

## Maharashtra Public Service Commission

## Notations :

- Options shown in green color and with ✓ icon are correct.
- Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	AssistantCommissionerDrugsGroupA 17 Mar 23 S1
Subject Name :	Assistant Commissioner Drugs Group A
Actual Answer Key :	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?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null

Question Number : 1 Question Id : 630680185643 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The substance involved in the control of platelet production is \_\_\_\_\_.

## Options :

- ✗ Plasminogen
- ✓ Thrombopoietin
- ✗ Fibrinogen
- ✗ Erythropoietin

Question Number : 2 Question Id : 630680185644 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Plasma from which the clotting factors are removed is known as \_\_\_\_\_.

Options :

1. ✘ Lymph
2. ✔ Serum
3. ✘ Plasmin
4. ✘ Platelet

Question Number : 3 Question Id : 630680185645 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Vitamin K is essential for the synthesis of the following factors except:

Options :

1. ✘ Factor IX
2. ✘ Factor X
3. ✔ Factor III
4. ✘ Factor II

Question Number : 4 Question Id : 630680185646 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The shape of erythrocyte disc is \_\_\_\_\_.

Options :

1. ✘ Biconvex
2. ✘ Concave
3. ✘ Convex
4. ✔ Biconcave

Question Number : 5 Question Id : 630680185647 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Neutrophils squeeze through the capillary walls in the area of infection through a process called \_\_\_\_\_.

Options :

1. ✘ Decussation
2. ✘ Dysplasia
3. ✘ Deglutition

4. ✔ Diapedesis

Question Number : 6 Question Id : 630680185648 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The clotting factor, Factor IX is otherwise known as \_\_\_\_\_.

Options :

1. ✓ Christmas Factor
2. ✗ Hageman Factor
3. ✗ Labile Factor
4. ✗ Stuart Prower Factor

Question Number : 7 Question Id : 630680185649 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

AIDS is a \_\_\_\_\_ immunodeficiency disease.

Options :

1. ✓ Secondary
2. ✗ Primary
3. ✗ Tertiary
4. ✗ Quaternary

Question Number : 8 Question Id : 630680185650 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Trichomonas vaginalis is a \_\_\_\_\_.

Options :

1. ✗ Fungi
2. ✗ Bacteria
3. ✓ Protozoa
4. ✗ Virus

Question Number : 9 Question Id : 630680185651 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The type of spirochaete bacteria responsible for producing syphilis is \_\_\_\_\_.

Options :

1. ✗ Leptospira

2. ✘ Helicobacter
3. ✘ Borrelia
4. ✔ Treponema

Question Number : 10 Question Id : 630680185652 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The gene for reverse transcriptase which act as marker for laboratory diagnosis of HIV infection is \_\_\_\_\_.

Options :

1. ✘ Gag
2. ✘ Tat
3. ✔ Pol
4. ✘ Env

Question Number : 11 Question Id : 630680185653 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Type I hypersensitivity reaction is mediated by \_\_\_\_\_ antibodies.

Options :

1. ✘ IgM
2. ✘ IgA
3. ✘ IgG
4. ✔ IgE

Question Number : 12 Question Id : 630680185654 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Which drug among the following antifungals act by inhibiting the formation of glucan in fungal cell wall?

Options :

1. ✘ Allylamines
2. ✘ Polyenes
3. ✔ Echinocandins
4. ✘ Azoles

Question Number : 13 Question Id : 630680185655 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response

Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ is the main mineralocorticoid in humans.

Options :

1. ✘ Serotonin
2. ✔ Aldosterone
3. ✘ Cortisol
4. ✘ Androgen

Question Number : 14 Question Id : 630680185656 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

One among the following drug is a Vitamin K antagonist anticoagulant.

Options :

1. ✘ Enoxaparin
2. ✘ Dalteparin
3. ✔ Warfarin
4. ✘ Heparin

Question Number : 15 Question Id : 630680185657 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

A drug with high affinity for receptor and high intrinsic activity is a/an \_\_\_\_\_.

Options :

1. ✔ Agonist
2. ✘ Antagonist
3. ✘ Partial agonist
4. ✘ Inverse agonist

Question Number : 16 Question Id : 630680185658 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The major carrier protein of acidic drugs in the blood stream is \_\_\_\_\_.

Options :

1. ✘ Globulin
2. ✘ Keratin

3. ✘ Ferritin

4. ✔ Albumin

Question Number : 17 Question Id : 630680185659 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Which among the following drug is a reversible carbamate inhibitor used for the treatment of Alzheimer disease?

Options :

1. ✘ Tacrine

2. ✘ Galantamine

3. ✔ Rivastigmine

4. ✘ Donepezil

Question Number : 18 Question Id : 630680185660 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The enteral route of administration depicts one among the following route.

Options :

1. ✘ Intrathecal

2. ✔ Buccal

3. ✘ Transdermal

4. ✘ Inhalation

Question Number : 19 Question Id : 630680185661 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Dipeptidyl peptidase IV is a \_\_\_\_\_ protease.

Options :

1. ✘ Threonine

2. ✘ Aspartic

3. ✘ Cysteine

4. ✔ Serine

Question Number : 20 Question Id : 630680185662 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Drugs having hydrazine residues are metabolized by getting conjugated through \_\_\_\_\_.

Options :

1. ✓ Acetylation
2. ✗ Methylation
3. ✗ Glucoronidation
4. ✗ Oxidation

Question Number : 21 Question Id : 630680185663 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

One among the following drug is a direct renin inhibitor

Options :

1. ✗ Trandolapril
2. ✗ Irbesartan
3. ✓ Aliskiren
4. ✗ Fosinopril

Question Number : 22 Question Id : 630680185664 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The drug which is contraindicated due to the possible association with Reye Syndrome is \_\_\_\_\_.

Options :

1. ✓ Aspirin
2. ✗ Sulindac
3. ✗ Indomethacin
4. ✗ Ketorolac

Question Number : 23 Question Id : 630680185665 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The non-opioid analgesic which is a synthetic copy of neuro active con snail toxin is \_\_\_\_\_.

Options :

1. ✓ Ziconotide
2. ✗ Fentanyl
3. ✗ Diflunisal
4. ✗ Etodolac

Question Number : 24 Question Id : 630680185666 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Receptor macromolecular perturbation theory fails in substantiating the concept of \_\_\_\_\_.

Options :

1. ✘ Agonism
2. ✘ Antagonism
3. ✘ Partial agonism
4. ✔ Inverse agonism

Question Number : 25 Question Id : 630680185667 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Which among the following is a respiratory irritant type of asphyxiant poison?

Options :

1. ✘ Carbon monoxide
2. ✘ Carbon dioxide
3. ✔ Hydrogen sulfide
4. ✘ Helium

Question Number : 26 Question Id : 630680185668 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ poisoning decreases haeme synthesis by inactivating ferrochelatase enzyme.

Options :

1. ✔ Lead
2. ✘ Arsenic
3. ✘ Copper
4. ✘ Sodium

Question Number : 27 Question Id : 630680185669 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Which drug among the following is known to cause respiratory depression?

Options :

1. ✘ Phenothiazine



2. ✘ Levodopa

3. ✔ Strychnine

4. ✘ Clonidine

Question Number : 28 Question Id : 630680185670 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The synonym 'Angel Dust' is referred by addicts for \_\_\_\_\_ drug.

Options :

1. ✔ Phencyclidine

2. ✘ Dimethyltryptamine

3. ✘ Mescaline

4. ✘ Tacrine

Question Number : 29 Question Id : 630680185671 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

During the chemical inactivation of formaldehyde poisoning, treatment with ammonia produces \_\_\_\_\_.

Options :

1. ✘ Pentaethylene hexamine

2. ✔ Hexamethylene tetramine

3. ✘ Tetraethylene triamine

4. ✘ Diethylene triamine

Question Number : 30 Question Id : 630680185672 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The ingestion of \_\_\_\_\_ insecticides causes lethal action by inhibition of GABA mediated inhibitory chloride channel.

Options :

1. ✘ Carbamate

2. ✘ Glyphosate

3. ✘ Organophosphorus

4. ✔ Pyrethroid

Is Section Default? :

null

Question Number : 31 Question Id : 630680185673 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

The inorganic energy source used by Nitrosomonas:

Options :

1. ✘ Alcohol
2. ✘ Succinate
3. ✔ Ammonia
4. ✘ Fumarate

Question Number : 32 Question Id : 630680185674 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Growth of lactobacilli within the vaginal vault reduces the pH to approximately \_\_\_\_\_ and prevents the growth of many opportunist pathogens:

Options :

1. ✔ 4.5
2. ✘ 8.5
3. ✘ 9.5
4. ✘ 11.5

Question Number : 33 Question Id : 630680185675 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

In bacterial growth curve the lag phase represents:

Options :

1. ✘ Levelling off
2. ✔ Increase in cell size.
3. ✘ Growth rate
4. ✘ Death

Question Number : 34 Question Id : 630680185676 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Unstained bacteria can be counted using \_\_\_\_\_.

Options :

1. ✔ Phase -contrast microscope

2. ✘ Epifluorescence
3. ✘ Compound light microscope
4. ✘ Turbidimeter

Question Number : 35 Question Id : 630680185677 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ is an example of Positive single-stranded RNA.

Options :

1. ✘ Rhabdovirus
2. ✘ Paramyxovirus
3. ✘ Orthomyxovirus
4. ✔ Poliovirus

Question Number : 36 Question Id : 630680185678 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 2 Wrong Marks : 0.5

Chlamydo spores are formed from cells of \_\_\_\_\_.

Options :

1. ✘ Sporangia
2. ✘ Parent nuclei
3. ✔ Vegetative hypha
4. ✘ Haploid nuclei

Question Number : 37 Question Id : 630680185679 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 2 Wrong Marks : 0.5

Ziehl-Neelsen stain is used to identify \_\_\_\_\_.

Options :

1. ✘ E. Coli
2. ✔ Mycobacteria
3. ✘ Salmonella
4. ✘ Pseudomonas

Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Crystal violet (CV) dissociates in aqueous solutions to form CV<sup>+</sup> and \_\_\_\_\_.

Options :

1. ✓ Chloride ion
2. ✗ Iodide ion
3. ✗ Fluoride ion
4. ✗ Bromide ion

Question Number : 39 Question Id : 630680185681 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response

Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

To avoid spoilage insulin injection should be stored at \_\_\_\_\_.

Options :

1. ✗ 15°C to 25°C
2. ✓ 2°C to 8°C
3. ✗ -20°C
4. ✗ -80°C

Question Number : 40 Question Id : 630680185682 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response

Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The terminal methyl group of alkyl benzene sulphonates are metabolized by \_\_\_\_\_.

Options :

1. ✗ degradation of the cyclic nuclei
2. ✗  $\alpha$  - oxidation
3. ✗  $\beta$  - oxidation
4. ✓  $\omega$  - oxidation

Question Number : 41 Question Id : 630680185683 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response

Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

One among the following spores resist boiling.

Options :

1. ✗ Streptococcus
2. ✗ Pseudomonas

3. ✓ Bacillus

4. ✘ Escherichia coli

Question Number : 42 Question Id : 630680185684 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Syringes are commonly sterilized by employing \_\_\_\_\_.

Options :

1. ✘ Cosmic rays
2. ✘ Alpha rays
3. ✘ Beta rays
4. ✔ Gamma rays

Question Number : 43 Question Id : 630680185685 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

One among the following sterilization parameter is monitored in dry heat sterilization.

Options :

1. ✘ Gas concentration
2. ✔ Temperature
3. ✘ Exposure to radiation
4. ✘ Radiation doses

Question Number : 44 Question Id : 630680185686 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Steam-sterilization temperature employed in moist heat sterilization of pharmaceutical and medical products.

Options :

1. ✔ 121 °C
2. ✘ 160 °C
3. ✘ 450 °C
4. ✘ 600 °C

Question Number : 45 Question Id : 630680185687 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

One among the following is absent in eukaryotes.

Options :

1. ✓ Circular chromosome

2. ✗ Golgi apparatus

3. ✗ Endoplasmic reticulum

4. ✗ Mitochondria

Is Section Default? : null

Question Number : 46 Question Id : 630680185688 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ is an inherited disorder of galactose metabolism.

Options :

1. ✗ Anemia

2. ✓ Galactosaemia

3. ✗ Thalassemia

4. ✗ Sickle cell anemia

Question Number : 47 Question Id : 630680185689 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

NADPH is produced in pentose-phosphate pathway is used in \_\_\_\_\_.

Options :

1. ✗ Purine synthesis

2. ✗ DNA synthesis

3. ✗ RNA synthesis

4. ✓ Fatty acid synthesis

Question Number : 48 Question Id : 630680185690 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Multiple form of an enzyme catalyzing the same reaction is termed as \_\_\_\_\_.

Options :

1. ✗ Co-enzyme

2. ✓ Isoenzyme

3. ✗ Diagnostic enzyme

4. ✘ Allosteric enzyme

Question Number : 49 Question Id : 630680185691 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The functional enzyme is referred to as \_\_\_\_\_.

Options :

1. ✘ Apoenzyme
2. ✘ Coenzyme
3. ✔ Holoenzyme
4. ✘ Proenzymes

Question Number : 50 Question Id : 630680185692 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Translocation brought about by elongation \_\_\_\_\_ is called as translocase.

Options :

1. ✘ Factor A
2. ✘ Factor C
3. ✘ Factor E
4. ✔ Factor G

Question Number : 51 Question Id : 630680185693 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ is the starting material for ketogenesis.

Options :

1. ✘ Acetyl CoA
2. ✘ Acetoacetate
3. ✔ Aceto-acetyl CoA
4. ✘ Acetophenone

Question Number : 52 Question Id : 630680185694 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Alpha amino beta phenyl propionic acid is \_\_\_\_\_.

Options :

1. ✘ Tyrosine
2. ✔ Phenylalanine
3. ✘ Alanine
4. ✘ Glycine

Question Number : 53 Question Id : 630680185695 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ are the chief source of histamine in the circulating cells.

Options :

1. ✘ Erythrocytes
2. ✘ Lymphocytes
3. ✔ Basophils
4. ✘ Neutrophils

Question Number : 54 Question Id : 630680185696 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 2 Wrong Marks : 0.5

DNA synthesis occurs during the \_\_\_\_\_ phase of the cell cycle.

Options :

1. ✘ M Phase
2. ✘ M1 Phase
3. ✔ S Phase
4. ✘ G Phase

Question Number : 55 Question Id : 630680185697 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 2 Wrong Marks : 0.5

In the diazotization titrations, the most commonly used titrant is \_\_\_\_\_.

Options :

1. ✘ Sodium thiosulphate
2. ✘ Sodium carbonate
3. ✘ Sodium sulphite
4. ✔ Sodium nitrite



Question Number : 56 Question Id : 630680185698 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ is a test tube method for amplifying a selected DNA sequence.

Options :

1. ✓ Polymerase chain reaction
2. ✗ Redox potential reaction
3. ✗ Oxidation reaction
4. ✗ Reduction reaction

Question Number : 57 Question Id : 630680185699 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ occurs once in every 500 nucleotides or about  $10^7$  times per genome.

Options :

1. ✓ Polymorphism
2. ✗ Genetic mutation
3. ✗ Rearrangement of DNA
4. ✗ Protein production

Question Number : 58 Question Id : 630680185700 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Dragendorff reagent is a solution of \_\_\_\_\_.

Options :

1. ✗ Potassium mercuric iodide
2. ✗ Phosphotungstic acid
3. ✗ Saturated Picric acid
4. ✓ Potassium Bismuth iodide

Question Number : 59 Question Id : 630680185701 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The sample cell in an IR spectrophotometer is made up of \_\_\_\_\_.

Options :

1. ✗ Glass

2. ✘ Quartz
3. ✔ Potassium bromide
4. ✘ Polystyrene

Question Number : 60 Question Id : 630680185702 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

In isocratic elution technique.

Options :

1. ✘ The same solvent is used
2. ✔ The same solvent composition is used
3. ✘ Only one solvent is used
4. ✘ Mixture of solvents cannot be used

Question Number : 61 Question Id : 630680185703 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

In normal phase chromatography, the stationary phase is \_\_\_\_\_.

Options :

1. ✔ Polar
2. ✘ Nonpolar
3. ✘ Moderately polar
4. ✘ Weak adsorbent

Question Number : 62 Question Id : 630680185704 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The principle of separation in GLC is \_\_\_\_\_.

Options :

1. ✘ Adsorption
2. ✔ Partition
3. ✘ Ion exchange
4. ✘ Gel permeation

Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

In the limit test for iron, the following compound helps to prevent the precipitation iron as ferrous hydroxide.

Options :

1. ✘ Ammonia
2. ✘ Thioglycollic acid
3. ✘ Dilute Hydrochloric acid
4. ✔ Citric acid

Question Number : 64 Question Id : 630680185706 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Sterility testing is done to prevent the contaminations by \_\_\_\_\_ in parenteral preparations

Options :

1. ✘ Atmosphere
2. ✔ Microbes
3. ✘ Particles
4. ✘ Packaging materials

Question Number : 65 Question Id : 630680185707 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Gutzeit test is used in the limit test for \_\_\_\_\_.

Options :

1. ✘ Lead
2. ✘ Iron
3. ✘ Heavy metals
4. ✔ Arsenic

Question Number : 66 Question Id : 630680185708 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Expanded form of dithizone, which is used in the limit test for lead is:

Options :

1. ✘ Diphenyl carbazone
2. ✘ Diphenyl thioazone

3. ✓ Diphenyl thiocarbazone

4. ✗ Diphelamine

Question Number : 67 Question Id : 630680185709 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ are applied with the help of a tooth brush for cleaning the surface of the teeth.

Options :

1. ✗ Dusting powder

2. ✗ Surgical powder

3. ✓ Dentifrices

4. ✗ Insufflations

Question Number : 68 Question Id : 630680185710 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ are viscous liquid oral preparations that are generally prescribed for the relief of cough.

Options :

1. ✗ Liniments

2. ✗ Elixirs

3. ✓ Linctus

4. ✗ Gargles

Question Number : 69 Question Id : 630680185711 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ are added to improve the appearance of tablets, flow properties of granules and to prevent the sticking of the materials to the dies and punches.

Options :

1. ✗ Disintegrating agents

2. ✓ Lubricants

3. ✗ Binding agents

4. ✗ Diluent

Question Number : 70 Question Id : 630680185712 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The frictional forces in case of loose powder are measured by the \_\_\_\_\_.

Options :

1. ✘ Dissolution test
2. ✘ Uniformity of weight
3. ✘ Disintegration test
4. ✔ Angle of repose

Question Number : 71 Question Id : 630680185713 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ are made into subarachnoid space that surrounds the spinal cord.

Options :

1. ✘ Peridural injections
2. ✘ Intracerebral injections
3. ✘ Intracardiac injections
4. ✔ Intrathecal injections

Question Number : 72 Question Id : 630680185714 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Fluorescence test is used as test for identification of \_\_\_\_\_.

Options :

1. ✘ Tablets
2. ✘ Capsules
3. ✘ Powders
4. ✔ Emulsions

Question Number : 73 Question Id : 630680185715 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

List of Ayurvedic and Unani poisons including Siddha special provisions are included in Schedule \_\_\_\_\_.

Options :

1. ✔ E1
2. ✘ E2
3. ✘ F1

4. ✘ F2

Question Number : 74 Question Id : 630680185716 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The first edition of Indian pharmacopoeia was brought out in \_\_\_\_\_.

Options :

1. ✔ 1955

2. ✘ 1956

3. ✘ 1957

4. ✘ 1958

Question Number : 75 Question Id : 630680185717 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Following are the ex-officio members of PCI EXCEPT.

Options :

1. ✘ Drug controller of India

2. ✘ Director of general health services

3. ✘ Director of central drug laboratory

4. ✔ Drug inspector

Is Section Default? :

null

Question Number : 76 Question Id : 630680185718 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

According to which act the 'advertisement' includes any notice, circular, label, wrapper or other document, and any announcement made orally or by any means of producing or transmitting light, sound or smoke.

Options :

1. ✘ The Pharmacy Act

2. ✔ Drugs and Magic Remedies Act

3. ✘ The Poisons Act

4. ✘ The Patents Act

Question Number : 77 Question Id : 630680185719 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

According to the Excise Duties Act-1955, who is the licensing authority in the case of bonded manufactory of alcoholic preparations?

Options :

- ✘ Excise Officer
- ✘ Drug Inspector
- ✘ Narcotic Officer
- ✔ Excise Commissioner

Question Number : 78 Question Id : 630680185720 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The drugs and substances specified in which schedule of the Narcotic Drugs and Psychotropic Substances Act-1985 are generally prohibited from importing into and exporting out of India?

Options :

- ✔ Schedule I
- ✘ Schedule II
- ✘ Schedule III
- ✘ Schedule IV

Question Number : 79 Question Id : 630680185721 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The Drugs are statutorily recognized as what?

Options :

- ✔ Essential commodity
- ✘ Non-Essential commodity
- ✘ Scheduled formulations
- ✘ Non-Scheduled formulations

Question Number : 80 Question Id : 630680185722 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

According to Drugs (Price Control) Order 2013, "Scheduled formulation" means any formulation included in \_\_\_\_\_ schedule of the act.

Options :

- ✘ First
- ✔ Second

3. ✘ Third
4. ✘ Fourth

Question Number : 81 Question Id : 630680185723 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Below are the main objectives of pharmaceutical policy 2002, EXCEPT.

Options :

1. ✘ Ensuring abundant availability drugs at reasonable prices
2. ✘ Indigenous cost-effective production of drugs
3. ✘ Encouraging R&D in the pharmaceutical sector
4. ✔ Encouraging Import of Essential Drugs

Question Number : 82 Question Id : 630680185724 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Which Schedule of the Drugs and Cosmetics Act-1940 contains the fees structure for Drug testing/analysis in government-run labs?

Options :

1. ✘ Schedule A
2. ✔ Schedule B
3. ✘ Schedule M
4. ✘ Schedule Y

Question Number : 83 Question Id : 630680185725 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Schedule M-II of the Drugs and Cosmetics Act-1940 deals with requirement of factory premises for manufacturing of:

Options :

1. ✘ Homeopathic preparations
2. ✔ Cosmetic products
3. ✘ Medical devises
4. ✘ Surgical dressings

Question Number : 84 Question Id : 630680185726 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response



Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

According to the Drugs and Cosmetics Act-1940, which of the following category of drugs is prohibited from import into India?

Options :

1. ✘ Drug formulation
2. ✘ Bulk drug
3. ✘ Active pharmaceutical ingredient
4. ✔ Spurious drug

Question Number : 85 Question Id : 630680185727 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

According to the Drugs and Cosmetics Act-1940, drugs listed in which Schedule are exempted from the provisions related to import of drugs?

Options :

1. ✘ Schedule A
2. ✘ Schedule B
3. ✔ Schedule D
4. ✘ Schedule Y

Question Number : 86 Question Id : 630680185728 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Drugs specified in which schedule shall be sold or offered for sale unless it has been sealed in a previously sterilized container.

Options :

1. ✘ Schedule A
2. ✘ Schedule B
3. ✔ Schedule C
4. ✘ Schedule N

Question Number : 87 Question Id : 630680185729 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Under the Drugs and Cosmetics Act-1940, the Central Drug Standard Control Organisation (CDSCO) is responsible for:

Options :

1. ✘ Regulation of drugs manufacturing

2. ✓ Approval of new drugs
3. ✗ Regulation of drugs sale
4. ✗ Regulation of drugs distribution

Question Number : 88 Question Id : 630680185730 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ is a system for ensuring that drug products are consistently produced and controlled according to quality standards.

Options :

1. ✗ Good Clinical Practice
2. ✗ Good Laboratory Practice
3. ✓ Good Manufacturing Practice
4. ✗ Good Dispensing Practice

Question Number : 89 Question Id : 630680185731 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

The first WHO draft text on GMP was adopted in which year?

Options :

1. ✓ 1968
2. ✗ 1978
3. ✗ 1988
4. ✗ 2008

Question Number : 90 Question Id : 630680185732 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Below is an example for Class I residual solvent, which needs be avoided in the manufacturing and processing of herbal preparations.

Options :

1. ✗ Methanol
2. ✗ Hexane
3. ✗ Ethanol
4. ✓ Benzene

Question Number : 91 Question Id : 630680185733 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 2 Wrong Marks : 0.5

\_\_\_\_\_ markers are the constituents that contribute to therapeutic activities.

Options :

1. ✘ Analytical Markers
2. ✔ Active Markers
3. ✘ Negative markers
4. ✘ Phantom markers

Question Number : 92 Question Id : 630680185734 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 2 Wrong Marks : 0.5

The predominant flavanone type of flavonoid found in grapefruit is:

Options :

1. ✘ Apigenin
2. ✔ Naringenin
3. ✘ Quercetin
4. ✘ Genistein

Question Number : 93 Question Id : 630680185735 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 2 Wrong Marks : 0.5

The predominant flavanone type of flavonoid found in the citrus fruits is:

Options :

1. ✘ Apigenin
2. ✘ Catechin
3. ✔ Hesperidin
4. ✘ Genistein

Is Section Default? :

null

Question Number : 94 Question Id : 630680185736 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Correct Marks : 2 Wrong Marks : 0.5

Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements?

Statements:

- 1) Some climbers are plants.
- 2) All plants are trees.
- 3) Some climbers are strong.

Conclusions:

- I. Some plants are strong.
- II. Some trees are strong.
- III. No plant is strong.

Options :

1. ✘ Only conclusion I follows
2. ✘ Only conclusion II follows
3. ✔ Either conclusion II or III follows
4. ✘ Both conclusions I and II follow

Question Number : 95 Question Id : 630680185737 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements?

Statements:

- 1) Some cups are saucers.
- 2) No saucer is a pan.
- 3) All pans are mugs.

Conclusions:

- I. Some pans are cups.
- II. No cup is a pan.
- III. Some mugs are saucers.

Options :

1. ✘ Only conclusion I follows
2. ✘ Only conclusion III follows
3. ✘ Either conclusion II follows or conclusions I and III together follow
4. ✔ Either conclusion I or II follows, but III is uncertain

**Question Number : 96 Question Id : 630680185738 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0.5**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I use social media only if I am bored. I am not bored when I have my friend's company.

Conclusions:

- I. If I am bored, I seek my friend's company.
- II. I don't use social media when my friend is present.

Options :

1. ✘ Only conclusion I follows
2. ✔ Only conclusion II follows
3. ✘ Both conclusion I and II follow
4. ✘ Neither conclusion I nor II follows

**Question Number : 97 Question Id : 630680185739 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Wrong Marks : 0.5**

Three of the following four figures are alike in a certain way and one is different. Select the odd one.



Options :

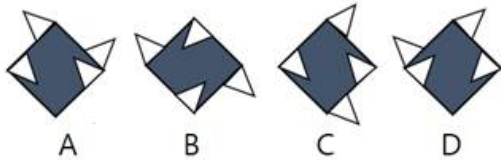
1. ✘ A
2. ✘ B
3. ✘ C

4. ✓ D

Question Number : 98 Question Id : 630680185740 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Three of the following four figures are alike in a certain way and one is different. Select the odd one.



Options :

1. ✗ D

2. ✗ C

3. ✓ B

4. ✗ A

Question Number : 99 Question Id : 630680185741 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements?

Statements:

1) All sparrows are pigeons.

2) Some sparrows are crows.

3) All crows are kites.

Conclusions:

I. All pigeons are kites.

II. Some kites are pigeons.

III. All sparrows are kites.

Options :

1. ✗ Only conclusion I follows

2. ✓ Only conclusion II follows

3. ✗ Only conclusion III follows

4. ✗ Either conclusion I or II follows

Question Number : 100 Question Id : 630680185742 Option Shuffling : Yes Is Question Mandatory : No Calculator : None  
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0.5

Which Letter-number cluster will replace the question mark (?) in the following alpha-numeric series to make it logically complete?

TG61, QJ56, NM52, KP49, ?

Options :

1. ✘ IR47
2. ✘ HS52
3. ✘ IR52
4. ✔ HS47

ThePharmapedia.com