

# 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.

<b>Question Paper Name :</b>	Pharmacy 22nd Sept 2020 Shift 1
<b>Subject Name :</b>	Pharmacy
<b>Creation Date :</b>	2020-09-22 16:03:46
<b>Duration :</b>	120
<b>Total Marks :</b>	120
<b>Display Marks:</b>	No
<b>Share Answer Key With Delivery Engine :</b>	Yes
<b>Actual Answer Key :</b>	Yes
<b>Calculator :</b>	None
<b>Magnifying Glass Required? :</b>	No
<b>Ruler Required? :</b>	No
<b>Eraser Required? :</b>	No
<b>Scratch Pad Required? :</b>	No
<b>Rough Sketch/Notepad Required? :</b>	No
<b>Protractor Required? :</b>	No
<b>Show Watermark on Console? :</b>	Yes
<b>Highlighter :</b>	No
<b>Auto Save on Console? :</b>	Yes

## Pharmacy

<b>Group Number :</b>	1
<b>Group Id :</b>	88039688
<b>Group Maximum Duration :</b>	0

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

## Pharmacy

<b>Section Id :</b>	880396161
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	120
<b>Number of Questions to be attempted :</b>	120
<b>Section Marks :</b>	120
<b>Display Number Panel :</b>	Yes
<b>Group All Questions :</b>	Yes
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	880396161
<b>Question Shuffling Allowed :</b>	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 scleriedes 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)  $\alpha$ - 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- $\alpha$ -

88039641822. ✘ 2-phenyl- $\beta$ -

88039641823. ✔ 2-phenyl- $\gamma$ -

88039641824. ✘ 5-phenyl- $\beta$ -

**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. ✘ Thiotepa

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. ✘  $\beta$ -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<sup>+</sup>

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  $\alpha$  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 N<sup>1</sup> and N<sup>3</sup> 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 C<sup>2</sup>

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 =  $-0.09^{\circ}\text{C}$ ; Freezing point of 1% w/v solution of sodium chloride =  $-0.576^{\circ}\text{C}$ )

**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. ✗  $X_0/AUC$

88039642042. ✗  $AUC/X_0$

88039642043. ✓  $X_0/K_E * AUC$

88039642044. ✗  $K_E * AUC/X_0$

**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. ✗  $\text{Ca}^{+2}$  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 adenylyclase; (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 B<sub>12</sub> 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  $\text{KMnO}_4$  solution is equal to \_\_\_\_\_.

**Options :**

88039642137. ✘ 1N  $\text{KMnO}_4$  solution

88039642138. ✘ 2N  $\text{KMnO}_4$  solution

88039642139. ✔ 5N  $\text{KMnO}_4$  solution

88039642140. ✘ 0.2N  $\text{KMnO}_4$  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  $1020\text{ cm}^{-1}$ ?

**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. ✘  $\text{OH}^-$

88039642194. ✘  $\text{Cl}^-$

88039642195. ✘  $\text{Na}^+$

88039642196. ✓ H<sup>+</sup>

**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  $\sigma$ - $\sigma^*$  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 \_\_\_\_\_  $\text{cm}^{-1}$ .

**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