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) :	Yes
Is this Group for Examiner? :	No

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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 Clear Response :	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

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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

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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

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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 :

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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. ✔ 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

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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

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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?

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Options :

1. ✖ GABA receptor

2. ✖ Glutamate receptor

3. ✔ Muscarnic 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. ✖ 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_{50} is 50 mg and LD_{50} is 150 mg?

Options :

1. ✔ 3

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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

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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

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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 :

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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

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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. ✖ SnCl2 and HCl

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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?

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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

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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

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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%

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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

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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

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

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2. ✖ Mottling

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

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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

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4. ✖ 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?

Options :

1. ✖ 9 g

2. ✖ 10 g

3. ✔ 20 g

4. ✖ 18 g

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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

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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 :

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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

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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

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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

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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

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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

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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

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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

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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

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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

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The ratio of ED_{50} of neurological impairment to ED_{50} 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

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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

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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

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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 Nu

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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

2. ✖ β-adrenergic blocker

3. ✖ Mixed adrenergic blocker

4. ✖ Ca2+ channel blocker

Question Number : 85 Question Id : 8737181045 Display Question Number : Yes Is Question Mandatory : No

Which one acts by inhibition of ACE

Options :

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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

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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

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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

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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

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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

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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%

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2. ✔ 10.23%

3. ✖ 0.102 %

4. ✖ 102.30 %

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

CH_3OCH_3 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

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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 cm^{-1}

2. ✖ 3000- 2000 cm^{-1}

3. ✖ 2000 - 1500 cm^{-1}

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4. ✔ $1500 - 700\ cm^{-1}$

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

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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

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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

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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 :

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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

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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

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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

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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

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Options :

1. ✖ Morphine

2. ✖ Codeine

3. ✖ Heroin

4. ✔ Caffeine

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