

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 22nd Sept 2020 Shift 1
Subject Name :	Pharmacy
Creation Date :	2020-09-22 16:03:46
Duration :	120
Total Marks :	120
Display Marks:	No
Share Answer Key With Delivery Engine :	Yes
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

Pharmacy

Group Number :	1
Group Id :	88039688
Group Maximum Duration :	0

Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	120
Is this Group for Examiner? :	No

Pharmacy

Section Id :	880396161
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	120
Number of Questions to be attempted :	120
Section Marks :	120
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	880396161
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 88039610441 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following is an example for drug adulteration by substituting original drug with artificially manufactured drug?

Options :

88039641761. ✖ Indian senna with Arabian senna

88039641762. ✖ Bees wax with Japan wax

88039641763. ✔ Chicory with coffee

88039641764. ✖ Nuxvomica with coffee seeds

Question Number : 2 Question Id : 88039610442 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following tissue culture technique is called as asexual hybridization?

Options :

88039641765. ✖ Callus culture

88039641766. ✖ Direct somatic embryogenesis

88039641767. ✔ Protoplast fusion

88039641768. ✖ Clonal propagation

Question Number : 3 Question Id : 88039610443 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The following test is useful for identification of cocaine

Options :

Gives emerald green colour with bromine water and dilute ammonia solution

88039641769. ✖

Gives violet colour with dilute HCl, copper sulphate and sodium hydroxide

88039641770. ✖

Gives bright green color with sulphuric acid and sodium molybdate

88039641771. ✖

Gives characteristic smell of methyl benzoate on heating with sulphuric acid

88039641772. ✔

Question Number : 4 Question Id : 88039610444 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Cymbopogon citrates is the biological source of

Options :

88039641773. ✖ Caraway

88039641774. ✔ Lemon grass oil

88039641775. ✖ Henna

88039641776. ✖ Amla

Question Number : 5 Question Id : 88039610445 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Isodiametric lignified sclerifieds and prisms of calcium oxalate crystals are found in

_____.

Options :

88039641777. ✓ clove stalks

88039641778. ✗ anthophylli

88039641779. ✗ blown cloves

88039641780. ✗ exhausted cloves

Question Number : 6 Question Id : 88039610446 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Method employed for detection of aflatoxins according to WHO guidelines for

standardization of herbal drugs is _____.

Options :

88039641781. ✗ Gas Chromatography

88039641782. ✗ Mass Spectrometry

88039641783. ✗ Electrophoresis

Thin Layer Chromatography

88039641784. ✓

Question Number : 7 Question Id : 88039610447 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Papain and opium can be grouped as _____.

Options :

88039641785. ✗ resins

88039641786. ✗ dried juice

88039641787. ✗ dried extract

88039641788. ✓ dried latex

Question Number : 8 Question Id : 88039610448 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Match the constituents given below with respective volatile oils.

- | | |
|----------------------|-------------------|
| A) (+) – Limonene | 1) Peppermint oil |
| B) 1, 8- cineole | 2) Turpentine oil |
| C) α - pinene | 3) Eucalyptus oil |
| D) (-) menthol | 4) Lemon oil |
| E) (+) menthol | |

Options :

88039641789. ✓ D-1; C-2; B-3; A-4

88039641790. ✗ B-1; A-2; C-3; E-4

88039641791. ✗ A-1; E-2; B-3; D-4

88039641792. ✗ D-1; C-2; E-3; B-4

Question Number : 9 Question Id : 88039610449 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Biological source of cassia cinnamon is _____.

Options :

88039641793. ✗ dried inner bark of *Cinnamomum zeylanicum*

88039641794. ✖ dried stem bark of *Cinnamomum zeylanicum*

88039641795. ✖ dried inner bark of *Cinnamomum cassia blume*

88039641796. ✔ dried stem bark of *Cinnamomum cassia blume*

Question Number : 10 Question Id : 88039610450 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Drangendroff's reagent does not give a positive test with _____.

Options :

88039641797. ✖ morphine

88039641798. ✖ codeine

88039641799. ✖ emetine

88039641800. ✔ caffeine

Question Number : 11 Question Id : 88039610451 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Identify the false statement relating to senna

Options :

Senna is obtained from dried leaflets of *Cassia angustifolia vahl* belonging to family Leguminosae.

88039641801. ✖

Senna is a small herb of 1.5 m, having compound paripinnate leaves and each leaf has got 3-5-7 pairs of leaflets

88039641802. ✔

Leaves of senna are lanceolate, entire, apex is acute with spine.

88039641803. ✖

Rubiaceous or paracytic stomata are present on epidermal surfaces.

88039641804. ✖

Question Number : 12 Question Id : 88039610452 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Isoquinoline ring system is present in which of the following opium alkaloids?

Options :

88039641805. ✖ Morphine

88039641806. ✖ Codeine

88039641807. ✖ Thebaine

88039641808. ✔ Papaverine

Question Number : 13 Question Id : 88039610453 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Ellipsoidal schizolysigenous oil glands are important diagnostic characters of _____.

Options :

88039641809. ✘ ergot

88039641810. ✘ ginseng

88039641811. ✘ cinnamon

88039641812. ✔ clove

Question Number : 14 Question Id : 88039610454 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which is the right test for the cardio active glycosides of Foxglove leaf?

Options :

88039641813. ✘ Murexide

88039641814. ✘ Liebermann - Burchard

88039641815. ✘ 2,4-dinitro-phenylhydrazine

88039641816. ✔ Keller-Kiliani

Question Number : 15 Question Id : 88039610455 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Surgical cotton is obtained from _____ of Gossypium species

Options :

88039641817. ✖ exudates of seeds

88039641818. ✖ exudate of stem

88039641819. ✔ trichomes of seeds

88039641820. ✖ sclerenchyma

Question Number : 16 Question Id : 88039610456 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Majority of the flavonoids contain _____ chromone ring structure.

Options :

88039641821. ✖ 5-phenyl- α -

88039641822. ✖ 2-phenyl- β -

88039641823. ✔ 2-phenyl- γ -

88039641824. ✖ 5-phenyl- β -

Question Number : 17 Question Id : 88039610457 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following compounds does not obey special isoprene rule?

Options :

88039641825. ✖ Limonene

88039641826. ✖ Carvone

88039641827. ✔ Carotenoids

88039641828. ✖ Dipentene

Question Number : 18 Question Id : 88039610458 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

N-terminal polypeptides and proteins are determined by _____ reactions.

Options :

88039641829. ✖ Ninhydrine

88039641830. ✖ Biuret

88039641831. ✖ Hoffmann

88039641832. ✔ Sangers

Question Number : 19 Question Id : 88039610459 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The number of chiral centres in menthol is _____.

Options :

88039641833. ✓ Three

88039641834. ✗ Two

88039641835. ✗ Four

88039641836. ✗ One

Question Number : 20 Question Id : 88039610460 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Bacopa monnieri plant containing saponin glycosides belongs to the family

Options :

88039641837. ✓ Scrophulariaceae

88039641838. ✗ Leguminosae

88039641839. ✗ Polygalaceae

88039641840. ✗ Rubiaceae

Question Number : 21 Question Id : 88039610461 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

3,3-Dimethyl allyl pyrophosphate is an intermediate in the biosynthesis of

Options :

88039641841. ✖ Alkaloids

88039641842. ✖ Glycosides

88039641843. ✖ Triglycerides

88039641844. ✔ Isoprenoids

Question Number : 22 Question Id : 88039610462 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

_____ test is positive for cinchona.

Options :

88039641845. ✔ Thalloquin

88039641846. ✖ Molisch's

88039641847. ✖ Baljet

88039641848. ✖ Van-Urk's

Question Number : 23 Question Id : 88039610463 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following comes under bifunctional symmetrical methane sulphonate?

Options :

88039641849. ✖ Thiotepe

88039641850. ✔ Busulphan

88039641851. ✖ Mustard gas

88039641852. ✖ Thioguanine

Question Number : 24 Question Id : 88039610464 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Erythromycin belongs to _____ class of antibiotic.

Options :

88039641853. ✖ β -lactam

88039641854. ✖ Aminoglycoside

88039641855. ✔ Macrolide

88039641856. ✖ Peptide

Question Number : 25 Question Id : 88039610465 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following reactions show Walden inversion?

Options :

88039641857. ✖ S_N1

88039641858. ✔ S_N2

88039641859. ✖ E_1

88039641860. ✖ E_2

Question Number : 26 Question Id : 88039610466 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Glutathione acts as _____ during a conjugation reaction.

Options :

88039641861. ✖ Electrophile

88039641862. ✔ Nucleophile

88039641863. ✖ Enzyme

88039641864. ✖ Inhibitor

Question Number : 27 Question Id : 88039610467 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Aromatic hydroxylation reactions are _____ dependent.

Options :

88039641865. ✓ NADH

88039641866. ✗ GTP

88039641867. ✗ NAD⁺

88039641868. ✗ ATP

Question Number : 28 Question Id : 88039610468 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

_____ is used as systemic alkalizer.

Options :

88039641869. ✗ Sodium chloride

88039641870. ✓ Sodium bicarbonate

88039641871. ✗ Sodium sulphate

88039641872. ✗ Sodium acetate

Question Number : 29 Question Id : 88039610469 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Cardiac glycosides have _____ configuration in the aglycone part of steroidal nucleus.

Options :

88039641873. ✖ $5\alpha, 14\beta$

88039641874. ✖ $5\beta, 14\alpha$

88039641875. ✔ $5\beta, 14\beta$

88039641876. ✖ $5\alpha, 14\alpha$

Question Number : 30 Question Id : 88039610470 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Clonidine hydrochloride, an α 2-agonist contains which type of ring system in its structure?

Options :

88039641877. ✔ Imidazoline

88039641878. ✖ Quinoline

88039641879. ✖ Pyrazole

88039641880. ✖ Indole

Question Number : 31 Question Id : 88039610471 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Choose the correct statement relating to barbiturates

Options :

Attachment of large alkyl groups to the nitrogen in barbiturates imparts

88039641881. ✘ anticonvulsant properties

Attachment of alkyl substitutes to both N¹ and N³ renders barbiturates

88039641882. ✘ more acidic and more active

Attachment of large alkyl groups to the nitrogen in barbiturates imparts

88039641883. ✔ convulsant properties

The lipid solubility of barbiturates is decreased on replacement of C²

88039641884. ✘ oxygen with sulphur

Question Number : 32 Question Id : 88039610472 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

A phenyl ring 'C' at position 5 in benzodiazepines _____

Options :

88039641885. ✘ results in loss of activity

88039641886. ✔ promotes activity

88039641887. ✖ with electron withdrawing group at para position results in increase in activity

88039641888. ✖ will not alter the activity/potency

Question Number : 33 Question Id : 88039610473 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The active metabolite of metronidazole is _____.

Options :

88039641889. ✖ amine derivative

88039641890. ✖ sulphate conjugate

88039641891. ✔ hydroxylamine derivative

88039641892. ✖ amide derivative

Question Number : 34 Question Id : 88039610474 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Choose the correct pair of anti HIV drug with its mechanism of action

Options :

88039641893. ✖ Lamivudine-HIV protease inhibitor

88039641894. ✔ Nevirapine-Non-nucleoside reverse transcriptase inhibitor

88039641895. ✖ Amantadine-Nucleoside reverse transcriptase inhibitor

88039641896. ✖ Acyclovir-pyrimidine analogue

Question Number : 35 Question Id : 88039610475 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which is the starting material used in the synthesis of propranolol

Options :

88039641897. ✖ 2-naphthol and epichlorhydrine

88039641898. ✔ 1-naphthol and epichlorhydrine

88039641899. ✖ 4-(2-methoxy ethyl) phenol and epichlorhydrine

88039641900. ✖ 2-naphthol and isopropylamine

Question Number : 36 Question Id : 88039610476 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Diclofenac is derivative of _____.

Options :

88039641901. ✓ anthranilic acid

88039641902. ✗ indole

88039641903. ✗ propionic acid

88039641904. ✗ thiazole

Question Number : 37 Question Id : 88039610477 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Vanillylmandelic acid is the principle urinary metabolite of _____ drug.

Options :

88039641905. ✗ Dopamine

88039641906. ✓ Norepinephrine

88039641907. ✗ Serotonin

88039641908. ✗ Acetylcholine

Question Number : 38 Question Id : 88039610478 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Identify the incorrect statement relating to oxacillin.

Options :

88039641909. ✖ It is a semi-synthetic penicillin.

88039641910. ✔ It bears a substituted isothiazole ring in the side chain.

88039641911. ✖ It has good acid-resistance.

88039641912. ✖ It is more resistant to beta-lactamase than benzyl penicillin.

Question Number : 39 Question Id : 88039610479 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following antimalarial is 8-hydroxyquinoline derivative?

Options :

88039641913. ✖ Mefloquine

88039641914. ✔ Primaquine

88039641915. ✖ Pyrimethamine

88039641916. ✖ Amodiaquine

Question Number : 40 Question Id : 88039610480 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following drugs is nitrogen mustard?

Options :

88039641917. ✓ Chlorambucil

88039641918. ✗ Cytarabine

88039641919. ✗ Azathioprine

88039641920. ✗ Amodiaquine

Question Number : 41 Question Id : 88039610481 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following does NOT impart desensitizing properties to dental products?

Options :

88039641921. ✗ Zinc chloride

88039641922. ✗ Strontium chloride

88039641923. ✗ Potassium nitrate

88039641924. ✓ Potassium chloride

Question Number : 42 Question Id : 88039610482 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

_____ reagent combination is employed in limit test for iron.

Options :

88039641925. ✗ Thioglycollic acid/sodium carbonate

88039641926. ✗ Citric acid/Potassium citrate

88039641927. ✓ Thioglycollic acid/ammonia solution

88039641928. ✗ Citric acid/Ammonium chloride

Question Number : 43 Question Id : 88039610483 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Fluconazole is

Options :

88039641929. ✓ 2-(2,4-difluorophenyl)-1,3-di(1H-imidazol-1-yl)propan-2-ol

88039641930. ✗ 2-(4-fluorophenyl)-1,3-di(1H-imidazol-1-yl)propan-2-ol

88039641931. ✖ 2-(2,4-difluorophenyl)-1,3-di(1H-pyrazol-1-yl)propan-2-ol

88039641932. ✖ 2-(4-fluorophenyl)-1,3-di(1H-pyrazol-1-yl)propan-2-ol

Question Number : 44 Question Id : 88039610484 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Aluminium hydroxide gel is made from

Options :

88039641933. ✖ Aluminium Chloride

88039641934. ✖ Aluminium Sulfate

88039641935. ✔ Potash alum

88039641936. ✖ Aluminium nitrate

Question Number : 45 Question Id : 88039610485 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

_____ is an insulin gated glucose transporter.

Options :

88039641937. ✖ GLUT1

88039641938. ✖ GLUT2

88039641939. ✖ GLUT3

88039641940. ✔ GLUT4

Question Number : 46 Question Id : 88039610486 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The product obtained by replacing N-methyl group of morphine with an allyl group is

_____.

Options :

88039641941. ✖ Naloxone

88039641942. ✖ Naltrexone

88039641943. ✖ Nalbuphine

88039641944. ✔ Nalorphine

Question Number : 47 Question Id : 88039610487 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Paracetamol is the bioactive metabolite of

Options :

88039641945. ✖ aspirin

88039641946. ✓ acetanilide

88039641947. ✗ amphetamine

88039641948. ✗ prontosil

Question Number : 48 Question Id : 88039610488 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Zidovudine is the functional bioisoster of

Options :

88039641949. ✓ Thiamine

88039641950. ✗ Pentanoic acid

88039641951. ✗ Riboflavin

88039641952. ✗ Vitamin A

Question Number : 49 Question Id : 88039610489 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the percent drug ionized in stomach with pH 2.5 for an acidic drug whose pK_a is 1.5?

Options :

88039641953. ✓ 90.9%

88039641954. ✖ 50%

88039641955. ✖ 9.1%

88039641956. ✖ 99%

Question Number : 50 Question Id : 88039610490 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Find the wrong match as per Griffin scale.

Options :

88039641957. ✖ HLB value 1-3: anti-foaming agents

88039641958. ✖ HLB value 7-9: wetting agents

88039641959. ✔ HLB value 3-8: o/w emulsifying agents

88039641960. ✖ HLB value 16-18: solubilizing agents

Question Number : 51 Question Id : 88039610491 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Find the concentration of sodium chloride required to render a 1.5% w/v solution of cocaine

HCl isosmotic with blood plasma (Freezing point of 1% w/v solution of cocaine

HCl = -0.09°C ; Freezing point of 1% w/v solution of sodium chloride = -0.576°C)

Options :

88039641961. ✖ 0.585% w/v

88039641962. ✖ 0.385% w/v

88039641963. ✔ 0.668% w/v

88039641964. ✖ 0.746% w/v

Question Number : 52 Question Id : 88039610492 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The general equation for the average particle size mean diameter is given by

Options :

88039641965. ✖ BET equation

88039641966. ✖ Kozeny-Carmen equation

88039641967. ✔ Edmundson equation

88039641968. ✖ Vanthoff's equation

Question Number : 53 Question Id : 88039610493 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following statement is true regarding adaptive immunity?

Options :

88039641969. ✓ Prior exposure to antigen is essential.

88039641970. ✗ Prior exposure to antigen is not essential.

88039641971. ✗ It is a non-specific defensive mechanism.

88039641972. ✗ Macrophages are the major cells involved.

Question Number : 54 Question Id : 88039610494 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Highly preferred biological indicator for moist heat sterilization is _____.

Options :

88039641973. ✗ Bacillus subtilis

88039641974. ✓ Bacillus stearothermophilus

88039641975. ✗ Bacillus pumilus

88039641976. ✗ Pseudomonas telephor

Question Number : 55 Question Id : 88039610495 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Medium used for cultivation of monoclonal antibodies is _____.

Options :

88039641977. ✘ Hypoxanthine amino acid thymidine
88039641978. ✘ Hypoxanthine amine thymidine
88039641979. ✘ Hypoxanthine aminopterin thioline
88039641980. ✔ Hypoxanthine aminopterin thymidine

Question Number : 56 Question Id : 88039610496 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A vaccine that activates both cell-mediated and humoral immunity would most likely be

Options :

88039641981. ✘ Heat killed
88039641982. ✔ Live, attenuated
88039641983. ✘ A toxoid
88039641984. ✘ Short lived immunity

Question Number : 57 Question Id : 88039610497 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Monoclonal antibodies recognize a single _____.

Options :

88039641985. ✘ Antigen

88039641986. ✘ Bacterium

88039641987. ✔ Epitope

88039641988. ✘ B-cell

Question Number : 58 Question Id : 88039610498 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cyclosporine A, an immunosuppressive drug given for avoiding transplant rejection act by _____.

Options :

88039641989. ✘ inhibition of B cells

88039641990. ✔ inhibition of T cells

88039641991. ✘ suppression of entire immune system

88039641992. ✘ inhibition of complement system

Question Number : 59 Question Id : 88039610499 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What are the lower and upper control limits for a weight variation test for a tablet weighing 290 mg as per Indian Pharmacopoeia?

Options :

88039641993. ✖ 268.25 mg to 311.75 mg

88039641994. ✔ 275.5 mg to 304.5 mg

88039641995. ✖ 261 mg to 319 mg

88039641996. ✖ 280 mg to 300 mg

Question Number : 60 Question Id : 88039610500 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Identify the wrong match of USP dissolution rate test apparatus

Options :

88039641997. ✖ Type-2 is a Paddle model

88039641998. ✖ Type-3 is a Reciprocating cylinder model

88039641999. ✔ Type-4 is a Cylinder model

88039642000. ✖ Type-1 is a Basket model

Question Number : 61 Question Id : 88039610501 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

At what temperature water for injection is to be stored if it is more than 24 hours?

(Normally it is better to use within 24 hours)

Options :

88039642001. ✖ Room temperature

88039642002. ✖ 4°C

88039642003. ✔ 80°C

88039642004. ✖ 37°C

Question Number : 62 Question Id : 88039610502 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the friability limit for the compressed tablets as per Indian Pharmacopoeia?

Options :

88039642005. ✖ 0.5%

88039642006. ✖ Less than 1.0%

88039642007. ✔ Not greater than 1.0%

88039642008. ✖ 0.5% - 1.0%

Question Number : 63 Question Id : 88039610503 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The dip tube in aerosol container is made up of

Options :

88039642009. ✖ Glass

88039642010. ✖ Stainless steel

88039642011. ✖ Aluminium

88039642012. ✔ Polypropylene

Question Number : 64 Question Id : 88039610504 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The strength of methylene blue used in leakage test for evaluation of parenterals is

Options :

88039642013. ✔ 0.5-1%

88039642014. ✖ 0.5-0.75%

88039642015. ✖ 0.25-0.5%

88039642016. ✖ 0.75-1%

Question Number : 65 Question Id : 88039610505 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following is used in baby powders for water repellency and oil absorbency?

Options :

88039642017. ✖ Zinc oxide

88039642018. ✖ Talc

88039642019. ✔ Lithium stearate

88039642020. ✖ Colloidal kaolin

Question Number : 66 Question Id : 88039610506 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

All the statements regarding first order reaction are true, except

Options :

88039642021. ✖ Rate is dependent on concentration

88039642022. ✔ Half life is changing parameter

88039642023. ✖ T_{90} % is independent of concentration

88039642024. ✖ Logarithm of concentration vs. time yields a straight line

Question Number : 67 Question Id : 88039610507 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following forces contribute to stability of charge transfer complexes?

Options :

88039642025. ✔ Dipole-dipole interactions and London dispersion forces

88039642026. ✖ Resonance forces

88039642027. ✖ Resonance and London dispersion forces

88039642028. ✖ Resonance forces and dipole-dipole interactions

Question Number : 68 Question Id : 88039610508 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What volume of 95% v/v alcohol is to be diluted for preparing 500 mL of 20% v/v alcohol?

Options :

88039642029. ✖ 100 mL

88039642030. ✖ 120 mL

88039642031. ✔ 105 mL

88039642032. ✖ 110 mL

Question Number : 69 Question Id : 88039610509 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which one of the below statements is not related to Wagner-Nelson method?

Options :

88039642033. ✖ Absorption rate constant can be estimated

88039642034. ✖ Plot can be drawn between log % ARA vs time

88039642035. ✖ The absorption process need not be assumed as either zero or first order

88039642036. ✔ Assumption of order of kinetics is compulsory to use this method

Question Number : 70 Question Id : 88039610510 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Estimate the creatinine clearance (mL/min) of 30 years old, 70 kg man with serum creatinine value of 2 mg %?

Options :

88039642037. ✖ 54.5

88039642038. ✓ 53.5

88039642039. ✗ 55.5

88039642040. ✗ 52.5

Question Number : 71 Question Id : 88039610511 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

For drugs administered by intravenous bolus route the volume of distribution is given by

Options :

88039642041. ✗ X_o/AUC

88039642042. ✗ AUC/X_o

88039642043. ✓ $X_o/K_E * AUC$

88039642044. ✗ $K_E * AUC/X_o$

Question Number : 72 Question Id : 88039610512 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the slope of a plot between $1/DR$ versus $1/C_{ss}$ (Lineweaver Burk Plot)?

Options :

88039642045. ✗ $1/V_{max}$

88039642046. ✖ $1/K_m$

88039642047. ✔ K_m/V_{max}

88039642048. ✖ V_{max}/K_m

Question Number : 73 Question Id : 88039610513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the half life of a drug with a volume of distribution of 100 Litres/70kg and a clearance of 7 Litres/hr/70kg

Options :

88039642049. ✖ 5 hours

88039642050. ✔ 10 hours

88039642051. ✖ 12.5 hours

88039642052. ✖ 15 hours

Question Number : 74 Question Id : 88039610514 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The drug that is valuable in treating preeclampsia and eclampsia during pregnancy is

_____.

Options :

88039642053. ✗ Clopidrogel

88039642054. ✓ Spirin

88039642055. ✗ Dipyridamole

88039642056. ✗ Abciximab

Question Number : 75 Question Id : 88039610515 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Malignant hyperthermia triggered by general anesthesia can be treated and prevented

by _____.

Options :

88039642057. ✓ dantrolene

88039642058. ✗ atropine

88039642059. ✗ carbachol

88039642060. ✗ darifenacin

Question Number : 76 Question Id : 88039610516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Churg strauss syndrome is one of the side effects of _____.

Options :

88039642061. ✘ beclomethasone

88039642062. ✘ omalizumab

88039642063. ✘ cromoglicate

88039642064. ✔ montelukast

Question Number : 77 Question Id : 88039610517 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following antileprotic drug is a dye?

Options :

88039642065. ✘ Dapsone

88039642066. ✘ Rifampicin

88039642067. ✘ Minocycline

88039642068. ✓ Clofazimine

Question Number : 78 Question Id : 88039610518 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pentavalent antimonial compounds are used in the treatment of _____.

Options :

88039642069. ✗ Giardiasis

88039642070. ✓ Leishmaniasis

88039642071. ✗ Trichomoniasis

88039642072. ✗ Infectious mononucleosis

Question Number : 79 Question Id : 88039610519 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Loop diuretics block the _____.

Options :

88039642073. ✓ $\text{Na}^+/\text{K}^+/\text{2Cl}^-$ symporter in the loop of Henle

88039642074. ✗ Ca^{+2} symporter in proximal tubule

88039642075. ✖ Carbonic anhydrase enzyme

88039642076. ✖ Acetyl esterase

Question Number : 80 Question Id : 88039610520 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Identify the WRONG match of receptor and its inhibitor

Options :

88039642077. ✖ PDE-1 receptor : Vinpocetine

88039642078. ✖ PDE-3 receptor : Cilostazol

88039642079. ✔ PDE-4 receptor : Papaverine

88039642080. ✖ PDE-5 receptor : Sildenafil

Question Number : 81 Question Id : 88039610521 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The Antihypertensive action of thiazide diuretics is attributed to which of the two factors (i) Closing of calcium ion channels; (ii) Stimulation of adenylcyclase; (iii) Depletion of sodium ions; (iv) Decrease in peripheral resistance

Options :

88039642081. ✗ i, ii

88039642082. ✗ ii, iii

88039642083. ✗ i, iii

88039642084. ✓ iii, iv

Question Number : 82 Question Id : 88039610522 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The coronary vasodilatory effect of nicorandil is due to (i) Potassium channel activation; (ii) Release of nitric oxide; (iii) Inhibition of PDE-3; (iv) Inhibition of adenosine metabolism

Options :

88039642085. ✓ i, ii

88039642086. ✗ ii, iii

88039642087. ✗ iii, iv

88039642088. ✗ i, iv

Question Number : 83 Question Id : 88039610523 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following is not necessary in the analogue based drug design?

Options :

88039642089. ✗ Structure of active ligands

88039642090. ✓ Target protein structure

88039642091. ✗ Pharmacophore

88039642092. ✗ Bioactivity information

Question Number : 84 Question Id : 88039610524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Morris water maze test is used to screen _____.

Options :

88039642093. ✗ hepatoprotectives

88039642094. ✓ nootropics

88039642095. ✗ antidiabetics

88039642096. ✗ analgesics

Question Number : 85 Question Id : 88039610525 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is not true with respect to highly protein bound drug?

Options :

- 88039642097. ✗ Long duration of action
- 88039642098. ✗ Decreased elimination
- 88039642099. ✗ Low volume of distribution
- 88039642100. ✓ Low blood concentration

Question Number : 86 Question Id : 88039610526 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The following is an intermediate acting insulin preparation that consists of a mixture of Semi lente (3 parts) and an ultra lente (7 parts) in an acetate buffer.

Options :

- 88039642101. ✗ Can Insulin
- 88039642102. ✗ Isophane Insulin
- 88039642103. ✓ Lente Insulin
- 88039642104. ✗ Regular Insulin

Question Number : 87 Question Id : 88039610527 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

During the drug therapy, grape juice is not recommended because it _____.

Options :

88039642105. ✓ inhibits drug metabolizing enzymes CYP 3A4

88039642106. ✗ inducts drug metabolizing enzymes CYP 3A4

88039642107. ✗ promotes absorption of drugs

88039642108. ✗ prevents absorption of drugs

Question Number : 88 Question Id : 88039610528 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

A phenazine derivative used against dapsone resistant *M. leprae* is _____.

Options :

88039642109. ✗ ethionamide

88039642110. ✗ ofloxacin

88039642111. ✓ clofazimine

88039642112. ✗ minocycline

Question Number : 89 Question Id : 88039610529 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Muscarinic receptors are located in _____.

Options :

88039642113. ✗ autonomic ganglia

88039642114. ✗ skeletal muscle neuromuscular junctions

88039642115. ✓ autonomic effector cells

88039642116. ✗ sensory carotid sinus baroreceptor zone

Question Number : 90 Question Id : 88039610530 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following neuromuscular blockers causes tachycardia?

Options :

88039642117. ✗ Tubocurarine

88039642118. ✗ Atracurium

88039642119. ✓ Pancuronium

88039642120. ✗ Succinylcholine

Question Number : 91 Question Id : 88039610531 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following agents block the chloride channel directly?

Options :

88039642121. ✘ Secobarbital

88039642122. ✘ Flumazenil

88039642123. ✘ Zaleplon

88039642124. ✔ Picrotoxin

Question Number : 92 Question Id : 88039610532 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following vitamins reduces the beneficial effects of levodopa by enhancing its extra cerebral metabolism?

Options :

88039642125. ✔ Pyridoxine

88039642126. ✘ Thiamine

88039642127. ✘ Tocopherol

88039642128. ✖ Riboflavin

Question Number : 93 Question Id : 88039610533 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Parenteral administration of Vitamin B₁₂ is required to treat _____.

Options :

88039642129. ✖ Aplastic anemia

88039642130. ✖ Megaloblastic anemia

88039642131. ✔ Pernicious anemia

88039642132. ✖ Hemolytic anemia

Question Number : 94 Question Id : 88039610534 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Mercuric chloride paper produce _____ colour in limit test for arsenic.

Options :

88039642133. ✖ green

88039642134. ✔ yellow

88039642135. ✖ red

88039642136. ✖ violet

Question Number : 95 Question Id : 88039610535 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

1M KMnO_4 solution is equal to _____.

Options :

88039642137. ✖ 1N KMnO_4 solution

88039642138. ✖ 2N KMnO_4 solution

88039642139. ✔ 5N KMnO_4 solution

88039642140. ✖ 0.2N KMnO_4 solution

Question Number : 96 Question Id : 88039610536 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Ehrlich's reagent is chemically _____.

Options :

88039642141. ✖ 1,5-Diphenyl thiocarbazon

88039642142. ✔ p-dimethyl amino benzaldehyde

88039642143. ✖ N-(1-naphthyl) ethylene- diamine

88039642144. ✖ Iron II

Question Number : 97 Question Id : 88039610537 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Karl Fischer titration method is _____ titration.

Options :

88039642145. ✖ Potentiometric

88039642146. ✖ Conductometric

88039642147. ✖ Complexometric

88039642148. ✔ Amperometric

Question Number : 98 Question Id : 88039610538 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following element is most easily detected by flame photometry?

Options :

88039642149. ✖ Lithium

88039642150. ✖ Calcium

88039642151. ✓ Sodium

88039642152. ✗ Beryllium

Question Number : 99 Question Id : 88039610539 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The fraction of free atoms that are thermally excited in flame photometry is given by

_____.

Options :

88039642153. ✓ Boltzmann distribution

88039642154. ✗ Beer's law

88039642155. ✗ Ikovic equation

88039642156. ✗ Wave theory

Question Number : 100 Question Id : 88039610540 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In an IR spectrum, which of the following functional groups show absorption at 3300 and 1020 cm^{-1} ?

Options :

88039642157. ✗ C=C

88039642158. ✓ -OH

88039642159. ✗ C-O

88039642160. ✗ Aromatic ring

Question Number : 101 Question Id : 88039610541 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

_____ is used as the reference compound for the calibration of FTIR spectrometer.

Options :

88039642161. ✓ Polystyrene

88039642162. ✗ Potassium bromide

88039642163. ✗ Nujol

88039642164. ✗ Potassium dichromate

Question Number : 102 Question Id : 88039610542 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The rate and extent of mass loss of a sample, monitored under controlled temperature programme is observed in which of the following techniques?

Options :

88039642165. ✗ Differential thermal analysis
88039642166. ✗ Differential scanning calorimetry
88039642167. ✓ Thermo gravimetric analysis
88039642168. ✗ Gravimetry

Question Number : 103 Question Id : 88039610543 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

In mass spectra M^{+1} and M^{+2} peaks are due to _____.

Options :

88039642169. ✗ Mass to charge ratio
88039642170. ✗ Impurities
88039642171. ✓ Isotope abundances
88039642172. ✗ Higher atomic weights

Question Number : 104 Question Id : 88039610544 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Position of H^1 NMR signals depends on _____.

Options :

88039642173. ✖ Frequency of radio source

88039642174. ✖ Strength of applied magnetic field

88039642175. ✔ Magnetic field which a particular proton feel

88039642176. ✖ Geometric & molecular structure of test sample

Question Number : 105 Question Id : 88039610545 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Diphenyl benzidine is used as an indicator in _____ titrations.

Options :

88039642177. ✖ Non aqueous

88039642178. ✔ Redox

88039642179. ✖ Complexometric

88039642180. ✖ Acid-base

Question Number : 106 Question Id : 88039610546 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

$\lambda_{\max}$ of benzaldehyde is 250 nm. What is $\lambda_{\max}$ of p-hydroxy benzaldehyde?

Options :

88039642181. ✗ 253 nm

88039642182. ✓ 275 nm

88039642183. ✗ 265 nm

88039642184. ✗ 270 nm

Question Number : 107 Question Id : 88039610547 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is precision?

Options :

88039642185. ✓ Degree of agreement between the repetitions of data

88039642186. ✗ Degree of agreement with the true value

88039642187. ✗ Degree of refinement of data

88039642188. ✗ Degree of robustness of data

Question Number : 108 Question Id : 88039610548 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following compounds does not contain non-bonding electrons?

Options :

88039642189. ✖ Alcohol

88039642190. ✖ Amine

88039642191. ✖ Sulphone

88039642192. ✔ Benzene

Question Number : 109 Question Id : 88039610549 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Conductance value is highest for _____ ion.

Options :

88039642193. ✖ OH^-

88039642194. ✖ Cl^-

88039642195. ✖ Na^+

88039642196. ✓ H^+

Question Number : 110 Question Id : 88039610550 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

In which type of titration pure metal is used as primary standard?

Options :

88039642197. ✗ Acid-base

88039642198. ✓ Complexometric

88039642199. ✗ Oxidation-reduction

88039642200. ✗ Precipitation

Question Number : 111 Question Id : 88039610551 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following is not a masking agent?

Options :

88039642201. ✗ Triethanolamine

88039642202. ✗ Potassium iodide

88039642203. ✓ Chloral hydrate

88039642204. ✗ Ammonium fluoride

Question Number : 112 Question Id : 88039610552 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the reason for using cyclohexane as a solvent in UV spectroscopic analysis?

Options :

88039642205. ✓ Energy requirement for $\sigma\text{-}\sigma^*$ is in the range of 120-200 nm.

88039642206. ✗ It has ring structure.

88039642207. ✗ It is volatile.

88039642208. ✗ It is immiscible with water.

Question Number : 113 Question Id : 88039610553 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The characteristic emission line at 589 nm in flame emission spectroscopy indicates the presence of _____ in the test sample.

Options :

88039642209. ✓ sodium

88039642210. ✖ lithium

88039642211. ✖ calcium

88039642212. ✖ zinc

Question Number : 114 Question Id : 88039610554 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Group C=C strongly absorbs IR radiations of wave number in the range of _____ cm^{-1} .

Options :

88039642213. ✖ 2700-3000

88039642214. ✖ 2100-2250

88039642215. ✔ 1620-1670

88039642216. ✖ 750-1100

Question Number : 115 Question Id : 88039610555 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Grant's plots are associated with _____.

Options :

88039642217. ✖ Conductometry

88039642218. ✔ Potentiometry

88039642219. ✖ Complexometry

88039642220. ✖ Acidimetry

Question Number : 116 Question Id : 88039610556 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

All acids on treatment with a strong basic solvent tend to become indistinguishable in strength. This effect is called as _____ effect.

Options :

88039642221. ✖ spin

88039642222. ✔ leveling

88039642223. ✖ chelating

88039642224. ✖ shielding

Question Number : 117 Question Id : 88039610557 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The most intense peak in mass spectrometry is

Options :

88039642225. ✖ broad peak

88039642226. ✔ base peak

88039642227. ✖ solid peak

88039642228. ✖ dark peak

Question Number : 118 Question Id : 88039610558 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

One of the following is not considered as Narcotic drug/Psychotropic substance.

Options :

88039642229. ✔ Crude mixtures containing 0.01% cocaine

88039642230. ✖ Crude mixtures containing 0.5% morphine

88039642231. ✖ Lysergic acid diethyl amide

88039642232. ✖ Crude mixtures containing 0.3% morphine

Question Number : 119 Question Id : 88039610559 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

License for retail sale of drugs specified in schedule C&C1 is issued in _____.

Options :

88039642233. ✖ Form 20BB

88039642234. ✖ Form 20F

88039642235. ✔ Form 21

88039642236. ✖ Form 24

Question Number : 120 Question Id : 88039610560 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Schedule T confirms the GMP for _____.

Options :

88039642237. ✔ Ayurvedic, Siddha and Unani medicines

88039642238. ✖ Homeopathic drugs

88039642239. ✖ Allopathic drugs

88039642240. ✖ Cosmetics