# 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 08th Oct 2021 Shift1

**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? (SA type of questions will

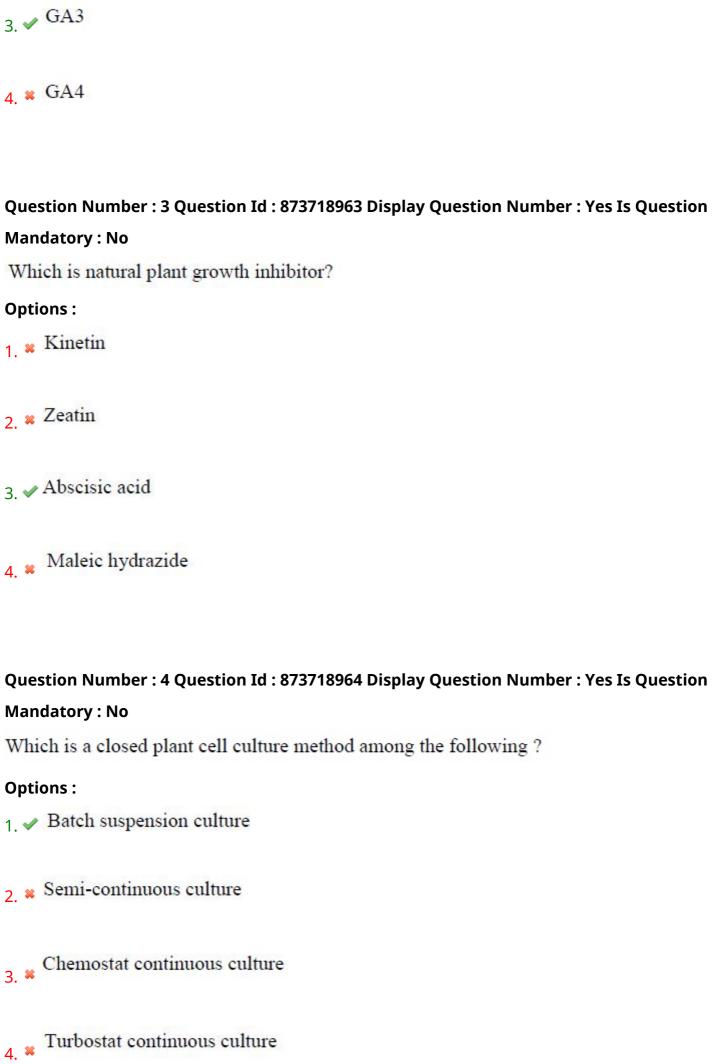
be always auto saved ):

**Is this Group for Examiner?**: No

### **Pharmacy**

Yes

Section Id :	8737189
Section Number :	1
Mandatory or Optional :	Mandatory
Number of Questions :	120
Section Marks :	120
Enable Mark as Answered Mark for Review and	Yes
Clear Response :	res
Question Number : 1 Question Id : 873718961 Displa	ay Question Number : Yes Is Question
Mandatory : No	
Which plant growth regulators are generally used as weed kille	r 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 Displa	ay Question Number : Yes Is Question
Mandatory : No	
is commonly referred as gibberellic acid and pr	roduced commercially by
fungal cultivation.	
Options:	
1. * GA1	
2. <b>*</b> GA2	



### 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:**

- Iodine, sulphur dioxide, pyridine in dry methanol
- Iodine, sulphur trioxide, pyridine in dry methanol
- Potassium Iodide, sulphur dioxide, pyridine in dry methanol
- 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

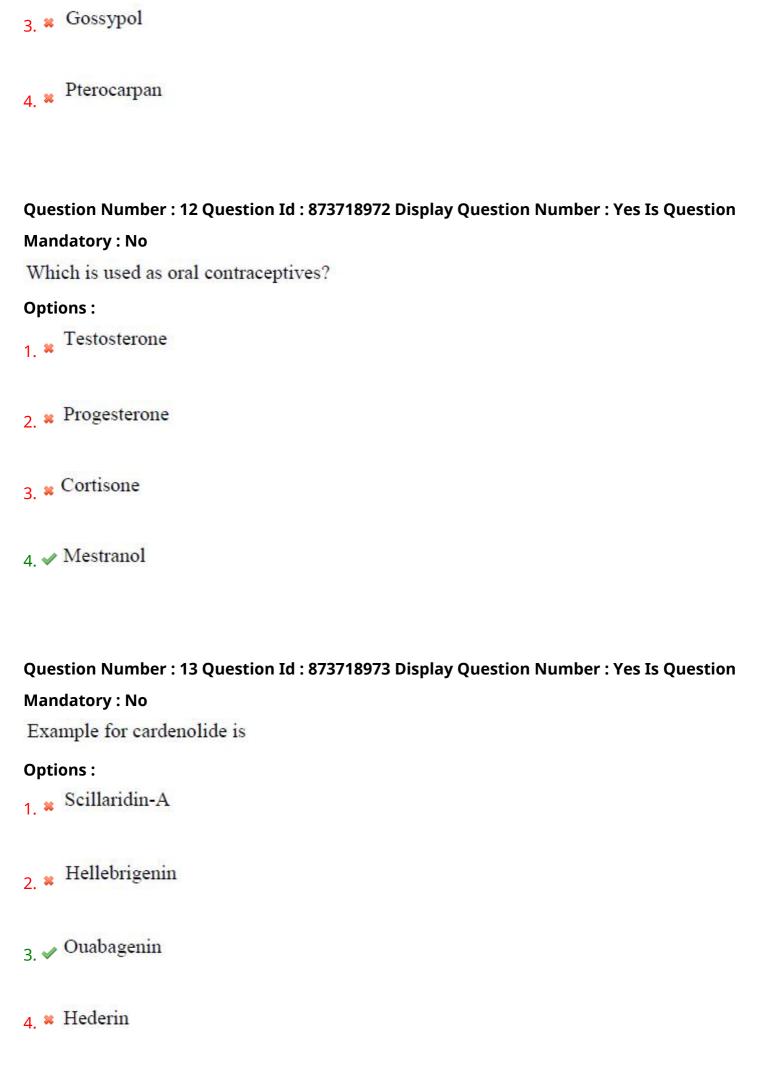
- 1. \* Glucose dehydrogenase
- 2. \* Peroxidase
- 3. \* Aldolase
- 4. Lipase

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:

Visit CollegeDekho

1. * α-alanine
2.     β-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.
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



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
Carbohydrates 3. **
4. * Proteins
Question Number : 15 Question Id : 873718975 Display Question Number : Yes Is Question
Mandatory : No
Mandatory: No  The precursor for reserpine is
The precursor for reserpine is  Options:
The precursor for reserpine is  Options:
The precursor for reserpine is
The precursor for reserpine is  Options:  1. ✓ Tryptamine
The precursor for reserpine is  Options:  1. ✓ Tryptamine  2. * Tyrosine

Mandatory : No

Which is G-Protein coupled receptors?

Options:
1. * GABA receptor
2. ** Glutamate receptor
3.
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. * Vilsmeyer hack reaction
4. Friedal's 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 <sub>50</sub> is 50 mg and LD <sub>50</sub> 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
Wolf kischner reduction is involved in the synthesis of
Options:
1.  ✓ Diclofenac sodium
2. * Paracetamol
3. * Aspirin

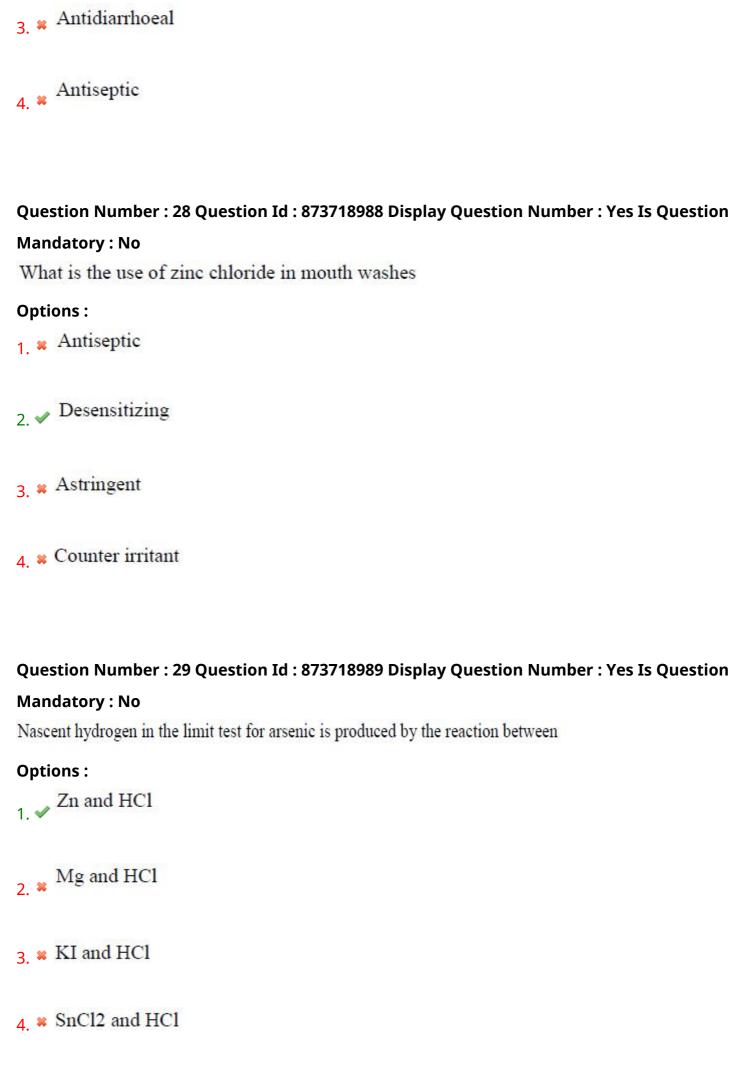
4. * Naproxen
Question Number : 21 Question Id : 873718981 Display Question Number : Yes Is Question
Mandatory : No
Morphine analog which has good cough suppressant property is
Options :
1. ✓ Codeine
2. * Morphine
3. * Heroin
4. * Pethidine
Question Number : 22 Question Id : 873718982 Display Question 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:
Ciprofloxacin  1. **
Ofloxacin 2. *
3. V 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

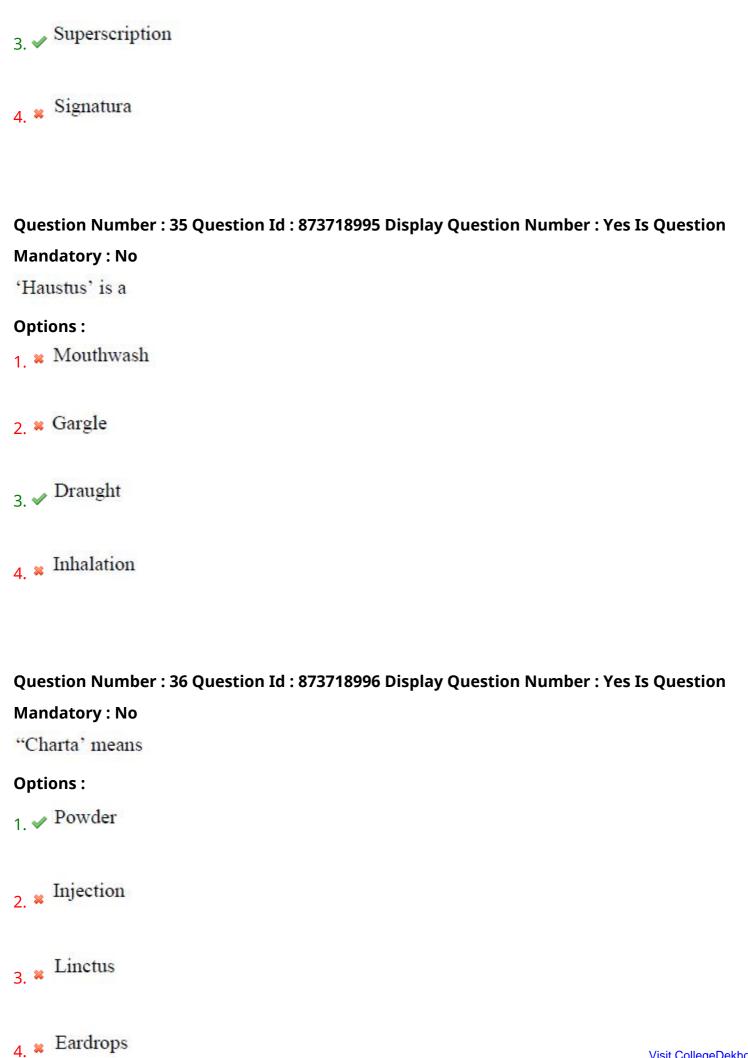


Question Number : 30 Question Id : 873718990 Display Question Number : Yes Is Question
Mandatory : No
Common ion effect is produced in the limit test for lead by
Options:
1. * Ammonium hydroxide
2. ✓ Ammonium cyanide
3. * Ammonium chloride
4. * Ammonium sulphate
Question Number : 31 Question Id : 873718991 Display Question Number : Yes Is Question
Mandatory : No
Mercapto acetic acid is mainly used in the testing purity of
Options:
1. * Chloride
2. * Sulphate
2. * Sulphate  3. * Heavy metals
3. * Heavy metals

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

Mandatory: No

Options:
1. * Hospital Pharmacy
2. * Nuclear Pharmacy
Internet Pharmacy 3. **
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  Visit CollegeDe



Question Number: 37 Question Id: 873718997 Display Question Number: Yes Is Question

### Mandatory : No

Dropper bottles are preferred for

#### Options:

- 1. \* Topical preparations
- Ophthalmic preparations
- 3. Ointments
- 4. Wiscous liquids

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

Alcohol concentration in elixir is

Question Number : 39 Question Id : 873718999 Display Question Number : Yes Is Question
Mandatory : No
Syrup IP contains
Options:
1. <b>*</b> 67.7%w/w
2. <b>*</b> 67.5%w/w
3. <b>✓</b> 66.7%w/w
4. <b>*</b> 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. Vitro 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 syruping
2. * To avoid deterioration due to microbial attack
To prevent the solubility in acidic medium  3. **
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

Mottling 2. **
3. * Leaching
4. ** Cracking
Question Number : 44 Question Id : 8737181004 Display Question Number : Yes Is Question
Mandatory : No
In capsules, rotofill 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 : 9727191007 Display Question Number : Ves Is Question
Question Number : 47 Question Id : 8737181007 Display Question Number : Yes Is Question Mandatory : No
Tincture of Iodine is a
Options :
Strong Iodine solution  1. **
2. ✓ Weak Iodine solution
3. * Saturated Iodine solution

Complex Iodine solution

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?

- 1. \* 9 g
- 2. **×** 10 g
- 3. **✓** <sup>20</sup> 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

1. * Dissolution of drug
2. * Diffusion of drug
3. ✓ Penetration of drug through stratum corneum
4. * Penetration of drug through dermis
Question Number : EF Question Id : 9727191015 Display Question Number : Ves Is Question
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:
Bioavailability 1. **
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
Decrease in hydrophilicity 3. **
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:
Pulsatile release 1. ✓
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
Second order release 3. **
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:** 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:** The pupils are normal in size and eye balls are moving The pupils begin to dilate and eye balls are fixed The pupils are moderately dilated and eye balls are fixed 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:** Prolongs the duration of action of local anaesthetics and reduces the systemic toxicity Prolongs the duration of action of local anaesthetics and increases the systemic toxicity Reduces the duration of action of local anaesthetics and reduces the systemic toxicity 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

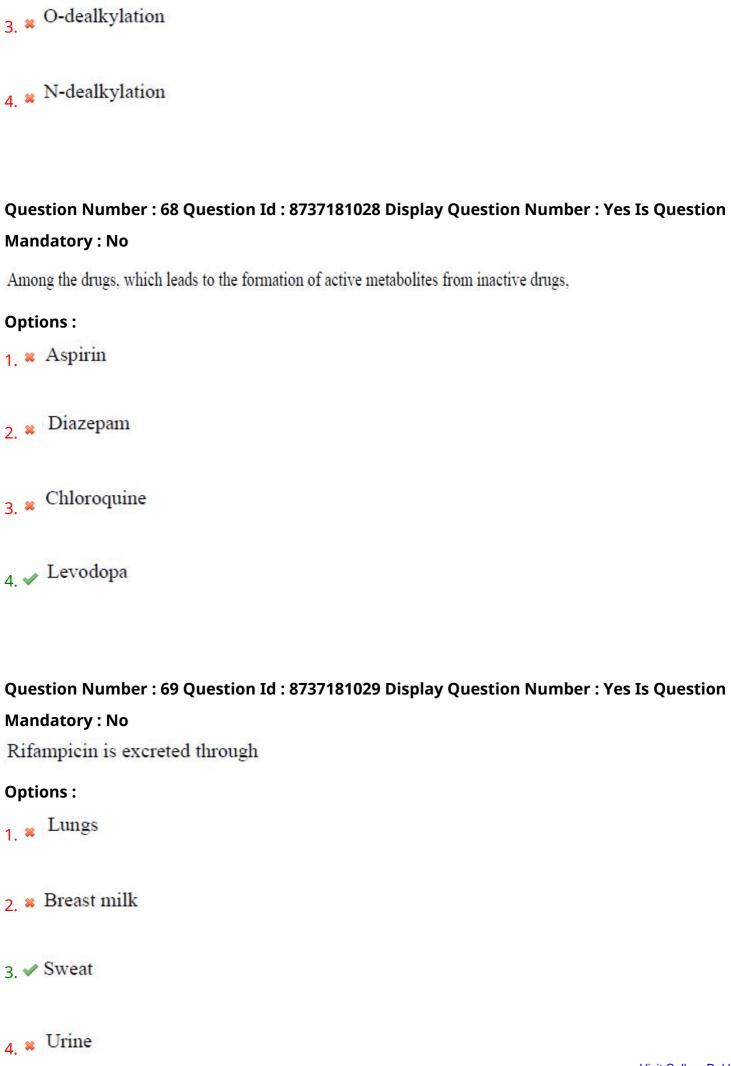
Question Number : 65 Question Id : 8737181025 Display Question Number : Yes Is Question Mandatory : No

Hematinics are preferably administered through which route?

#### **Options:**

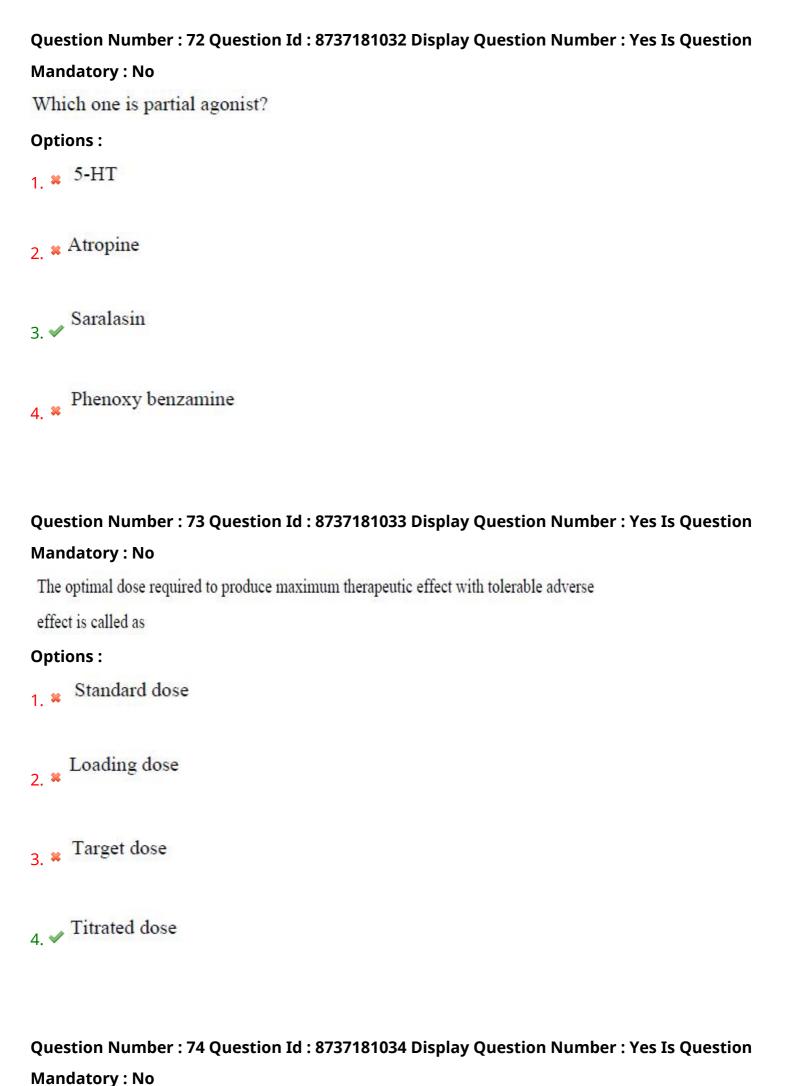
1. \* Intra-articular

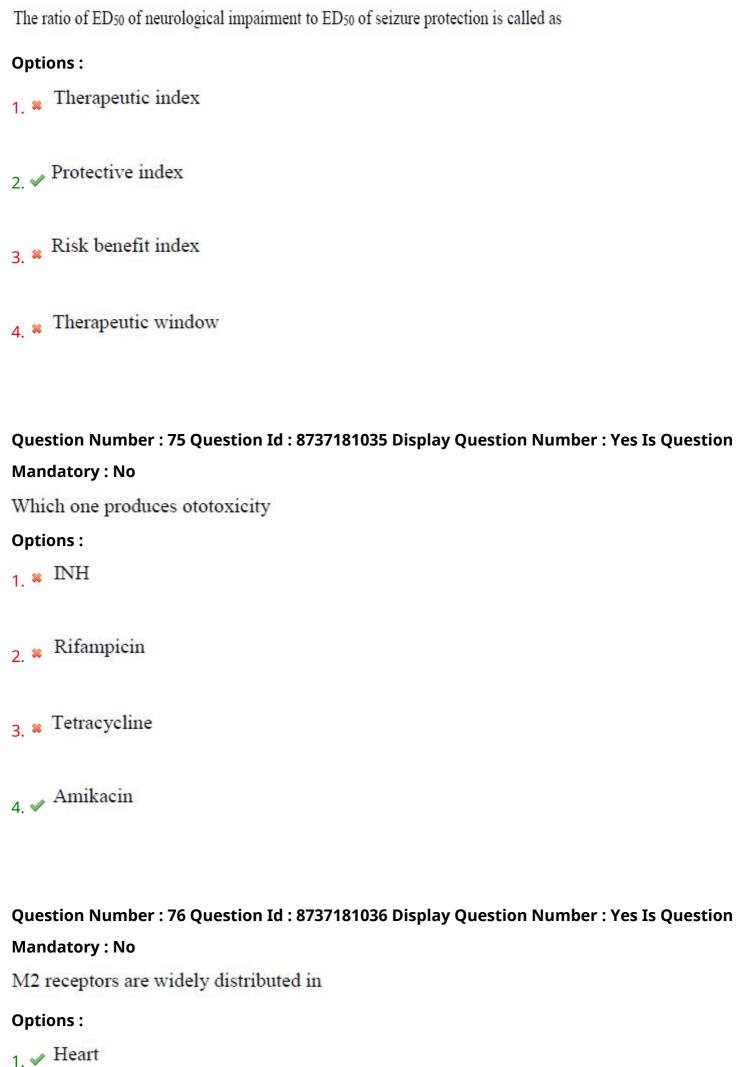
2. * Intra thecal
3. ✓ Intra medullary
4. ** Intra pleural
Question Number : 66 Question Id : 8737181026 Display Question Number : Yes Is Question
Mandatory : No
Which one is administered through intradermal injection?
Options:
1. * Isoprenaline
2. * Paraldehyde
3. * Frusemide
4. ✓ BCG
Question Number : 67 Question Id : 8737181027 Display Question Number : Yes Is Question
Mandatory : No
Cimetidine undergoes metabolism by
Options:
1.  ✓ S-oxidation
2. * N-oxidation



# Question Number: 70 Question Id: 8737181030 Display Question Number: Yes Is Question Mandatory: No Plasma t1/2 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





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. V 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 Mild sedative antihistamine 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 Visit CollegeDekho

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
Adrenergic antagonist
Question Number : 82 Question Id : 8737181042 Display Question Number : Yes Is Question
Mandatory : No
Mandatory : No Loperamide mainly acts on Options :
Mandatory: No Loperamide mainly acts on
Mandatory : No Loperamide mainly acts on Options :
Mandatory: No Loperamide mainly acts on  Options:  1. ** Delta opioid receptor  Kappa opioid receptor

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

Visit CollegeDekho

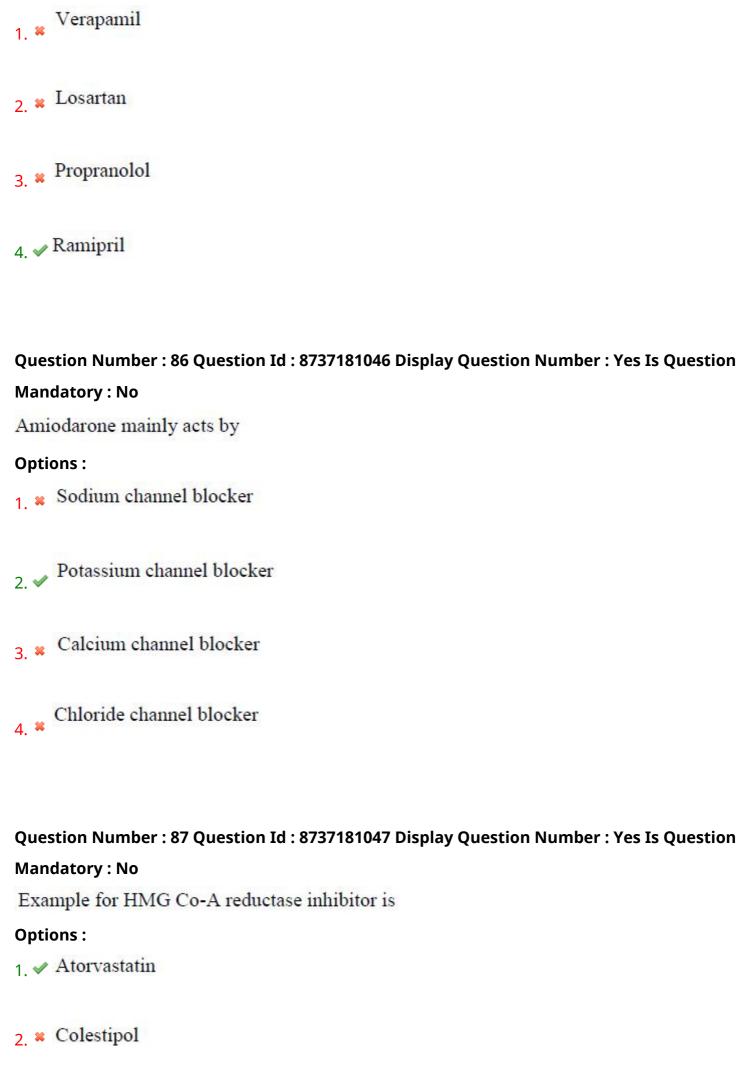
# Mandatory: No Organic nitrates are clinically used during except **Options:** 1. Acute left ventricular failure 2. \* Congestive cardiac failure 3. \* Acute myocardial infarction 4. Cardiac arrhythmias Question Number: 84 Question Id: 8737181044 Display Question Number: Yes Is Question Mandatory: No Write the MOA of prazosin **Options:** 1. α-adrenergic blocker β-adrenergic blocker 3. \* Mixed adrenergic blocker

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

Mandatory : No

▲ Ca2+ channel blocker

Which one acts by inhibition of ACE



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
10 to 30 ml of solvent will be required to dissolve 1 gm of solute 3. **
1000 to 10000 ml of solvent will be required to dissolve 1 gm of solute  4. *  Visit CollegeDekho

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
Un-calibrated mass balances 2. **
Improperly calibrated volumetric flasks  3. **
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. <b>×</b> 11
Question Number : 93 Question Id : 8737181053 Display Question Number : Yes Is Question
Mandatory: No  West-transidis and great-transidis substances are professibly analyzed by which method?
Weakly acidic and weakly basic substances are preferably analyzed by which method?
Options:
1. * Acidimetry
Alkalimetry 2. **
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.

<b>^</b>	nt	in	nc	
U	pι	10	ns	

- 1. V 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:

 $Cl^-$  and  $Br^-$  in acid medium

2.  $\checkmark$   $Cl^-$  and  $Br^-$  in neutral medium

 $F^-$  and  $I^-$  in acid medium 3. \*

 $_{4.}$   $\approx$   $F^{-}$  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%

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:

$$\sigma \rightarrow \sigma^*$$

$$\pi \rightarrow \pi *$$

3. 
$$\checkmark$$
  $n \rightarrow \sigma^*$ 

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:

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

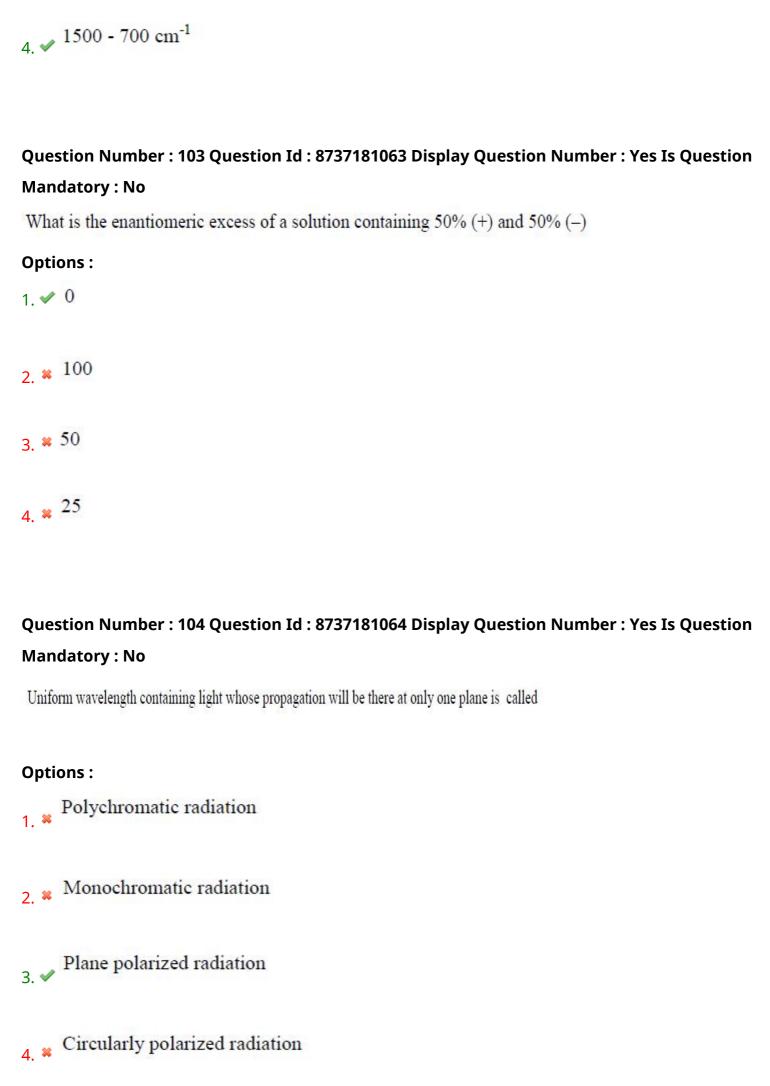
## Options:

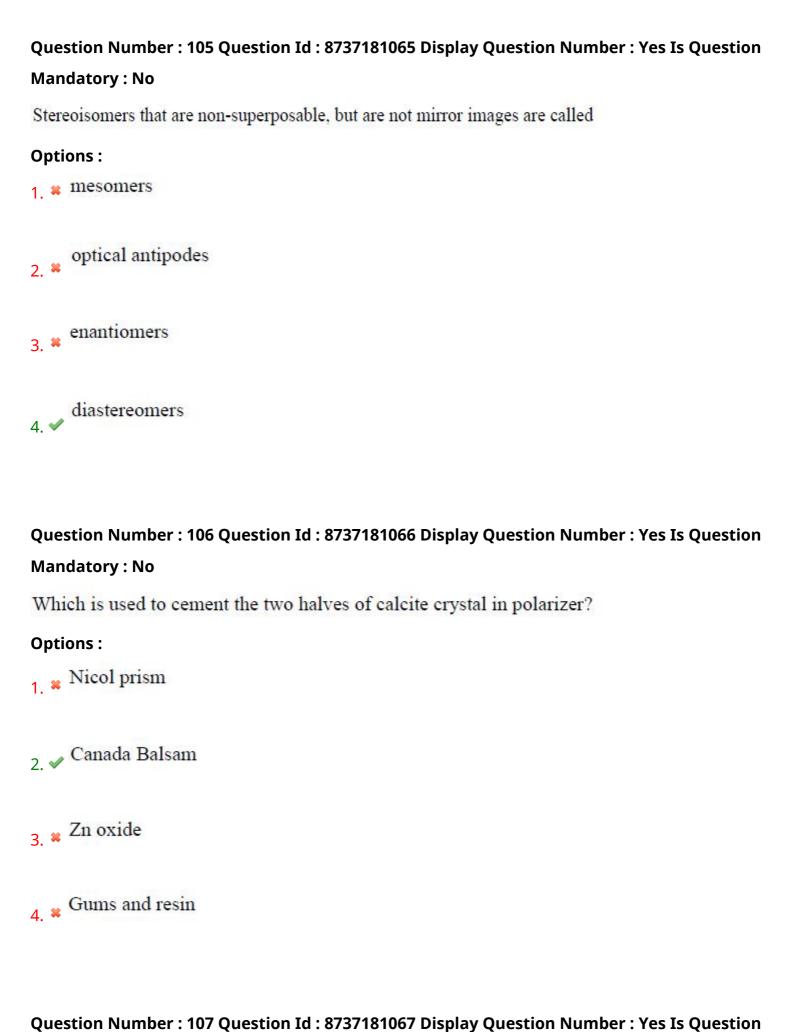
- 1. Rocking
- 2. Scissoring
- 3. Wagging
- Twisting

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

The finger print region in IR spectra ranges from

- 1. \* 4000 3000 cm<sup>-1</sup>
- 2. **3**000- 2000 cm<sup>-1</sup>
- 3. **\*** 2000 1500 cm<sup>-1</sup>





Mandatory: No

Visit CollegeDekho

Which burner is suitable for both AAS and AES?
Options :
1. ✓ Laminar-flow burner
2. * Bunsen burner
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
Ion purification 4. *
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

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. <b>*</b> <sup>28</sup>
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

## 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

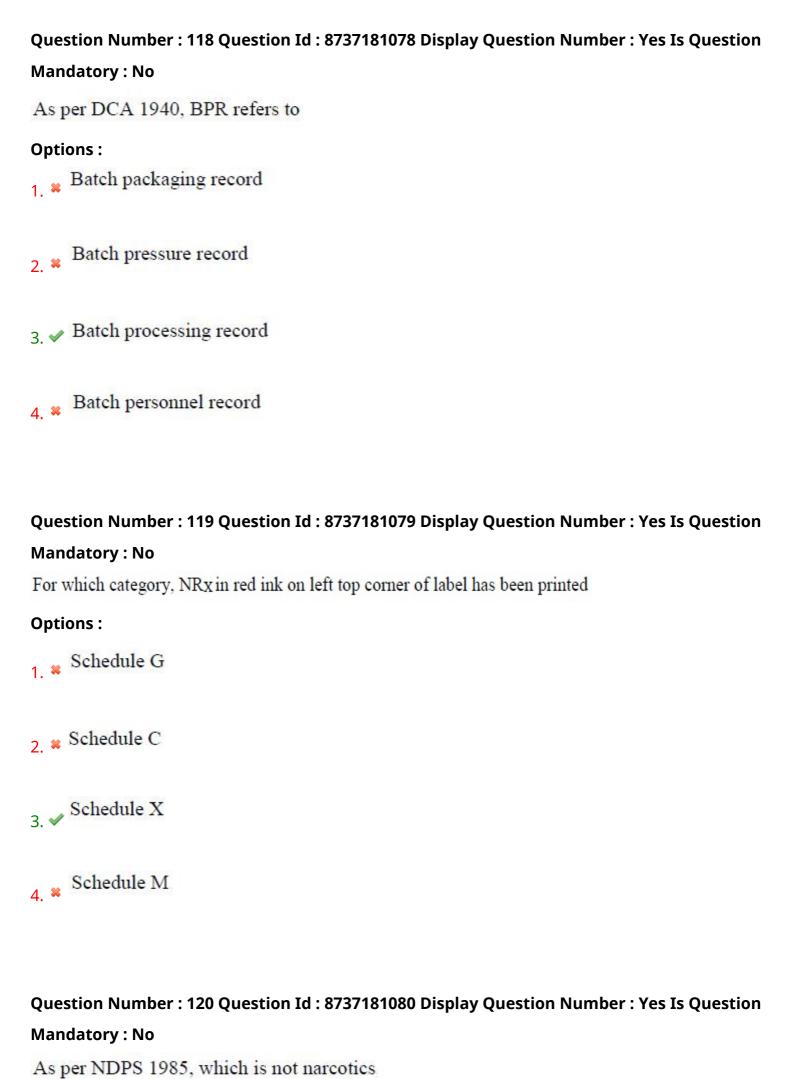
#### **Options:**

- 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

- Drugs which are not of standard qualities
- 2. \* Drugs which are misbranded
- 3. \* Drugs for import of which license is required
- small quantities of any drug, subject to prescribed conditions for personal use



Visit CollegeDekho

- 1. \* Morphine
- 2. \* Codeine
- 3. \* Heroin
- 4. Caffeine