :**

1. ✓ Indole-3-acetic acid
2. ✗ Indole-3-butyric acid
3. ✗ Naphthalene-1-acetic acid
4. ✗ 2,4-dichlorophenoxy acetic acid

**Question Number : 2 Question Id : 873718962 Display Question Number : Yes Is Question Mandatory : No**

----- is commonly referred as gibberellic acid and produced commercially by fungal cultivation.

**Options :**

1. ✗ GA1
2. ✗ GA2

3. ✓ GA3

4. ✗ GA4

**Question Number : 3 Question Id : 873718963 Display Question Number : Yes Is Question Mandatory : No**

Which is natural plant growth inhibitor?

**Options :**

1. ✗ Kinetin

2. ✗ Zeatin

3. ✓ Abscisic acid

4. ✗ Maleic hydrazide

**Question Number : 4 Question Id : 873718964 Display Question Number : Yes Is Question Mandatory : No**

Which is a closed plant cell culture method among the following ?

**Options :**

1. ✓ Batch suspension culture

2. ✗ Semi-continuous culture

3. ✗ Chemostat continuous culture

4. ✗ Turbostat continuous culture

**Question Number : 5 Question Id : 873718965 Display Question Number : Yes Is Question Mandatory : No**

The composition of Karl Fischer reagent used for the determination of water content includes

**Options :**

1. ✓ Iodine, sulphur dioxide, pyridine in dry methanol
2. ✗ Iodine, sulphur trioxide, pyridine in dry methanol
3. ✗ Potassium Iodide, sulphur dioxide, pyridine in dry methanol
4. ✗ Potassium Iodide, sulphur trioxide, pyridine in dry methanol

**Question Number : 6 Question Id : 873718966 Display Question Number : Yes Is Question Mandatory : No**

Example for hydrolase group of enzyme is

**Options :**

1. ✗ Glucose dehydrogenase
2. ✗ Peroxidase
3. ✗ Aldolase
4. ✓ Lipase

Question Number : 7 Question Id : 873718967 Display Question Number : Yes Is Question

Mandatory : No

Rice plant belongs to the category of

Options :

1. ✘ Intermediate C3-C4 plant
2. ✔ C3 plant
3. ✘ C4 plant
4. ✘ CAM plant

Question Number : 8 Question Id : 873718968 Display Question Number : Yes Is Question

Mandatory : No

Opium alkaloids are mainly synthesized by

Options :

1. ✘ Krebs cycle
2. ✘ Embden-Meyerhoff pathway
3. ✘ Acetate pathway
4. ✔ Shikimic acid pathway

Question Number : 9 Question Id : 873718969 Display Question Number : Yes Is Question

Mandatory : No

Example for an amino acid not occurring in plant proteins

Options :

1. ✘  $\alpha$ -alanine
2. ✔  $\beta$ -alanine
3. ✘ Arginine
4. ✘ Asparagine

**Question Number : 10 Question Id : 873718970 Display Question Number : Yes Is Question Mandatory : No**

Which of the constituent cannot be analysed by spectrofluorometric method?

**Options :**

1. ✘ Quinine
2. ✘ Aesculin
3. ✘ Aconotine
4. ✔ Quercetin

**Question Number : 11 Question Id : 873718971 Display Question Number : Yes Is Question Mandatory : No**

Which of the following is not stress compound?

**Options :**

1. ✔ Papaverine
2. ✘ Phytoalexin

3. ✘ Gossypol

4. ✘ Pterocarpan

**Question Number : 12 Question Id : 873718972 Display Question Number : Yes Is Question Mandatory : No**

Which is used as oral contraceptives?

**Options :**

1. ✘ Testosterone

2. ✘ Progesterone

3. ✘ Cortisone

4. ✔ Mestranol

**Question Number : 13 Question Id : 873718973 Display Question Number : Yes Is Question Mandatory : No**

Example for cardenolide is

**Options :**

1. ✘ Scillaridin-A

2. ✘ Hellebrigenin

3. ✔ Ouabagenin

4. ✘ Hederin

Question Number : 14 Question Id : 873718974 Display Question Number : Yes Is Question

Mandatory : No

Hager's reagent is used for the identification of

Options :

1. ✓ Alkaloids
2. ✗ Glycosides
3. ✗ Carbohydrates
4. ✗ Proteins

Question Number : 15 Question Id : 873718975 Display Question Number : Yes Is Question

Mandatory : No

The precursor for reserpine is

Options :

1. ✓ Tryptamine
2. ✗ Tyrosine
3. ✗ Phenylalanine
4. ✗ Ornithine

Question Number : 16 Question Id : 873718976 Display Question Number : Yes Is Question

Mandatory : No

Which is G-Protein coupled receptors?



**Options :**

1. ✘ GABA receptor
2. ✘ Glutamate receptor
3. ✔ Muscarinic receptor
4. ✘ NMDA receptor

**Question Number : 17 Question Id : 873718977 Display Question Number : Yes Is Question Mandatory : No**

The name reaction involved in the synthesis of Diazepam is

**Options :**

1. ✘ Diels alder reaction
2. ✘ Polonovsky rearrangement
3. ✘ Vilsmeier hantzsch reaction
4. ✔ Friedel-Crafts acylation

**Question Number : 18 Question Id : 873718978 Display Question Number : Yes Is Question Mandatory : No**

Calculate the Therapeutic Index for a drug whose  $ED_{50}$  is 50 mg and  $LD_{50}$  is 150 mg?

**Options :**

1. ✔ 3

2. ✘ 0.33

3. ✘ 2

4. ✘ 1.5

**Question Number : 19 Question Id : 873718979 Display Question Number : Yes Is Question Mandatory : No**

Drug of choice in Myoclonic Seizures is

**Options :**

1. ✘ Carbamazepine

2. ✔ Valproic acid

3. ✘ Phenytoin

4. ✘ Primidone

**Question Number : 20 Question Id : 873718980 Display Question Number : Yes Is Question Mandatory : No**

Wolf kischner reduction is involved in the synthesis of

**Options :**

1. ✔ Diclofenac sodium

2. ✘ Paracetamol

3. ✘ Aspirin

4. ✘ Naproxen

**Question Number : 21 Question Id : 873718981 Display Question Number : Yes Is Question Mandatory : No**

Morphine analog which has good cough suppressant property is

**Options :**

1. ✔ Codeine

2. ✘ Morphine

3. ✘ Heroin

4. ✘ Pethidine

**Question Number : 22 Question Id : 873718982 Display Question Number : Yes Is Question Mandatory : No**

Proline is used in the synthesis of

**Options :**

1. ✘ Ramipril

2. ✘ Quinapril

3. ✘ Benazepril

4. ✔ Captopril

Question Number : 23 Question Id : 873718983 Display Question Number : Yes Is Question

Mandatory : No

Meerwein–Ponndorf–Verley (MPV) reduction is involved in the synthesis of

Options :

1. ✘ Ciprofloxacin
2. ✘ Ofloxacin
3. ✔ Chloramphenicol
4. ✘ Piperacillin

Question Number : 24 Question Id : 873718984 Display Question Number : Yes Is Question

Mandatory : No

Dolutegravir mainly acts by

Options :

1. ✘ Entry inhibition
2. ✔ Integrase inhibition
3. ✘ Protease inhibition
4. ✘ RT inhibition

Question Number : 25 Question Id : 873718985 Display Question Number : Yes Is Question

Mandatory : No

Which is drug is active against both tissue and blood phases of malaria?

Options :

1. ✘ Chloroquine

2. ✔ Primaquine

3. ✘ Amodiaquine

4. ✘ Quinine

Question Number : 26 Question Id : 873718986 Display Question Number : Yes Is Question

Mandatory : No

Which is used as purgative

Options :

1. ✘ Sodium bicarbonate

2. ✘ Aluminium hydroxide

3. ✔ Magnesium sulphate

4. ✘ Copper sulphate

Question Number : 27 Question Id : 873718987 Display Question Number : Yes Is Question

Mandatory : No

Potash alum is mainly used as

Options :

1. ✔ Astringent

2. ✘ Antiemetic

3. ✘ Antidiarrhoeal

4. ✘ Antiseptic

**Question Number : 28 Question Id : 873718988 Display Question Number : Yes Is Question Mandatory : No**

What is the use of zinc chloride in mouth washes

**Options :**

1. ✘ Antiseptic

2. ✔ Desensitizing

3. ✘ Astringent

4. ✘ Counter irritant

**Question Number : 29 Question Id : 873718989 Display Question Number : Yes Is Question Mandatory : No**

Nascent hydrogen in the limit test for arsenic is produced by the reaction between

**Options :**

1. ✔ Zn and HCl

2. ✘ Mg and HCl

3. ✘ KI and HCl

4. ✘ SnCl<sub>2</sub> and HCl

Question Number : 30 Question Id : 873718990 Display Question Number : Yes Is Question

Mandatory : No

Common ion effect is produced in the limit test for lead by

Options :

1. ✘ Ammonium hydroxide
2. ✔ Ammonium cyanide
3. ✘ Ammonium chloride
4. ✘ Ammonium sulphate

Question Number : 31 Question Id : 873718991 Display Question Number : Yes Is Question

Mandatory : No

Mercapto acetic acid is mainly used in the testing purity of

Options :

1. ✘ Chloride
2. ✘ Sulphate
3. ✘ Heavy metals
4. ✔ Iron

Question Number : 32 Question Id : 873718992 Display Question Number : Yes Is Question

Mandatory : No

Which one of the following is not among the pharmacy practice areas?

**Options :**

1. ✘ Hospital Pharmacy
2. ✘ Nuclear Pharmacy
3. ✘ Internet Pharmacy
4. ✔ Mobile Pharmacy

**Question Number : 33 Question Id : 873718993 Display Question Number : Yes Is Question**

**Mandatory : No**

Compounding Pharmacy is

**Options :**

1. ✘ The practice of pharmacy online
2. ✘ The use of radioactive substances for treatment
3. ✔ Preparing and converting the drug into dosage forms
4. ✘ Retail store to dispense medicines

**Question Number : 34 Question Id : 873718994 Display Question Number : Yes Is Question**

**Mandatory : No**

The part of the prescription that means 'take thou' is

**Options :**

1. ✘ Subscription
2. ✘ Inscription



3. ✓ Superscription

4. ✗ Signatura

Question Number : 35 Question Id : 873718995 Display Question Number : Yes Is Question

Mandatory : No

'Haustus' is a

Options :

1. ✗ Mouthwash

2. ✗ Gargle

3. ✓ Draught

4. ✗ Inhalation

Question Number : 36 Question Id : 873718996 Display Question Number : Yes Is Question

Mandatory : No

"Charta" means

Options :

1. ✓ Powder

2. ✗ Injection

3. ✗ Linctus

4. ✗ Eardrops

Question Number : 37 Question Id : 873718997 Display Question Number : Yes Is Question Mandatory : No

Dropper bottles are preferred for

Options :

1. ✘ Topical preparations
2. ✔ Ophthalmic preparations
3. ✘ Ointments
4. ✘ Viscous liquids

Question Number : 38 Question Id : 873718998 Display Question Number : Yes Is Question Mandatory : No

Alcohol concentration in elixir is

Options :

1. ✔ 10 – 40%
2. ✘ 10 – 20%
3. ✘ 10 – 30%
4. ✘ 10 – 60%

Question Number : 39 Question Id : 873718999 Display Question Number : Yes Is Question

Mandatory : No

Syrup IP contains

Options :

1. ✘ 67.7%w/w

2. ✘ 67.5%w/w

3. ✔ 66.7%w/w

4. ✘ 67.6%w/w

Question Number : 40 Question Id : 8737181000 Display Question Number : Yes Is Question

Mandatory : No

Collodion is

Options :

1. ✘ Ethyl cellulose

2. ✘ Methyl cellulose

3. ✔ Nitro cellulose

4. ✘ Carboxymethyl cellulose

Question Number : 41 Question Id : 8737181001 Display Question Number : Yes Is Question

Mandatory : No

Lotions should be applied

**Options :**

1. ✘ With friction
2. ✔ Without friction
3. ✘ Smoothly
4. ✘ by brush

**Question Number : 42 Question Id : 8737181002 Display Question Number : Yes Is Question Mandatory : No**

Sub-coating is given to the tablet in order

**Options :**

1. ✔ To increase the adhesive of syrupe
2. ✘ To avoid deterioration due to microbial attack
3. ✘ To prevent the solubility in acidic medium
4. ✘ To avoid stickiness

**Question Number : 43 Question Id : 8737181003 Display Question Number : Yes Is Question Mandatory : No**

Poorly manufactured tablets having small pin holes on the surface is known as

**Options :**

1. ✔ Picking

2. ✘ Mottling

3. ✘ Leaching

4. ✘ Cracking

**Question Number : 44 Question Id : 8737181004 Display Question Number : Yes Is Question Mandatory : No**

In capsules, rototill is used for filling

**Options :**

1. ✘ Powders

2. ✔ Pellets

3. ✘ Liquids

4. ✘ Semisolids

**Question Number : 45 Question Id : 8737181005 Display Question Number : Yes Is Question Mandatory : No**

Among the following, which improves the flow property of granules

**Options :**

1. ✔ Glidant

2. ✘ Emollient

3. ✘ Lubricant

4. ✘ Surfactant

**Question Number : 46 Question Id : 8737181006 Display Question Number : Yes Is Question Mandatory : No**

The limit for friability of tablet is

**Options :**

1. ✔ Not less than 1%

2. ✘ Not more than 1%

3. ✘ between 0.5 to 1%

4. ✘ Up to 2%

**Question Number : 47 Question Id : 8737181007 Display Question Number : Yes Is Question Mandatory : No**

Tincture of Iodine is a

**Options :**

1. ✘ Strong Iodine solution

2. ✔ Weak Iodine solution

3. ✘ Saturated Iodine solution

## Complex Iodine solution

4. ✘

**Question Number : 48 Question Id : 8737181008 Display Question Number : Yes Is Question Mandatory : No**

Which of the following cannot be used as an emulsifying agent

**Options :**

1. ✘ Acacia

2. ✔ Chlorocresol

3. ✘ Tragacanth

4. ✘ Methyl cellulose

**Question Number : 49 Question Id : 8737181009 Display Question Number : Yes Is Question Mandatory : No**

In order to prepare 100 ml of an emulsion containing 40% peppermint Oil BP, 0.5% amaranth BP and 10% syrup. How much acacia BP will be required to prepare the primary emulsion?

**Options :**

1. ✘ 9 g

2. ✘ 10 g

3. ✔ 20 g

4. ✘ 18 g

Question Number : 50 Question Id : 8737181010 Display Question Number : Yes Is Question Mandatory : No

Which of the following is prepared by chemical reaction

Options :

1. ✓ Non-staining Iodine Ointment
2. ✗ Whitfield's Ointment
3. ✗ Simple Ointment
4. ✗ Coal-tar Ointment

Question Number : 51 Question Id : 8737181011 Display Question Number : Yes Is Question Mandatory : No

Which is not a colligative property?

Options :

1. ✗ Freezing point
2. ✗ Boiling point
3. ✗ Osmotic pressure
4. ✓ Partition co-efficient

Question Number : 52 Question Id : 8737181012 Display Question Number : Yes Is Question



**Mandatory : No**

Hemolysis will take place if the RBCs are placed in

**Options :**

1. ✘ Hypertonic solution
2. ✔ Hypotonic solution
3. ✘ Isotonic solution
4. ✘ Osmotic solution

**Question Number : 53 Question Id : 8737181013 Display Question Number : Yes Is Question**

**Mandatory : No**

Which is the main driving force involved in passive diffusion

**Options :**

1. ✔ Concentration
2. ✘ Pressure
3. ✘ Temperature
4. ✘ Electrical potential

**Question Number : 54 Question Id : 8737181014 Display Question Number : Yes Is Question**

**Mandatory : No**

The rate limiting step in percutaneous absorption is

**Options :**

1. ✘ Dissolution of drug
2. ✘ Diffusion of drug
3. ✔ Penetration of drug through stratum corneum
4. ✘ Penetration of drug through dermis

**Question Number : 55 Question Id : 8737181015 Display Question Number : Yes Is Question Mandatory : No**

The fraction of an administered dose that actually reaches the systemic circulation is referred as

**Options :**

1. ✘ Bioavailability
2. ✔ Absolute bioavailability
3. ✘ Absorption
4. ✘ Permeability

**Question Number : 56 Question Id : 8737181016 Display Question Number : Yes Is Question Mandatory : No**

Which is not an influx transporter

**Options :**

1. ✔ P-glycoprotein

2. ✘ Organic cation transporter
3. ✘ Organic anion transporter
4. ✘ Organic anion transporting polypeptides

**Question Number : 57 Question Id : 8737181017 Display Question Number : Yes Is Question Mandatory : No**

Phase-1 reaction of metabolism of drug results in

**Options :**

1. ✔ Increase in hydrophilicity
2. ✘ Increase in lipophilicity
3. ✘ Decrease in hydrophilicity
4. ✘ Decrease in lipophilicity

**Question Number : 58 Question Id : 8737181018 Display Question Number : Yes Is Question Mandatory : No**

The release of finite amount of drug at distinct time interval is called as

**Options :**

1. ✔ Pulsatile release
2. ✘ Immediate release
3. ✘ Delayed release

4. ✘ Extended release

Question Number : 59 Question Id : 8737181019 Display Question Number : Yes Is Question

Mandatory : No

Matrix tablets follow

Options :

1. ✔ Zero order release

2. ✘ First order release

3. ✘ Second order release

4. ✘ No release

Question Number : 60 Question Id : 8737181020 Display Question Number : Yes Is Question

Mandatory : No

Potassium sparing diuretics mainly acts on

Options :

1. ✘ Proximal convoluted tubule

2. ✘ Descending loop of Henle

3. ✘ Ascending loop of Henle

4. ✔ Distal convoluted tubule

Question Number : 61 Question Id : 8737181021 Display Question Number : Yes Is Question

Mandatory : No

Which is an example for intermediate acting sedatives and hypnotics

Options :

1. ✘ Diazepam
2. ✔ Nitrazepam
3. ✘ Alprazolam
4. ✘ Clobazam

Question Number : 62 Question Id : 8737181022 Display Question Number : Yes Is Question

Mandatory : No

During stage-III of plane-IV general anaesthesia

Options :

1. ✘ The pupils are normal in size and eye balls are moving
2. ✘ The pupils begin to dilate and eye balls are fixed
3. ✘ The pupils are moderately dilated and eye balls are fixed
4. ✔ The pupils are widely dilated and eye balls are fixed

Question Number : 63 Question Id : 8737181023 Display Question Number : Yes Is Question

Mandatory : No

Local anaesthetics combined with vasoconstrictors leads to

**Options :**

1. ✓ Prolongs the duration of action of local anaesthetics and reduces the systemic toxicity
2. ✗ Prolongs the duration of action of local anaesthetics and increases the systemic toxicity
3. ✗ Reduces the duration of action of local anaesthetics and reduces the systemic toxicity
4. ✗ Reduces the duration of action of local anaesthetics and increases the systemic toxicity

**Question Number : 64 Question Id : 8737181024 Display Question Number : Yes Is Question**

**Mandatory : No**

Drug of choice for the treatment of trigeminal neuralgia is

**Options :**

1. ✓ Carbamazepine
2. ✗ Phenytoin
3. ✗ Lamotrigine
4. ✗ Vigabatrin

**Question Number : 65 Question Id : 8737181025 Display Question Number : Yes Is Question**

**Mandatory : No**

Hematinics are preferably administered through which route?

**Options :**

1. ✗ Intra-articular

2. ✘ Intra thecal
3. ✔ Intra medullary
4. ✘ Intra pleural

**Question Number : 66 Question Id : 8737181026 Display Question Number : Yes Is Question Mandatory : No**

Which one is administered through intradermal injection?

**Options :**

1. ✘ Isoprenaline
2. ✘ Paraldehyde
3. ✘ Frusemide
4. ✔ BCG

**Question Number : 67 Question Id : 8737181027 Display Question Number : Yes Is Question Mandatory : No**

Cimetidine undergoes metabolism by

**Options :**

1. ✔ S-oxidation
2. ✘ N-oxidation



3. ✘ O-dealkylation

4. ✘ N-dealkylation

**Question Number : 68 Question Id : 8737181028 Display Question Number : Yes Is Question Mandatory : No**

Among the drugs, which leads to the formation of active metabolites from inactive drugs.

**Options :**

1. ✘ Aspirin

2. ✘ Diazepam

3. ✘ Chloroquine

4. ✔ Levodopa

**Question Number : 69 Question Id : 8737181029 Display Question Number : Yes Is Question Mandatory : No**

Rifampicin is excreted through

**Options :**

1. ✘ Lungs

2. ✘ Breast milk

3. ✔ Sweat

4. ✘ Urine



**Question Number : 70 Question Id : 8737181030 Display Question Number : Yes Is Question Mandatory : No**

Plasma  $t^{1/2}$  of digitoxin is

**Options :**

1. ✘ 7 minutes
2. ✘ 7 hours
3. ✔ 7 days
4. ✘ 7 weeks

**Question Number : 71 Question Id : 8737181031 Display Question Number : Yes Is Question Mandatory : No**

The receptors which do not produce pharmacological effects but are involved in binding of drugs to plasma proteins are called as

**Options :**

1. ✔ Silent receptors
2. ✘ Pharmaco receptors
3. ✘ Spare receptors
4. ✘ Storage receptors

Question Number : 72 Question Id : 8737181032 Display Question Number : Yes Is Question

Mandatory : No

Which one is partial agonist?

Options :

1. ✘ 5-HT
2. ✘ Atropine
3. ✔ Saralasin
4. ✘ Phenoxy benzamine

Question Number : 73 Question Id : 8737181033 Display Question Number : Yes Is Question

Mandatory : No

The optimal dose required to produce maximum therapeutic effect with tolerable adverse effect is called as

Options :

1. ✘ Standard dose
2. ✘ Loading dose
3. ✘ Target dose
4. ✔ Titrated dose

Question Number : 74 Question Id : 8737181034 Display Question Number : Yes Is Question

Mandatory : No

The ratio of ED<sub>50</sub> of neurological impairment to ED<sub>50</sub> of seizure protection is called as

**Options :**

1. ✘ Therapeutic index
2. ✔ Protective index
3. ✘ Risk benefit index
4. ✘ Therapeutic window

**Question Number : 75 Question Id : 8737181035 Display Question Number : Yes Is Question Mandatory : No**

Which one produces ototoxicity

**Options :**

1. ✘ INH
2. ✘ Rifampicin
3. ✘ Tetracycline
4. ✔ Amikacin

**Question Number : 76 Question Id : 8737181036 Display Question Number : Yes Is Question Mandatory : No**

M2 receptors are widely distributed in

**Options :**

1. ✔ Heart

2. ✘ Brain

3. ✘ Kidney

4. ✘ Ganglia

**Question Number : 77 Question Id : 8737181037 Display Question Number : Yes Is Question Mandatory : No**

Drug of choice for the treatment of myasthenia gravis is

**Options :**

1. ✔ Neostigmine

2. ✘ Pyridostigmine

3. ✘ Rivastigmine

4. ✘ Physostigmine

**Question Number : 78 Question Id : 8737181038 Display Question Number : Yes Is Question Mandatory : No**

Which is used in the management of COPD

**Options :**

1. ✘ Atropine

2. ✘ Hyoscine

3. ✘ Cycrimine

4. ✔ Ipratropium

**Question Number : 79 Question Id : 8737181039 Display Question Number : Yes Is Question Mandatory : No**

Astemizole belongs to the category of

**Options :**

1. ✘ Highly sedative antihistamine

2. ✘ Moderately sedative antihistamine

3. ✘ Mild sedative antihistamine

4. ✔ Non-sedative antihistamine

**Question Number : 80 Question Id : 8737181040 Display Question Number : Yes Is Question Mandatory : No**

Which is used as anti-emetics

**Options :**

1. ✘ 5-HT1 antagonist

2. ✘ 5-HT2 antagonist

3. ✔ 5-HT3 antagonist

4. ✘ 5-HT4 antagonist

Question Number : 81 Question Id : 8737181041 Display Question Number : Yes Is Question Mandatory : No

Mechanism of action of rabeprazole is

Options :

1. ✘ H2 antagonist
2. ✔ Proton pump inhibition
3. ✘ Muscarinic antagonist
4. ✘ Adrenergic antagonist

Question Number : 82 Question Id : 8737181042 Display Question Number : Yes Is Question Mandatory : No

Loperamide mainly acts on

Options :

1. ✘ Delta opioid receptor
2. ✘ Kappa opioid receptor
3. ✔ Mu opioid receptor
4. ✘ Zeta opioid receptors

Question Number : 83 Question Id : 8737181043 Display Question Number : Yes Is Question

**Mandatory : No**

Organic nitrates are clinically used during except

**Options :**

1. ✘ Acute left ventricular failure
2. ✘ Congestive cardiac failure
3. ✘ Acute myocardial infarction
4. ✔ Cardiac arrhythmias

**Question Number : 84 Question Id : 8737181044 Display Question Number : Yes Is Question**

**Mandatory : No**

Write the MOA of prazosin

**Options :**

1. ✔  $\alpha$ -adrenergic blocker
2. ✘  $\beta$ -adrenergic blocker
3. ✘ Mixed adrenergic blocker
4. ✘  $Ca^{2+}$  channel blocker

**Question Number : 85 Question Id : 8737181045 Display Question Number : Yes Is Question**

**Mandatory : No**

Which one acts by inhibition of ACE

**Options :**

1. ✘ Verapamil
2. ✘ Losartan
3. ✘ Propranolol
4. ✔ Ramipril

**Question Number : 86 Question Id : 8737181046 Display Question Number : Yes Is Question Mandatory : No**

Amiodarone mainly acts by

**Options :**

1. ✘ Sodium channel blocker
2. ✔ Potassium channel blocker
3. ✘ Calcium channel blocker
4. ✘ Chloride channel blocker

**Question Number : 87 Question Id : 8737181047 Display Question Number : Yes Is Question Mandatory : No**

Example for HMG Co-A reductase inhibitor is

**Options :**

1. ✔ Atorvastatin
2. ✘ Colestipol



3. ✖ Clofibrate

4. ✖ Probucol

**Question Number : 88 Question Id : 8737181048 Display Question Number : Yes Is Question Mandatory : No**

If the sample size is 1 to 10 mg means, what will be term of analysis used?

**Options :**

1. ✖ Macro

2. ✖ Semi-micro

3. ✔ Micro

4. ✖ Sub-micro

**Question Number : 89 Question Id : 8737181049 Display Question Number : Yes Is Question Mandatory : No**

Slightly soluble means

**Options :**

1. ✖ 30 to 100 ml of solvent will be required to dissolve 1 gm of solute

2. ✔ 100 to 1000 ml of solvent will be required to dissolve 1 gm of solute

3. ✖ 10 to 30 ml of solvent will be required to dissolve 1 gm of solute

4. ✖ 1000 to 10000 ml of solvent will be required to dissolve 1 gm of solute

**Question Number : 90 Question Id : 8737181050 Display Question Number : Yes Is Question Mandatory : No**

Which is an example for indeterminate error

**Options :**

1. ✓ Electrical noise in instruments
2. ✗ Un-calibrated mass balances
3. ✗ Improperly calibrated volumetric flasks
4. ✗ impure reagents

**Question Number : 91 Question Id : 8737181051 Display Question Number : Yes Is Question Mandatory : No**

Checking the accuracy and precision under small changes in condition is called as

**Options :**

1. ✗ Repeatability
2. ✗ Reproducibility
3. ✗ Ruggedness
4. ✓ Robustness

Question Number : 92 Question Id : 8737181052 Display Question Number : Yes Is Question Mandatory : No

Calculate the pOH of 0.01N HCl.

Options :

1. ✘ 2

2. ✔ 12

3. ✘ 1

4. ✘ 11

Question Number : 93 Question Id : 8737181053 Display Question Number : Yes Is Question Mandatory : No

Weakly acidic and weakly basic substances are preferably analyzed by which method?

Options :

1. ✘ Acidimetry

2. ✘ Alkalimetry

3. ✘ Redox

4. ✔ Non-aqueous

Question Number : 94 Question Id : 8737181054 Display Question Number : Yes Is Question Mandatory : No

Calculate the molarity of NaOH (Mol.wt = 40) if 375 ml of solution contains 5.5 gm of NaOH.

**Options :**

1. ✓ 0.37 M
2. ✗ 0.037 M
3. ✗ 3.7 M
4. ✗ 0.0037 M

**Question Number : 95 Question Id : 8737181055 Display Question Number : Yes Is Question**

**Mandatory : No**

Which concept describes that the base is the substance that contains an atom with unshared pair of electrons.

**Options :**

1. ✓ Lewis
2. ✗ Henderson – Hasselbalch
3. ✗ Bronsted lowry
4. ✗ Arrhenius

**Question Number : 96 Question Id : 8737181056 Display Question Number : Yes Is Question**

**Mandatory : No**

Mohr's method is mainly used for determination of

**Options :**

1. ✘  $Cl^-$  and  $Br^-$  in acid medium
2. ✔  $Cl^-$  and  $Br^-$  in neutral medium
3. ✘  $F^-$  and  $I^-$  in acid medium
4. ✘  $F^-$  and  $I^-$  in neutral medium

**Question Number : 97 Question Id : 8737181057 Display Question Number : Yes Is Question Mandatory : No**

Convert the transmittance of 0.39 into absorbance

**Options :**

1. ✔ 0.41
2. ✘ 0.041
3. ✘ 1.41
4. ✘ 0.0041

**Question Number : 98 Question Id : 8737181058 Display Question Number : Yes Is Question Mandatory : No**

Convert the absorbance of 0.99 into % transmittance

**Options :**

1. ✘ 1.023%

2. ✓ 10.23%

3. ✗ 0.102 %

4. ✗ 102.30 %

**Question Number : 99 Question Id : 8737181059 Display Question Number : Yes Is Question Mandatory : No**

CH<sub>3</sub>OCH<sub>3</sub> undergoes which type of electronic transition?

**Options :**

1. ✗  $\sigma \rightarrow \sigma^*$

2. ✗  $\pi \rightarrow \pi^*$

3. ✓  $n \rightarrow \sigma^*$

4. ✗  $n \rightarrow \pi^*$

**Question Number : 100 Question Id : 8737181060 Display Question Number : Yes Is Question Mandatory : No**

Bands occur due to coupling between fundamental vibration and overtone is called

**Options :**

1. ✓ Fermi resonance

2. ✗ Difference bands

3. ✘ Combination bands

4. ✘ Coupled vibrations

Question Number : 101 Question Id : 8737181061 Display Question Number : Yes Is Question Mandatory : No

In which, both bond angle is maintained

Options :

1. ✔ Rocking

2. ✘ Scissoring

3. ✘ Wagging

4. ✘ Twisting

Question Number : 102 Question Id : 8737181062 Display Question Number : Yes Is Question Mandatory : No

The finger print region in IR spectra ranges from

Options :

1. ✘  $4000 - 3000 \text{ cm}^{-1}$

2. ✘  $3000 - 2000 \text{ cm}^{-1}$

3. ✘  $2000 - 1500 \text{ cm}^{-1}$

4. ✓  $1500 - 700 \text{ cm}^{-1}$

**Question Number : 103 Question Id : 8737181063 Display Question Number : Yes Is Question Mandatory : No**

What is the enantiomeric excess of a solution containing 50% (+) and 50% (-)

**Options :**

1. ✓ 0

2. ✗ 100

3. ✗ 50

4. ✗ 25

**Question Number : 104 Question Id : 8737181064 Display Question Number : Yes Is Question Mandatory : No**

Uniform wavelength containing light whose propagation will be there at only one plane is called

**Options :**

1. ✗ Polychromatic radiation

2. ✗ Monochromatic radiation

3. ✓ Plane polarized radiation

4. ✗ Circularly polarized radiation



Question Number : 105 Question Id : 8737181065 Display Question Number : Yes Is Question Mandatory : No

Stereoisomers that are non-superposable, but are not mirror images are called

Options :

1. ✘ mesomers
2. ✘ optical antipodes
3. ✘ enantiomers
4. ✔ diastereomers

Question Number : 106 Question Id : 8737181066 Display Question Number : Yes Is Question Mandatory : No

Which is used to cement the two halves of calcite crystal in polarizer?

Options :

1. ✘ Nicol prism
2. ✔ Canada Balsam
3. ✘ Zn oxide
4. ✘ Gums and resin

Question Number : 107 Question Id : 8737181067 Display Question Number : Yes Is Question Mandatory : No

Which burner is suitable for both AAS and AES?

**Options :**

1. ✓ Laminar-flow burner
2. ✗ Bunsen burner
3. ✗ Total consumption burner
4. ✗ Non flame atomizer

**Question Number : 108 Question Id : 8737181068 Display Question Number : Yes Is Question Mandatory : No**

The functions of Q2 in triple Quadrupole mass spectrometer is

**Options :**

1. ✗ Mass filter
2. ✓ Collision cell
3. ✗ Ion trap
4. ✗ Ion purification

**Question Number : 109 Question Id : 8737181069 Display Question Number : Yes Is Question Mandatory : No**

Energy transfer due to collision between the molecules of the excited species and those of the solvent is called as

**Options :**

1. ✘ Internal conversion
2. ✘ Intersystem crossing
3. ✔ Vibrational relaxation
4. ✘ Fluorescence

**Question Number : 110 Question Id : 8737181070 Display Question Number : Yes Is Question**

**Mandatory : No**

Which mobile phase will you use for the separation of hydrophilic analytes using adsorption chromatography?

**Options :**

1. ✔ hydrophilic
2. ✘ hydrophobic
3. ✘ amphiprotic
4. ✘ neutral

**Question Number : 111 Question Id : 8737181071 Display Question Number : Yes Is Question**

**Mandatory : No**

As per DCA 1940, if any drug that has been substituted partly by another drug substance is called as

**Options :**

1. ✘ Patented drug
2. ✘ Misbranded drug
3. ✘ Adulterated drug
4. ✔ Spurious drug

**Question Number : 112 Question Id : 8737181072 Display Question Number : Yes Is Question Mandatory : No**

The total strength of DTAB is

**Options :**

1. ✘ 8
2. ✔ 18
3. ✘ 28
4. ✘ 38

**Question Number : 113 Question Id : 8737181073 Display Question Number : Yes Is Question Mandatory : No**

Drugs required to be taken under medical supervision are governed by

**Options :**

1. ✘ Schedule A
2. ✘ Schedule B

3. ✘ Schedule C

4. ✔ Schedule G

**Question Number : 114 Question Id : 8737181074 Display Question Number : Yes Is Question Mandatory : No**

Schedule H mainly deals with

**Options :**

1. ✔ List of prescription drugs

2. ✘ List of biological products governed by special provisions

3. ✘ List of other special products governed by special provisions

4. ✘ Class of drugs: extent and conditions of exemption

**Question Number : 115 Question Id : 8737181075 Display Question Number : Yes Is Question Mandatory : No**

As per DCA 1940, Form-2 is mainly used for

**Options :**

1. ✘ Memorandum to the CDL

2. ✔ Certificate of CDL for test

3. ✘ Undertaking accompanying for import license

4. ✘ Intimation to person for taking sample

**Question Number : 116 Question Id : 8737181076 Display Question Number : Yes Is Question Mandatory : No**

As per DCA 1940, Certificate of renewal of license to manufacture cosmetics is generally issued upon

**Options :**

1. ✓ Form 33
2. ✗ Form 33A
3. ✗ Form 34
4. ✗ Form 34A

**Question Number : 117 Question Id : 8737181077 Display Question Number : Yes Is Question Mandatory : No**

Which is exempted under prohibition from the import

**Options :**

1. ✗ Drugs which are not of standard qualities
2. ✗ Drugs which are misbranded
3. ✗ Drugs for import of which license is required
4. ✓ small quantities of any drug, subject to prescribed conditions for personal use

Question Number : 118 Question Id : 8737181078 Display Question Number : Yes Is Question

Mandatory : No

As per DCA 1940, BPR refers to

Options :

1. ✘ Batch packaging record
2. ✘ Batch pressure record
3. ✔ Batch processing record
4. ✘ Batch personnel record

Question Number : 119 Question Id : 8737181079 Display Question Number : Yes Is Question

Mandatory : No

For which category, NRx in red ink on left top corner of label has been printed

Options :

1. ✘ Schedule G
2. ✘ Schedule C
3. ✔ Schedule X
4. ✘ Schedule M

Question Number : 120 Question Id : 8737181080 Display Question Number : Yes Is Question

Mandatory : No

As per NDPS 1985, which is not narcotics

**Options :**

1. ✘ Morphine

2. ✘ Codeine

3. ✘ Heroin

4. ✔ Caffeine