

Telangana State Council 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 10th June 2024 Shift 1
Subject Name :	Pharmacy
Creation Date :	2024-06-11 14:22:09
Duration :	120
Total Marks :	120
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
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Pharmacy

Group Number :	1
Group Id :	38382330
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	120

Pharmacy

Section Id :	38382392
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	120

Number of Questions to be attempted : 120
Section Marks : 120
Maximum Instruction Time : 0
Sub-Section Number : 1
Sub-Section Id : 38382392
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 3838234441 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Increase in the solubility of the aqueous systems by adding large amount of additives is known as.....

Options :

1. ✖ Solubilization
2. ✔ Hydrotrophy
3. ✖ Co solvency
4. ✖ Solid dispersion

Question Number : 2 Question Id : 3838234442 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Clarks formula.....

Options :

1. ✔ Dose for the child = Childs weight in kg/70*Adult dose
2. ✖ Dose for the child = Age in years/20*Adult dose
3. ✖ Dose for the child = Childs weight in mg/70*Adult dose
4. ✖ Dose for the child = Age in months/20*Adult dose

Question Number : 3 Question Id : 3838234443 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

One of the following is used as a key ingredient in hair conditioning product

Options :

1. ✓ Cetyl trimethyl ammonium chloride
2. ✗ Benzyl cinnamate
3. ✗ Ethanol
4. ✗ Glycerine

Question Number : 4 Question Id : 3838234444 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Empty capsule has moisture content in the range of

Options :

1. ✗ 2-3%
2. ✗ 20-30%
3. ✓ 12-15%
4. ✗ 40-45%

Question Number : 5 Question Id : 3838234445 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Aerosol container must withstand pressures as high as 140-180 psi at

Options :

1. ✗ 100°F
2. ✗ 110°F
3. ✗ 120°F
4. ✓ 130°F

Question Number : 6 Question Id : 3838234446 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Which polymer is used in the sealing step of sugar coating?

Options :

1. ✖ Poly acrylic acid
2. ✔ Shellac
3. ✖ Poly caprolactone
4. ✖ Chitin

Question Number : 7 Question Id : 3838234447 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Slugging process is also known as.....

Options :

1. ✖ Wet granulation
2. ✖ Direct compression
3. ✔ Dry granulation
4. ✖ Melt granulation

Question Number : 8 Question Id : 3838234448 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

What temperature ranges are typically used to destroy Pyrogens in Parenterals?

Options :

1. ✖ 50 °C for 10 minutes
2. ✖ 1000 °C for 15 minutes
3. ✖ 150 °C for 20 minutes
4. ✔ 250 °C for 45 minutes

Question Number : 9 Question Id : 3838234449 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

What is the net ATP synthesis during glycolysis under anaerobic conditions?

Options :

1. ✖ 4 ATP

2. ✖ 8 ATP

3. ✔ 2 ATP

4. ✖ 6 ATP

Question Number : 10 Question Id : 3838234450 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Major substrates for gluconeogenesis are.....

Options :

1. ✔ Pyruvate

2. ✖ Fructose

3. ✖ Glucose

4. ✖ Malate

Question Number : 11 Question Id : 3838234451 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Lipase is an example for the class of enzyme namely

Options :

1. ✖ Oxidoreductases

2. ✖ Transferases

3. ✔ Hydrolases

4. ✖ Ligases

Question Number : 12 Question Id : 3838234452 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

What is the final product of purine metabolism in humans?

Options :

1. ✖ Xanthine

2. ✔ Uric acid

3. ✖ Urea

4. ✖ Alanine

Question Number : 13 Question Id : 3838234453 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Triacylglycerol on lipolysis gives

Options :

1. ✔ Glycerol and free fatty acids

2. ✖ Glucose and free fatty acids

3. ✖ Urea

4. ✖ Uric acid

Question Number : 14 Question Id : 3838234454 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

In type 2 diabetes mellitus, pancreatic beta cells initially respond to insulin resistance by.....

Options :

1. ✖ Enhancing glucose uptake by peripheral tissues

2. ✖ Decreasing insulin secretion
3. ✖ Suppressing glucagon secretion
4. ✔ Increasing insulin secretion

Question Number : 15 Question Id : 3838234455 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Underlying mechanism for variant angina is.....

Options :

1. ✖ Atherosclerosis
2. ✖ Aortic stenosis
3. ✔ Coronary artery spasm
4. ✖ Cardiomyopathy

Question Number : 16 Question Id : 3838234456 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Which lipoprotein plays major role in development of Atherosclerosis?

Options :

1. ✖ HDL-C
2. ✔ LDL-C
3. ✖ VLDL
4. ✖ Chylomicrons

Question Number : 17 Question Id : 3838234457 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

The physiologic effect of PGF₂-ALFA

Options :

1. ✖ Bronchodilator
2. ✖ Vasodilator
3. ✔ Bronchoconstrictor
4. ✖ Platelet aggregation

Question Number : 18 Question Id : 3838234458 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Which gene is associated with autosomal dominant Parkinsonism?

Options :

1. ✖ UCHL1
2. ✔ LRRK2
3. ✖ TIMP2
4. ✖ UCHL3

Question Number : 19 Question Id : 3838234459 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

If a researcher mistakenly concludes that there is a significant effect when, in fact, there is none, what type of error is committed?

Options :

1. ✖ Measurement error
2. ✖ Type II error
3. ✖ Sampling error
4. ✔ Type I error

Question Number : 20 Question Id : 3838234460 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Example of Amphotropic solvent

Options :

1. ✓ Water
2. ✗ Formic acid
3. ✗ Benzene
4. ✗ Chloroform

Question Number : 21 Question Id : 3838234461 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Which functional groups or specific types of compounds can be determined using diazotization titration?

Options :

1. ✗ Alkyl halides
2. ✗ Primary alcohols
3. ✓ Primary aromatic amines
4. ✗ Carboxylic acids

Question Number : 22 Question Id : 3838234462 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Karl Fischer titration is based on thereaction between the iodine and sulphur dioxide.

Options :

1. ✗ Reduction
2. ✓ Oxidation
3. ✗ Hydrolysis

4. ✖ Condensation

Question Number : 23 Question Id : 3838234463 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

..... is the measure of how close a measurement comes to the true value

Options :

1. ✔ Accuracy
2. ✖ Precision
3. ✖ Standard deviation
4. ✖ Robustness

Question Number : 24 Question Id : 3838234464 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Cinchona is well grown in soil.

Options :

1. ✔ Acidic
2. ✖ Basic
3. ✖ Neutral
4. ✖ Non-porous

Question Number : 25 Question Id : 3838234465 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Which plant growth regulator is commonly used in tissue culture for promoting cell division and callus formation?

Options :

1. ✖ Gibberellins
2. ✖ Absciscic acid

3. ✓ Cytokinins

4. ✗ Ethylene

Question Number : 26 Question Id : 3838234466 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

The number of milligrams of KOH required to neutralize the fatty acids obtained by complete hydrolysis of 1 gram of an oil sample is

Options :

1. ✗ Iodine value

2. ✓ Saponification value

3. ✗ Hydroxyl value

4. ✗ Acetyl value

Question Number : 27 Question Id : 3838234467 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Libermann test is used for the identification of

Options :

1. ✗ Glycosides

2. ✗ Alkaloids

3. ✗ Tannins

4. ✓ Triterpenoid saponins

Question Number : 28 Question Id : 3838234468 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Biological source of pale catechu

Options :

1. ✖ Terminalia arjuna
2. ✔ Uncaria gambier
3. ✖ Acacia catechu
4. ✖ Pterocarpus marspium

Question Number : 29 Question Id : 3838234469 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

South American arrow poison is the synonym of the drug

Options :

1. ✖ Datura
2. ✔ Curare
3. ✖ Cinchona
4. ✖ Coca

Question Number : 30 Question Id : 3838234470 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

The family of fennel

Options :

1. ✔ Umbelliferae
2. ✖ Cucurbitaceae
3. ✖ Zygophyllaceae
4. ✖ Araliaceae

Question Number : 31 Question Id : 3838234471 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Cucurbitacins are the plant bitters present in

Options :

1. ✖ Spirulina
2. ✖ Stevia
3. ✖ Garlic
4. ✔ Colocynth

Question Number : 32 Question Id : 3838234472 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Which of the following is used as a rat poison?

Options :

1. ✖ Liquorice
2. ✖ Thevetia
3. ✖ Digitalis
4. ✔ European squill

Question Number : 33 Question Id : 3838234473 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Which of the following contains sesquiterpenoids?

Options :

1. ✖ Saffron
2. ✖ Fennel
3. ✔ Clove
4. ✖ Caraway

Question Number : 34 Question Id : 3838234474 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Which of the following describes the mechanism of action of metoclopramide as an antiemetic?

Options :

1. ✖ H₁ and H₂ -receptor blocking effect
2. ✖ M-cholino receptor stimulating effect
3. ✔ D₂ -dopamine and 5-HT₃ -serotonin receptor blocking effect
4. ✖ M- cholino receptor blocking effect

Question Number : 35 Question Id : 3838234475 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Class II anti arrhythmic drugs are blockers.

Options :

1. ✖ Sodium channel
2. ✖ Calcium channel
3. ✖ Potassium channel
4. ✔ Beta adrenergic receptor

Question Number : 36 Question Id : 3838234476 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

..... is drug of choice for acute iron poisoning

Options :

1. ✖ Aspirin
2. ✖ Clopidogrel

3. ✓ Deferoxamine

4. ✗ Ezetimibe

Question Number : 37 Question Id : 3838234477 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Mechanism of action of propyl thiouracil

Options :

1. ✓ Inhibition of thyroid peroxidase

2. ✗ Activation of thyroid peroxidase

3. ✗ Inhibition of thyroid oxidase

4. ✗ Activation of thyroid oxidase

Question Number : 38 Question Id : 3838234478 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

The drug that cause Stevens - Johnson syndrome is

Options :

1. ✗ Clarithromycin

2. ✗ Cimetidine

3. ✗ Azithromycin

4. ✓ Sulfamethoxazole

Question Number : 39 Question Id : 3838234479 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

What mechanism underlies the gastrointestinal discomfort induced by macrolides?

Options :

1. ✗ Histamine receptor agonist

2. ✖ Adrenergic receptor agonist
3. ✔ Motilin receptor agonist
4. ✖ Binding to 50 S ribosomal subunit

Question Number : 40 Question Id : 3838234480 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Choose the drug which is topical aminoglycoside

Options :

1. ✔ Neomycin
2. ✖ Kanamycin
3. ✖ Amikacin
4. ✖ Gentamicin

Question Number : 41 Question Id : 3838234481 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Which diuretic is known for its significant ototoxicity?

Options :

1. ✖ Torsemide
2. ✔ Ethacrynic acid
3. ✖ Azosemide
4. ✖ Indacrinone

Question Number : 42 Question Id : 3838234482 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Lorazepam is used in the treatment of

Options :

1. ✖ UTI
2. ✖ Glaucoma
3. ✔ Status epilepticus
4. ✖ Schizophrenia

Question Number : 43 Question Id : 3838234483 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

H₁ antihistaminic having anti-anxiety activity is

Options :

1. ✖ Alprazolam
2. ✔ Hydroxyzine
3. ✖ Meprobamate
4. ✖ Zopiclone

Question Number : 44 Question Id : 3838234484 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Pilocarpine is used in the treatment of

Options :

1. ✖ Alzheimer
2. ✖ Paralytic ileus
3. ✖ Myasthenia gravis
4. ✔ Glaucoma

Question Number : 45 Question Id : 3838234485 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Captopril inhibits

Options :

1. ✖ Carbonic anhydrase
2. ✔ Angiotensin converting enzyme
3. ✖ Topoisomerase
4. ✖ Fumarate reductase

Question Number : 46 Question Id : 3838234486 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Sumatriptan is selectiveagonist.

Options :

1. ✖ 5HT₃
2. ✖ 5HT₄
3. ✔ 5HT_{1B/1D}
4. ✖ 5HT_{2A}

Question Number : 47 Question Id : 3838234487 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

.....is a prodrug of terbutaline

Options :

1. ✔ Bambuterol
2. ✖ Salbutamol
3. ✖ Theophylline
4. ✖ Montelukast

Question Number : 48 Question Id : 3838234488 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

What are the long-term side effects associated with chronic isoniazid use?

Options :

1. ✖ Cardiotoxicity
2. ✔ Hepatotoxicity, peripheral neuropathy
3. ✖ Loss of hair
4. ✖ Immunotoxicity

Question Number : 49 Question Id : 3838234489 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Which type of transitions are responsible for the R-band?

Options :

1. ✖ $\pi - \pi^*$
2. ✔ $n - \pi^*$
3. ✖ $\sigma - \sigma^*$
4. ✖ $n - \sigma^*$

Question Number : 50 Question Id : 3838234490 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

What is the maximum absorption ($\lambda_{\max}$) for a homo-annular conjugated diene according to the Woodward-Fieser Rules?

Options :

1. ✔ 253nm
2. ✖ 217nm

3. ✖ 5nm

4. ✖ 215nm

Question Number : 51 Question Id : 3838234491 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

How many vibrational modes are possible for H₂O?

Options :

1. ✖ 2

2. ✖ 0

3. ✖ 1

4. ✔ 3

Question Number : 52 Question Id : 3838234492 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Which of the following is the disadvantage of nitrogen, which can be used as carrier gas in gas chromatography?

Options :

1. ✖ Dangerous to use

2. ✖ Expensive

3. ✔ Reduced sensitivity

4. ✖ Highly reactive

Question Number : 53 Question Id : 3838234493 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

What is the nature of mobile phase in normal phase chromatography?

Options :

1. ✖ Polar
2. ✔ Non polar
3. ✖ Mixture of polar and non polar
4. ✖ Can be polar and non polar, it depends on the nature of analyte

Question Number : 54 Question Id : 3838234494 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

One of the detectors used in HPLC is

Options :

1. ✖ Bolometer
2. ✖ Thermal conductivity detector
3. ✔ Refractive index detector
4. ✖ Geiger Muller counter

Question Number : 55 Question Id : 3838234495 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

The mobility of ion in electrophoresis does not depend upon

Options :

1. ✖ Shape of ion
2. ✖ Size of ion
3. ✖ Molecular weight
4. ✔ Stationary phase

Question Number : 56 Question Id : 3838234496 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Among these, which is used as stationary phase in gel electrophoresis?

Options :

1. ✖ Inorganic polymers
2. ✔ Polyacrylamide gel
3. ✖ Chromium gel
4. ✖ Momoner gel

Question Number : 57 Question Id : 3838234497 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

ELISA is widely used in

Options :

1. ✔ Clinical diagnostics
2. ✖ Food preservation
3. ✖ Structural engineering
4. ✖ Automotive manufacturing

Question Number : 58 Question Id : 3838234498 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Example of organic molecular complexes

Options :

1. ✔ Quinhydrone type complexes
2. ✖ Chelates
3. ✖ Clathrates
4. ✖ Layer type complexes

Question Number : 59 Question Id : 3838234499 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Liquid dispersions of tragacanth, sodium alginate, methylcellulose and sodium carboxymethyl cellulose exhibit

Options :

1. ✖ Plastic flow
2. ✖ Bingham flow
3. ✖ Dilatant flow
4. ✔ Pseudoplastic flow

Question Number : 60 Question Id : 3838234500 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Andreasen pipette method is used over the size range of

Options :

1. ✖ 0.01-0.1 μm
2. ✔ 0.1-300 μm
3. ✖ 0.01-50 μm
4. ✖ 0.01-1000 μm

Question Number : 61 Question Id : 3838234501 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Example of cationic surface active agent

Options :

1. ✖ Methyl cellulose
2. ✖ Bentonite

3. ✓ Benzalkonium chloride

4. ✗ Magnesium hydroxide

Question Number : 62 Question Id : 3838234502 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Chemically nitrogen mustards are.....

Options :

1. ✗ Bis alpha halo alkyl amines

2. ✗ Tris beta halo alkyl amines

3. ✓ Bis beta halo alkyl amines

4. ✗ Tris alpha halo alkyl amines

Question Number : 63 Question Id : 3838234503 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

What is strongest H₁ Antihistamines.....

Options :

1. ✓ Cetirizine

2. ✗ Fexofenadine

3. ✗ Loratidine

4. ✗ Astemizole

Question Number : 64 Question Id : 3838234504 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Histamine contains..... heterocyclic ring

Options :

1. ✗ Pyrrole

2. ✖ Pyridine

3. ✖ Thiazole

4. ✔ Imidazole

Question Number : 65 Question Id : 3838234505 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Coumarin based anti-coagulant drug.....

Options :

1. ✖ Phenindione

2. ✖ Anisindione

3. ✖ Heparin

4. ✔ Warfarin

Question Number : 66 Question Id : 3838234506 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Mechanism of action of digoxin.....

Options :

1. ✔ Inhibition of sodium-potassium pump

2. ✖ Increasing cGMP

3. ✖ Decreasing cGMP

4. ✖ Decreasing calcium levels

Question Number : 67 Question Id : 3838234507 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

What impact does replacing the decalin ring with a cyclohexane ring have on the activity of HMG-CoA reductase inhibitors?

Options :

1. ✖ 10000 fold increase in the activity
2. ✔ 10000 fold decrease in the activity
3. ✖ No changes in the activity
4. ✖ Increase in the activity

Question Number : 68 Question Id : 3838234508 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Angiotensin-II is a peptide

Options :

1. ✖ Decapeptide
2. ✖ Heptapeptide
3. ✔ Octapeptide
4. ✖ Tripeptide

Question Number : 69 Question Id : 3838234509 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Replacement of ¹₆ - methoxy group of quinine with a 7-chloro substituent results in formation of.....

Options :

1. ✖ Cinchonine
2. ✔ Chloroquine
3. ✖ Amodiaquine

4. ✖ Mefloquine

Question Number : 70 Question Id : 3838234510 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Chloramphenicol is synthesized from.....

Options :

1. ✔ 4-Nitro acetophenone
2. ✖ 4-Chloro acetophenone
3. ✖ 3-Chloro acetophenone
4. ✖ 2-Chloro acetophenone

Question Number : 71 Question Id : 3838234511 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Azithromycin has a membered lactone ring.

Options :

1. ✖ 12
2. ✖ 13
3. ✖ 14
4. ✔ 15

Question Number : 72 Question Id : 3838234512 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Which mechanism is involved in the absorption of propranolol in the body?

Options :

1. ✔ Ion pair transport
2. ✖ Pinocytosis

3. ✖ Phagocytosis

4. ✖ Passive diffusion

Question Number : 73 Question Id : 3838234513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Select the probable mechanism of absorption of a hydrophilic drug of molecular weight 80 dalton

Options :

1. ✖ Active transport

2. ✔ Filtration

3. ✖ Passive diffusion

4. ✖ Endocytosis

Question Number : 74 Question Id : 3838234514 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Which of the following represents the total integrated area under the plasma level time profile and expresses the total amount of drug that comes into systemic circulation after its administration?

Options :

1. ✖ $C_{\max}$

2. ✖ $t_{\max}$

3. ✖ MRT

4. ✔ AUC

Question Number : 75 Question Id : 3838234515 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

In the equation $dX/dt = -K_E X$, what does X stand for?

Options :

1. ✖ First order elimination rate constant
2. ✖ Distribution exponent
3. ✔ Amount of drug in the body at any time
4. ✖ Elimination exponent

Question Number : 76 Question Id : 3838234516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Dose dependent pharmacokinetics is also known as

Options :

1. ✔ Non linear pharmacokinetics
2. ✖ Linear pharmacokinetics
3. ✖ Pseudo order kinetics
4. ✖ Third order kinetics

Question Number : 77 Question Id : 3838234517 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Which term describes the drug substance in two or more identical dosage forms reaches the systemic circulation at the same relative rate and to the same relative extent without significant statistical differences?

Options :

1. ✖ Chemical equivalence
2. ✔ Bioequivalence
3. ✖ Bioinequivalence
4. ✖ Therapeutic equivalence

Question Number : 78 Question Id : 3838234518 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

What role does the P-glycoprotein efflux pump play in drug absorption?

Options :

1. ✖ Enhances metabolism
2. ✔ Inhibits absorption
3. ✖ Facilitates absorption
4. ✖ Has no effect on absorption

Question Number : 79 Question Id : 3838234519 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

What is the unit of measurement for clearance?

Options :

1. ✔ L/hour
2. ✖ L/ min
3. ✖ %/day
4. ✖ mL/ hour

Question Number : 80 Question Id : 3838234520 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Zidovudine is an analogue of

Options :

1. ✔ Thymidine
2. ✖ Cytidine

3. ✖ Purine

4. ✖ Guanosine

Question Number : 81 Question Id : 3838234521 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

An example of Imidazole containing antifungal drug is

Options :

1. ✔ Ketoconazole

2. ✖ Itraconazole

3. ✖ Fluconazole

4. ✖ Griseofulvin

Question Number : 82 Question Id : 3838234522 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Drug used to treat Amoebiasis is

Options :

1. ✖ Tolnaftate

2. ✖ Mefloquine

3. ✔ Tinidazole

4. ✖ Verapamil

Question Number : 83 Question Id : 3838234523 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Prontosil is a prodrug of

Options :

1. ✖ Sulfamethoxazole

2. ✓ Sulfanilamide
3. ✗ Nalidixic acid
4. ✗ Sulfadoxine

Question Number : 84 Question Id : 3838234524 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Which of the following is a precursor of nitroglycerin synthesis?

Options :

1. ✓ Glycerol
2. ✗ Glycol
3. ✗ Glucose
4. ✗ Glucitol

Question Number : 85 Question Id : 3838234525 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

What is the chemical nomenclature of Procaine?

Options :

1. ✗ 2-(dimethylamino)ethyl 4-aminobenzoate
2. ✗ 2-(triethylamino)ethyl 4-aminobenzoate
3. ✗ 2-(dipropylamino)ethyl 4-aminobenzoate
4. ✓ 2-(diethylamino)ethyl 4-aminobenzoate

Question Number : 86 Question Id : 3838234526 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Which of the following antibiotics possesses a β - lactam ring in its structure?

Options :

1. ✖ Erythromycin
2. ✖ Vancomycin
3. ✖ Ciprofloxacin
4. ✔ Amoxicillin

Question Number : 87 Question Id : 3838234527 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Cephalosporin nucleus consists of.....

Options :

1. ✖ Beta-lactam ring + Thiazolidine ring
2. ✖ Beta-lactam ring + Oxazolidine ring
3. ✔ Beta-lactam ring + Dihydrothiazine ring
4. ✖ Beta-lactam ring + Pyrroline ring

Question Number : 88 Question Id : 3838234528 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

What is the chemical class of zaleplon?

Options :

1. ✖ Imidobenzene
2. ✖ Imidopyrimidine
3. ✔ Pyrazolopyrimidine
4. ✖ Cyclopyrrolone

Question Number : 89 Question Id : 3838234529 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Diazepam is synthesized from.....

Options :

1. ✖ Di phenyl methane
2. ✔ 2-Amino-5-chloro benzophenone
3. ✖ 3-Chloro acetophenone
4. ✖ Phenothiazine

Question Number : 90 Question Id : 3838234530 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

In the microbiological bioassay of Amikacin, the strain used is.....

Options :

1. ✖ *Bacillus pumilus*
2. ✖ *Saccharomyces cerevisiae*
3. ✖ *Bacillus subtilis*
4. ✔ *Staphylococcus aureus*

Question Number : 91 Question Id : 3838234531 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Which of the following comes under chemical method of sterilization?

Options :

1. ✔ Ethylene oxide treatment
2. ✖ Radiation
3. ✖ Moist heat sterilization
4. ✖ Filtration

Question Number : 92 Question Id : 3838234532 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

..... helps bacteria to grow by providing nitrogenous compounds, carbon, B-complex vitamins and other growth factors for microorganisms.

Options :

1. ✘ Agar
2. ✔ Yeast extract
3. ✘ Peptone
4. ✘ Agar – Agar

Question Number : 93 Question Id : 3838234533 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Which of the following substances is used as an inactivating agent for sulfonamides?

Options :

1. ✔ PABA (Para Amino Benzoic Acid)
2. ✘ Penicillinase
3. ✘ Acetyl Transferase
4. ✘ Penicillamine

Question Number : 94 Question Id : 3838234534 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Hybridoma technology was developed by.....

Options :

1. ✔ Kohler & Milstein
2. ✘ Khorana and Korenberg

3. ✖ Khorana and Nirenberg

4. ✖ Beedle and Tatum

Question Number : 95 Question Id : 3838234535 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Which of the following is an example of passive immunity?

Options :

1. ✖ Skin acting as a physical barrier to pathogens

2. ✔ IgG Antibodies passed from mother to fetus through the placenta

3. ✖ Immune response to a specific antigen after vaccination

4. ✖ Production of interferons in response to a viral infection

Question Number : 96 Question Id : 3838234536 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

BCG vaccine contains which of the following strain

Options :

1. ✖ Ebola virus

2. ✖ Herpes virus

3. ✔ Mycobacterium bovis

4. ✖ Variola virus

Question Number : 97 Question Id : 3838234537 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Which of the following is a common method for inactivating or attenuating pathogens in vaccine production?

Options :

1. ✓ Pasteurization
2. ✗ Filtration
3. ✗ Lyophilization
4. ✗ Polymerization

Question Number : 98 Question Id : 3838234538 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Dibenzodiazepine derivative atypical neuroleptic drug is

Options :

1. ✗ Loxapine
2. ✗ Haloperidol
3. ✗ Ziprasidone
4. ✓ Clozapine

Question Number : 99 Question Id : 3838234539 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Which one of the following is sulphonyl urea derivative hypoglycemic drug

Options :

1. ✗ Repaglinide
2. ✗ Nateglinide
3. ✓ Glipizide
4. ✗ Metformin

Question Number : 100 Question Id : 3838234540 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Which is selective β_1 adrenergic antagonists?

Options :

1. ✖ Propranolol
2. ✔ Atenolol
3. ✖ Nadolol
4. ✖ Timolol

Question Number : 101 Question Id : 3838234541 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

The structural feature which is essential for both glucocorticoids & mineralocorticoids activity is

Options :

1. ✖ 6 - α substitution on ring B
2. ✔ 3- keto group on ring A
3. ✖ Double bond in the 1,2 position of ring A
4. ✖ Without 17 α hydroxy group

Question Number : 102 Question Id : 3838234542 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Which of the following antibiotic is a tetracycline?

Options :

1. ✖ Chloramphenicol
2. ✖ Streptomycin
3. ✖ Erythromycin
4. ✔ Doxycycline

Question Number : 103 Question Id : 3838234543 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

GMP is scheduled as in drugs & cosmetics act.

Options :

1. ✖ N
2. ✖ O
3. ✔ M
4. ✖ P

Question Number : 104 Question Id : 3838234544 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

ISO 14001 refers to

Options :

1. ✔ Environmental management
2. ✖ Quality system
3. ✖ Risk management
4. ✖ Energy management

Question Number : 105 Question Id : 3838234545 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

ICH Q9 refers to

Options :

1. ✖ GMP guidelines
2. ✔ Quality risk management

3. ✖ Clinical safety

4. ✖ Specifications

Question Number : 106 Question Id : 3838234546 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

The requirement and guidelines for clinical trials, import and manufacture of new drugs as per the drugs & cosmetics rules is given under schedule

Options :

1. ✖ N

2. ✔ Y

3. ✖ A

4. ✖ B

Question Number : 107 Question Id : 3838234547 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

List of substance that should be sold by retail only on prescription of registered medical practitioner comes under

Options :

1. ✖ Schedule P

2. ✔ Schedule H

3. ✖ Schedule G

4. ✖ Schedule J

Question Number : 108 Question Id : 3838234548 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

The following form under schedule A of the drug and cosmetic act is utilized for applying license “Application to Import drugs for personal use”

Options :

1. ✖ Form 8
2. ✖ Form 24 C
3. ✖ Form 19
4. ✔ Form 12A

Question Number : 109 Question Id : 3838234549 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Blood bank comes under the following schedule

Options :

1. ✖ Schedule B
2. ✖ Schedule D
3. ✔ Schedule F
4. ✖ Schedule G

Question Number : 110 Question Id : 3838234550 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Spurious drug comes under

Options :

1. ✖ Section 17
2. ✖ Section17A
3. ✔ Section 17B
4. ✖ Section 3B

Question Number : 111 Question Id : 3838234551 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Dried aluminium hydroxide gel contains NLT 47% of

Options :

1. ✖ Aluminium carbonate
2. ✔ Aluminium oxide
3. ✖ Aluminium citrate
4. ✖ Aluminium silicate

Question Number : 112 Question Id : 3838234552 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

.....is produced in limit test for chlorides

Options :

1. ✖ Turbidity
2. ✔ Opalescence
3. ✖ Precipitate
4. ✖ Pink colour

Question Number : 113 Question Id : 3838234553 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

IP limit for heavy metals is.....

Options :

1. ✖ 10 ppm
2. ✖ 15 ppm
3. ✖ 5 ppm
4. ✔ 20 ppm

Question Number : 114 Question Id : 3838234554 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

..... limit test is a pharmacopeia method is on gutzeit test

Options :

1. ✓ Arsenic
2. ✗ Iron
3. ✗ Sulphur
4. ✗ Chlorides

Question Number : 115 Question Id : 3838234555 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

Which of the following is used as an adsorbent for bacterial toxoids in preparation of Vaccines?

Options :

1. ✗ Calcium carbonate
2. ✗ Magnesium oxide
3. ✓ Aluminium phosphate
4. ✗ Sodium bicarbonate

Question Number : 116 Question Id : 3838234556 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1

The diagnostic test for myocardial infarction is

Options :

1. ✓ Creatinine kinase test
2. ✗ Haematocrit
3. ✗ Total blood count

4. ✖ Urine test

Question Number : 117 Question Id : 3838234557 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

A heart rate of 90 bpm (beats per minute) means the duration of one cardiac cycle is aboutseconds.

Options :

1. ✔ 0.67

2. ✖ 1.0

3. ✖ 1.5

4. ✖ 1.8

Question Number : 118 Question Id : 3838234558 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

The hypertensive drug used in Pregnancy is.....

Options :

1. ✖ Propranalol

2. ✖ Metaprolol

3. ✖ Diuretics

4. ✔ Methyldopa

Question Number : 119 Question Id : 3838234559 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1

Which medication is added to prolong the activity of L-DOPA in the case of motor fluctuation development?

Options :

1. ✖ MAO-B inhibitors

- 2. ✓ Catechol-O- methyl transferase inhibitor
- 3. ✗ Dopamine inhibitors
- 4. ✗ Anti-cholinergic

Question Number : 120 Question Id : 3838234560 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1

Therapeutic drug monitoring is advised in all except

Options :

- 1. ✗ Tacrolimus
- 2. ✗ Cyclosporine
- 3. ✓ Metformin
- 4. ✗ Phenytoin