

# Question Paper Preview

**Question Paper Name:** Pharmacy 2nd May 2019 S1  
**Subject Name:** Pharmacy  
**Duration:** 120  
**Share Answer Key With Delivery Engine:** Yes  
**Actual Answer Key:** Yes

**Display Number Panel:** Pharmacy  
**Group All Questions:** Yes  
No

**Question Number : 1 Question Id : 250107481 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

The bitter taste of saffron is due to the presence of:

Options :

1. Picrocrocin
2. Crocin
3. Crocetin
4. Carotene

**Question Number : 2 Question Id : 250107482 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Which of the following favours root formation in plant tissue cultures?

Options :

1. Zeatin
2. High cytokinin and low ethylene

High cytokinin and low auxin

3.

High auxin and low cytokinin

4.

Question Number : 3 Question Id : 250107483 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Vein islet numbers for Alexandrian senna is about 25.0-29.5 while that for Indian/Tinnevelly senna is \_\_\_\_\_.

Options :

22.5-25.5

1.

15.5-18.5

2.

19.0-22.5

3.

29.0-32.5

4.

Question Number : 4 Question Id : 250107484 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

In Raymond's test \_\_\_\_\_ colour due to presence of active methylene group.

Options :

blue

1.

deep red

2.

violet

3.

yellowish orange

4.

Question Number : 5 Question Id : 250107485 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The linters are the short hairs used in the manufacture of

Options :

1. clothes

2. paper

3. raw cotton

4. absorbent cotton

Question Number : 6 Question Id : 250107486 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The purified internal fat obtained from the abdomen of the hog *sus scrofa* is

Options :

1. Spermaceti

2. Lard

3. Suet

4. Musk

Question Number : 7 Question Id : 250107487 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Irritant purgative is

Options :

1. Isapgol seeds

2. Guar gum

3. Agar

4. Senna

Question Number : 8 Question Id : 250107488 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following largely remains constant with age for a species?

Options :

1. Palisade ratio

2. Stomatal number

3. Stomatal index

4. Vein islet number

Question Number : 9 Question Id : 250107489 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

\_\_\_\_\_ are main constituents of Balsams

Options :

1. acetic acid + benzoic acid

2. cinnamic acid + hydrochloric acid

3. benzoic acid + sulphuric acid

4. benzoic acid + cinnamic acid

Question Number : 10 Question Id : 250107490 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Idioblasts containing raphides of calcium oxalate are present in:

Options :

1. Ipecac

2. Digitalis

3. Clove

4. Kurchi

Question Number : 11 Question Id : 250107491 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

In plant tissue cultures, the root or shoot formation is governed by the ratio of

Options :

1. Auxin to cytokinin

2. Cytokinin to Adenine

3. Auxin to Abscisic acid

4. Ethylene to Abscisin II

Question Number : 12 Question Id : 250107492 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Gum Tragacanth is the dried gummy exudate obtained by incision from the stems and branches of \_\_\_\_\_.

Options :

1. *Acacia Arabica*

2. *Astragalus gummifer*

3. *Sterculia tragacantha*

*Anogeissus latifolia*

4.

Question Number : 13 Question Id : 250107493 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The proteolytic enzyme obtained from the extract of pancreas of Ox, *Bos Taurus* is

\_\_\_\_\_.

Options :

1. Rennin

1.

2. Diastase

2.

3. Chymotrypsin

3.

4. Pepsin

4.

Question Number : 14 Question Id : 250107494 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Unorganized marine crude drug that lacks gelling property is

Options :

1. Agar

1.

2. Carrageenan

2.

3. Sodium alginate

3.

4. Cod liver oil

4.

Question Number : 15 Question Id : 250107495 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Nicotine contains \_\_\_\_\_ and \_\_\_\_\_ heterocycles in its structure.

Options :

1. Pyridine, pyrrole

2. Piperidine, pyrrole

3. Piperidine, pyrrolidine

4. Pyridine, pyrrolidine

Question Number : 16 Question Id : 250107496 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The rose color of calamine is due to the presence of

Options :

1. Calcium oxide

2. Ferric oxide

3. Magnesium oxide

4. Lithium oxide

Question Number : 17 Question Id : 250107497 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

\_\_\_\_\_ is used to prepare the standard solution in the limit test for sulphate.

Options :

1. Sodium Chloride

2. Lead nitrate

3. Potassium sulphate

4. Copper sulphate

Question Number : 18 Question Id : 250107498 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Bupivacaine is administered through

Options :

1. Oral route

2. Parental route

3. Epidural space

4. Intramuscular route

Question Number : 19 Question Id : 250107499 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

4-choloro benzophenone is a starting material for

Options :

1. Mebendazole

2. Albendazole

3. Thiabendazole

4. Alprazolam

Question Number : 20 Question Id : 250107500 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Esterification of acetylsalicylic acid and paracetamol forms

Options :

1. Benorilate



2. Salicyamide

3. Phenacetin

4. Flufenisal

Question Number : 21 Question Id : 250107501 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which nitroimidazole derivative has Morphalino moiety?

Options :

1. Tinidazole

2. Ornidazole

3. Timorazole

4. Erythromycin

Question Number : 22 Question Id : 250107502 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which isomer of ampicillin is clinically more active than others?

Options :

1. D-(-)

2. L-(-)

3. D-(+)

4. L-(+)

Question Number : 23 Question Id : 250107503 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which one of the following is a centrally acting adrenergic agent useful as an anorexiant?

Options :

1. Fluoxetine
2. Sibutramine
3. Amphetamine
4. Fenfluramine

Question Number : 24 Question Id : 250107504 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

A drug which is synthesized starting from ethylene dichloride is

Options :

1. Isoniazid
2. Ethambutol
3. Ethionamide
4. p-aminosalicylic acid

Question Number : 25 Question Id : 250107505 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Barium chloride is used in the limit-test for

Options :

1. Chlorides

Iron

2.

Sulphates

3.

Arsenic

4.

Question Number : 26 Question Id : 250107506 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Bisacodyl is a

Options :

1. Emollient laxative

1.

2. Bulk forming laxative

2.

3. Stimulant laxative

3.

4. Osmotic laxative

4.

Question Number : 27 Question Id : 250107507 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

10,11-dihydro-5H-dibenzo[b,f]azepine ring is present in \_\_\_\_\_.

Options :

1. Trazodone

1.

2. Imipramine

2.

3. Maprotiline

3.

4. Spiperone

4.

Which of the following is the required feature for DNA gyrase binding of quinolones?

Options :

1.  $\text{-COOH}$  at C-3
2. Aliphatic substitution at N-1
3. Bulky saturated hetero cycle at C-7
4. Hetero atom at C-8

Amongst the barbiturates given below, which one has the shortest onset of action?

Options :

1. Mephobarbital
2. Pentobarbital
3. Methohexital
4. Phenobarbital

Which of the following statements regarding edrophonium is correct?

Options :

1. Causes irreversible inhibition of acetylcholinesterase by carbamoylation.
2. Causes reversible inhibition of acetylcholinesterase by phosphorylation.

Causes reversible inhibition of acetylcholinesterase by sulphonylation.

3.

Causes reversible inhibition of acetylcholinesterase by carbamoylation.

4.

Question Number : 31 Question Id : 250107511 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Sulphonamide group is present in thiazide diuretic at position

Options :

1. 3

2. 6

3. 7

4. 9

Question Number : 32 Question Id : 250107512 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

To prevent dental caries toothpaste containing \_\_\_\_\_ should be used.

Options :

1. Calcium fluoride

2. Stannous fluoride

3. Sodium fluoride

4. Calcium carbonate

Question Number : 33 Question Id : 250107513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Azepine ring containing type II diabetes sulfonyl urea derivative

Options :

1. Tolazamide
2. Tolbutamide
3. Chlorpropamide
4. Glibenclamide

Question Number : 34 Question Id : 250107514 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Basic ring present in valdecoxib is

Options :

1. Pyrazole
2. Furan
3. Isoxazole
4. Imidazole

Question Number : 35 Question Id : 250107515 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which one of the following drugs contain a substituted pyrrole nucleus with a dihydroxy heptanoic acid moiety attached to the nitrogen?

Options :

1. Lovastatin
2. Simvastatin
3. Atorvastatin

## Fluvastatin

4.

Question Number : 36 Question Id : 250107516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which one of the following anti-histaminic agents can be superimposed on the dextro isomer of chlorpheniramine?

Options :

1. Clemastine
2. Levocetirizine
3. Levo-carbinoxamine
4. Cyclizine

Question Number : 37 Question Id : 250107517 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which one of the following is used in 3D QSAR?

Options :

1. Hansch analysis
2. CoMFA
3. Free-Willison analysis
4. Craig Plots

Question Number : 38 Question Id : 250107518 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The drug acetazolamide chemically is

Options :

1. 5-acetamido-1,3,4-thiadiazole-2-sulphonamide

2. 3-acetamido-1,3,4-thiadiazole-2-sulphonamide

1-acetamido-1,2,4-thiadiazole-4-sulphonamide

3.

4-acetamido-1,3,5-thiadiazole-2-sulphonamide

4.

Question Number : 39 Question Id : 250107519 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Cortisone is \_\_\_\_\_.

Options :

1. dimethyl 2-methyl-4-(2-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate

1.

2. dimethyl 2,6-dimethyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate

2.

3. dimethyl 2-methyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate

3.

4. dimethyl 2,6-dimethyl-4-(2-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate

4.

Question Number : 40 Question Id : 250107520 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

\_\_\_\_\_ reacts with NaF and form gelatinous precipitate.

Options :

1.  $MgCl_2$

1.

2.  $AlCl_3$

2.

3.  $CaCl_2$

3.



KCl

4.

Question Number : 41 Question Id : 250107521 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Humectants added in cosmetic preparations generally act by

Options :

hydrogen bond formation

1.

covalent bond formation

2.

complex formation

3.

the action of London forces

4.

Question Number : 42 Question Id : 250107522 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which of the following isn't belonging to the crystallization theory?

Options :

Mier's theory

1.

Kosel theory

2.

Gibbs & Volmer theory

3.

DLVO theory

4.

Question Number : 43 Question Id : 250107523 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Agglomeration in aerosols can be reduced by including

Options :

Anionic surfactant with HLB greater than 10

1.

Cationic surfactant with HLB less than 10

2.

Non-ionic surfactant with HLB greater than 10

3.

Non-ionic surfactant with HLB less than 10

4.

Question Number : 44 Question Id : 250107524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Efficiency of HEPA filter was tested by which of the following?

Options :

Dioctyl phthalate

1.

Liquid paraffin

2.

Hydrocarban vapours

3.

Ammonium acetate

4.

Question Number : 45 Question Id : 250107525 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The process responsible for higher half-life of drug is \_\_\_\_\_.

Options :

Drug absorption

1.

Excretion

2.

3. Metabolism

4. Protein binding

Question Number : 46 Question Id : 250107526 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The property of scattering of light beam directed through a colloidal dispersions is known as

Options :

1. Tyndall effect

2. Hardy's effect

3. Dilling's effect

4. Strokes effect

Question Number : 47 Question Id : 250107527 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The irreversible breakdown of emulsion indicates which of the following?

Options :

1. Creaming

2. Cracking

3. Inversion

4. Sedimentation

Question Number : 48 Question Id : 250107528 Question Type : MCQ Option Shuffling : Yes Display Q  
Single Line Question Option : No Option Orientation : Vertical

Substances which are added to remove traces of heavy metals to prevent catalytic degradation in formulation is \_\_\_\_\_.

Options :

1. Sequestering agents
2. Propellants
3. Adsorbents
4. Catalysts

Question Number : 49 Question Id : 250107529 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The maximum percentage of disperse phase that an emulsion can hold without cracking is

Options :

1. 62%
2. 60%
3. 74%
4. 35%

Question Number : 50 Question Id : 250107530 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Surgical dressings are sterilized by which of the following methods?

Options :

1. Moist heat sterilization

2. Dry heat sterilization

3. Gaseous sterilization

4. Radiation sterilization

Question Number : 51 Question Id : 250107531 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which of the following is a model independent approach for comparing the dissolution profile?

Options :

1. First order rate constant

2. Hixson Crowell's equation

3. Similarity factor

4. Peppas equation

Question Number : 52 Question Id : 250107532 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The optimum moisture content for hard gelatin capsule shell is \_\_\_\_\_.

Options :

1. 5-8%

2. 12-15%

3. 15-20%

8-10%

4.

Question Number : 53 Question Id : 250107533 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The length of the line that bisects the particle image is known as

Options :

Feret diameter

1.

Martin diameter

2.

Projected area diameter

3.

Coulter diameter

4.

Question Number : 54 Question Id : 250107534 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Dissolution of gum acacia in water is an example of

Options :

Suspension

1.

Solution

2.

Lyophobic colloid

3.

Lyophilic colloid

4.

Question Number : 55 Question Id : 250107535 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Sodium metabisulphite is an example of

Options :

1. Chelating agent
2. Suspending agent
3. Antioxidant
4. Antimicrobial agent

Question Number : 56 Question Id : 250107536 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Cellulose nitrate is a

Options :

1. Film forming agent
2. Bleaching agent
3. Opacifying agent
4. Sunscreen agent

Question Number : 57 Question Id : 250107537 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Apparent volume of distribution for an instantaneously administered drug is the

Options :

1. sum of intracellular and extracellular volumes
2. total blood volume
3. ratio of drug dose to initial plasma drug level
4. ratio of body weight to body density

A drug gets completely renally eliminated. The patient has renal failure. This drug is hepatic-metabolized. What will happen to the drug?

Options :

1. Drug gets completely protein bound.
2. Drug gets completely eliminated renally.
3. Drug metabolite accumulates in blood.
4. Drug gets completely metabolized in liver

A colloidal system in which the colloidal particles show little attraction for the dispersion medium refers to which type of colloids?

Options :

1. Lyophilic
2. Lyophobic
3. Hydrophobic
4. Association

“Dye test” fails if an emulsion contains \_\_\_\_\_.

Options :

1. liquids



2. ionic emulsifiers

3. non ionic emulsifiers

4. impurities

Question Number : 61 Question Id : 250107541 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The tablet crushing strength is denoted by \_\_\_\_\_ of the tablet.

Options :

1. thickness

2. hardness

3. friability

4. disintegration

Question Number : 62 Question Id : 250107542 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The Content uniformity of tablets is used to ensure \_\_\_\_\_.

Options :

1. bioequivalence

2. dissolution

3. potency

4. purity

Question Number : 63 Question Id : 250107543 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The valves acceptance criteria for metered aerosol valve delivery are \_\_\_\_\_.

Options :

1. 54  $\mu$ l or less, the limits are  $\pm 5\%$
2. 54  $\mu$ l or less, the limits are  $\pm 10\%$
3. 54  $\mu$ l or less, the limits are  $\pm 15\%$
4. 54  $\mu$ l or less, the limits are  $\pm 20\%$

Question Number : 64 Question Id : 250107544 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Rotoweigh is an automatic capsule weighing machine. It operates by detecting

Options :

1. reflected energy of low power X-ray beam
2. capacitance variation
3. optical rotation
4. refractive index

Question Number : 65 Question Id : 250107545 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The volume of distribution of a drug administered through i.v. bolus at a dose of 100 mg and exhibiting 10 microgram/mL instantaneous concentration in plasma shall be

Options :

1. 0.1 L
2. 1.0 L

3. 10 L

4. 100 L

Question Number : 66 Question Id : 250107546 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Force displacement curves are used to determine which one of the following?

Options :

1. Tablet hardness

2. Efficiency of tableting process

3. Diluent efficiency

4. Lubricant efficiency

Question Number : 67 Question Id : 250107547 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

According to law of mass action, the rate of chemical reaction is proportional to the

Options :

1. product of molar concentration of all reactants

2. product of molar concentration of all components

3. product of molar concentration of all chemicals

4. product of molar concentration of all reagents

Question Number : 68 Question Id : 250107548 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which of the following agent prevents oxidation by blocking fre

Options :

1. Ascorbic acid
2. Tocopherol
3. EDTA
4. Sodium citrate

Question Number : 69 Question Id : 250107549 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Hepatic first-pass effect cannot be avoided by administering the drug \_\_\_\_\_.

Options :

1. sublingually
2. intramuscularly
3. perorally
4. subcutaneously

Question Number : 70 Question Id : 250107550 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Selenium sulphide is used in the treatment of \_\_\_\_\_.

Options :

1. Dandruff
2. Toothache
3. Acne

## Rashes

4.

Question Number : 71 Question Id : 250107551 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The minimum age for registration of pharmacists under Pharmacy Act is \_\_\_\_\_ yrs.

Options :

19

1.

18

2.

21

3.

24

4.

Question Number : 72 Question Id : 250107552 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

In a bonded laboratory construction every window has which of the following specifications?

Options :

1. Malleable steel rod, NLT 1.7 cm thick and NMT 10 cm apart

1.

2. Malleable iron rods, NLT 1.8 cm Thick and NMT 8 cm apart

2.

3. Malleable iron rods, NLT 1.9 cm Thick and NMT 10 cm apart

3.

4. Malleable copper rods, NLT 1.9 cm Thick and NMT 10 cm apart

4.

Question Number : 73 Question Id : 250107553 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which of the following Schedule refers to the list of drugs to be marketed under generic names?

Options :

1. Schedule C

2. Schedule G

3. Schedule H

4. Schedule W

Question Number : 74 Question Id : 250107554 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Standards for mechanical contraceptives is laid down in schedule \_\_\_\_\_.

Options :

1. M

2. S

3. Y

4. R

Question Number : 75 Question Id : 250107555 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which of the following Intellectual Property Right is non renewable?

Options :

1. Trade mark

2. Geographical Indication

3. Patent

## Layout design for Integrated Circuits

4.

Question Number : 76 Question Id : 250107556 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which of the following antitussive is present in opium but has no analgesic or addicting properties?

Options :

1. Noscapine
2. Codeine
3. Pholcodeine
4. Ethylmorphine

Question Number : 77 Question Id : 250107557 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

An immunologically mediated reaction to a drug producing stereotyped symptoms unrelated to its pharmacodynamic actions is

Options :

1. hypersensitivity
2. supersensitivity
3. intolerance
4. idiosyncrasy

Question Number : 78 Question Id : 250107558 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

An example of functional antagonism is \_\_\_\_\_.

Options :

1. Acetylcholine and Physostigmine

2. Sulfonamide and trimethoprim

3. Adrenaline and Histamine

4. Levodopa and Carbidopa

Question Number : 79 Question Id : 250107559 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Transport of Acetyl choline into synaptic vesicle is blocked by \_\_\_\_\_.

Options :

1. Vesamicol

2. Hemicholinium

3. Atropine

4. Nicotine

Question Number : 80 Question Id : 250107560 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

What are the drugs that regulate blood glucose levels only by improving glucose uptake and utilization by the tissues?

Options :

1. Sulphonylureas

2. Biguanides

3. Glitazones



## DPP-IV inhibitors

4.

Question Number : 81 Question Id : 250107561 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Estrogenized rat uterus is the sensitive preparation for the bioassay of

Options :

1. Insulin

2.

3. Histamine

4.

5. Adrenaline

6.

7. Oxytocin

8.

Question Number : 82 Question Id : 250107562 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Pyridostigmine differs from neostigmine in that

Options :

1. It is more potent orally.

2.

3. It is long acting.

4.

5. It produces less muscarinic side effects.

6.

7. It does not have any direct action on  $N_M$  receptors.

8.

Question Number : 83 Question Id : 250107563 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Practically all antineoplastic drugs can produce the following toxic effects except \_\_\_\_.

Options :

1. Depression of leucocyte count

2.

2. Mucositis

3. Cardiomyopathy

4. Oligozoospermia

Question Number : 84 Question Id : 250107564 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Nigrostriatal dopamenergic neurons are damaged in which disease?

Options :

1. Alzheimers

2. Parkinsons

3. Anxiety

4. Depression

Question Number : 85 Question Id : 250107565 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which of the following drug is a well reported CYP3A4 inducer?

Options :

1. Rifampicin

2. Cyclosporine

3. Ketoconazole

4. Azithromycin

The most prominent and dose related side effect of salbutamol is

Options :

1. rise in blood pressure
2. muscle tremor
3. hyperglycaemia
4. central nervous system stimulation

Question Number : 87 Question Id : 250107567 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Marked redistribution is a feature of:

Options :

1. highly lipid soluble drugs
2. poorly lipid soluble drugs
3. depot preparations
4. highly plasma protein bound drugs

Question Number : 88 Question Id : 250107568 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Cholinergic receptor at gastric glands are

Options :

1.  $M_2$

M<sub>3</sub>

2.

M<sub>1</sub>

3.

M<sub>4</sub>

4.

Question Number : 89 Question Id : 250107569 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

PPAR-gama agonist

Options :

Metformin

1.

Tolbutamide

2.

Acarbose

3.

Rosiglitazone

4.

Question Number : 90 Question Id : 250107570 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The GABA gated chloride ion channels are opened by

Options :

Morphine

1.

Phenytoin

2.

Phenobarbital

3.

## Dopamine

4.

Question Number : 91 Question Id : 250107571 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which one of the following binds to the bile acids in the GIT and prevents their absorption?

Options :

1. Gemfibrozil

1.

2. Fluvastatin

2.

3. Cholestyramine

3.

4. Nicotinic acid

4.

Question Number : 92 Question Id : 250107572 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which one of the following is a selective  $\alpha$ -2 adrenoceptor antagonist?

Options :

1. Prazosin

1.

2. Phentolamine

2.

3. Yohimbine

3.

4. Clonidine

4.

Question Number : 93 Question Id : 250107573 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The duration of action of insulin-zinc suspension(lente insulin) is

Options :

1. 2–4 hours
2. 8–10 hours
3. 20–24 hours
4. 30–36 hours

Question Number : 94 Question Id : 250107574 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Sulfasalazine is used in the treatment of

Options :

1. Peptic ulcers
2. Helicobacter Pylori infections
3. GIT spasm as spasmolytic
4. Inflammatory bowel disease

Question Number : 95 Question Id : 250107575 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

How gemcitabine produces anticancer effects?

Options :

1. by DNA alkylation
2. by Topoisomerase inhibition
3. as Anti-metabolite effects and interfering pyrimidine pathway

by DNA polymerase inhibition

4.

Question Number : 96 Question Id : 250107576 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The electrode used in conductivity cell is

Options :

1. dropping mercury electrode

2. platinum electrode

3. glass electrode

4. calomel electrode

Question Number : 97 Question Id : 250107577 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Which of the following ions CAN NOT be determined quantitatively by gravimetric analysis?

(i)  $\text{Ag}^+$

(ii)  $\text{K}^+$

(iii)  $\text{NO}_3^-$

Options :

1. (i) only

2. (ii) only

3. (i) and (iii) only

4. (ii) and (iii) only

Question Number : 98 Question Id : 250107578 Question Type : MCQ Option Shuffling : Yes Display Q  
Single Line Question Option : No Option Orientation : Vertical

Navigation icons: back, forward, search, etc.

Which among the following is not a self-indicator?

Options :

Potassium permanganate

1.

Iodine

2.

Cerric sulfate

3.

Bromine

4.

Question Number : 99 Question Id : 250107579 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Indicator used for complexometric titration is \_\_\_\_\_.

Options :

Solochrome black

1.

EDTA

2.

Phenolphthalein

3.

Methylene red

4.

Question Number : 100 Question Id : 250107580 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Methyl orange changes color within \_\_\_\_\_ pH range.

Options :

3.2-4.5

1.

4.5-6.5

2.



6.5-8.0

3.

8.5-12.5

4.

Question Number : 101 Question Id : 250107581 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Amphiprotic solvents are \_\_\_\_\_

Options :

aprotic and protophilic

1.

protophilic and protogenic

2.

protogenic and aprotic

3.

protophilic, protogenic and aprotic

4.

Question Number : 102 Question Id : 250107582 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Nernst equation is used in \_\_\_\_\_.

Options :

polarography

1.

potentiometry

2.

conductometry

3.

amperometry

4.

Question Number : 103 Question Id : 250107583 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Diazotization titration can be carried out for the compounds containing \_\_\_\_\_.

Options :

1. Aliphatic primary amine
2. Alicyclic primary amine
3. Aromatic primary amine
4. Tertiary amine

Question Number : 104 Question Id : 250107584 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The capillary constant in Ilkovic equation is given by

Options :

1.  $m^{2/3} \cdot t^{1/6}$
2.  $m^{1/2} \cdot d^{2/3}$
3.  $m^{1/3} \cdot t^{2/3}$
4.  $m^{1/4} \cdot d^{1/5}$

Question Number : 105 Question Id : 250107585 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Crystal violet in non-aqueous titration shows the \_\_\_\_\_ colour change in acidic medium.

Options :

1. Violet
2. Orange

3. Yellowish green

4. Pink

Question Number : 106 Question Id : 250107586 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Absorption of radiation in the UV range attributable to  $n \rightarrow \pi^*$  electronic transitions is characteristic of which of the following types of compounds?

Options :

1. Aromatic hydrocarbons

2. Non conjugated polyenes

3. Unsaturated carbonyl compounds

4. Conjugated polyenes

Question Number : 107 Question Id : 250107587 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Carrier gases used in Gas Chromatography are

Options :

1. H, He, N<sub>2</sub>

2. O<sub>2</sub>, CO<sub>2</sub>, N<sub>2</sub>

3. He, CO, NO<sub>2</sub>

4. NO, CO<sub>2</sub>, H

Question Number : 108 Question Id : 250107588 Question Type : MCQ Option Shuffling : Yes Display C  
Single Line Question Option : No Option Orientation : Vertical

Which of the following is used as a bulk property detector in HPLC?

Options :

1. UV-visible detector

1.

2. Diode array detector

2.

3. Refractive Index detector

3.

4. Fluorescence detector

4.

Question Number : 109 Question Id : 250107589 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The gas that has highest thermal conductivity value is

Options :

1. Helium

1.

2. Hydrogen

2.

3. Argon

3.

4. Nitrogen

4.

Question Number : 110 Question Id : 250107590 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Photomultiplier tube cannot be used in IR as IR radiation is of

Options :

1. high energy

1.

2. less energy

2.

high frequency

3.

lower wavelength

4.

Question Number : 111 Question Id : 250107591 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Isobestic point is

Options :

the wavelength at which total absorbance of a mixture of compounds does not change.

1.

the signal which helps in location of pure compound

2.

the temperature at which optimal absorbance is observed

3.

the optimal wavelength for photochemical reactions.

4.

Question Number : 112 Question Id : 250107592 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

In the Van Deemter equation,  $HETP = A + \frac{B}{u} + (C_s + C_m) \cdot u$ , A is

Options :

Eddy diffusion term

1.

linear velocity

2.

longitudinal diffusion term

3.

resistance to mass transfer coefficient

4.

Question Number : 113 Question Id : 250107593 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Attenuated Total Reflectance technique is a part of \_\_\_\_\_.

Options :

UV spectroscopy

1.

NMR spectroscopy

2.

IR spectroscopy

3.

Voltametry

4.

Question Number : 114 Question Id : 250107594 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

The major cause of tailing and memory effect in the adsorption chromatography is

Options :

dipole interaction

1.

desorption

2.

differential difference

3.

insufficient deactivation of the silica or alumina surface of the column

4.

Question Number : 115 Question Id : 250107595 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

In quantitative TLC radioactive material can be studied by

Options :

1. visual comparison
2. densitometer
3. gravimetry
4. Geiger counter

Question Number : 116 Question Id : 250107596 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

A metabolite M was isolated from the cerebrospinal fluid. After excitation at 280 nm, the material fluoresced at 360 nm. The stroke shift for the assay will be \_\_\_\_\_.

Options :

1. -80 nm
2. 640 nm
3. 320 nm
4. 80 nm

Question Number : 117 Question Id : 250107597 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

\_\_\_\_\_ gm of  $\text{KMnO}_4$  is dissolved in 1000 ml of water to obtain 0.1N  $\text{KMnO}_4$  solution.

Options :

1. 0.3106

2. 3.106

3. 31.06

4. 310.6

Question Number : 118 Question Id : 250107598 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

\_\_\_\_\_ is used for identification of outliers and rejection of data.

Options :

1. Student F-test

2. Standard deviation

3. Q-test

4. Relative average deviation

Question Number : 119 Question Id : 250107599 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Calibration is an effective remedy to reduce \_\_\_\_\_ error.

Options :

1. Method

2. Instrument

3. Personal

4. Indeterminate



The source of light in a fluorimeter is \_\_\_\_\_.

Options :

1. tungsten lamp
2. mercury vapour lamp
3. carbon arc
4. hydrogen discharge lamp