

GPAT 28th Jan 2020 S2

Application No.	200210000193
Candidate Name	SACHIN RAJENDRA JADHAV
Roll No.	MR0402100053
Test Date	28/01/2020
Test Time	2:30 PM - 5:30 PM
Subject	GPAT2020

Section : Other Subjects

Q.1 Relative sweetness of sucrose, to saccharin :

- Options
- 1 : 200
 - 1 : 500
 - 1 : 100
 - 1 : 400

Question Type : **MCQ**

Question ID : **4050363043**

Option 1 ID : **40503611059**

Option 2 ID : **40503611060**

Option 3 ID : **40503611058**

Option 4 ID : **40503611061**

Status : **Answered**

Chosen Option : **3**

Q.2 Following statement is more accurate with respect to limitations of Arrhenius relationship for stability prediction :

- Options
1. Order of degradation will alter at higher temperature
 2. Equal moisture concentrations will be mentioned at different temperatures
 3. Less relative humidity and oxygen solubility at higher temperature
 4. Same degradation mechanisms may predominate at different temperatures

Question Type : **MCQ**

Question ID : **4050363035**

Option 1 ID : **40503611029**

Option 2 ID : **40503611028**

Option 3 ID : **40503611026**

Option 4 ID : **40503611027**

Status : **Answered**

Chosen Option : **1**

Q.3 Lakes of Dyes available commercially contain maximum upto _____ of pure dye.

- Options
1. 15%
 2. 10%
 3. 25%
 4. 50%

Question Type : **MCQ**
Question ID : **4050363037**
Option 1 ID : **40503611035**
Option 2 ID : **40503611037**
Option 3 ID : **40503611034**
Option 4 ID : **40503611036**
Status : **Answered**
Chosen Option : 1

Q.4 Type II glass containers are :

- Options
1. Suitable for alkaline solutions
 2. Most inert glasses and shows high hydrolytic resistance
 3. Suitable for most acidic and neutral aqueous preparations
 4. Suitable for non-aqueous preparations

Question Type : **MCQ**
Question ID : **4050363036**
Option 1 ID : **40503611032**
Option 2 ID : **40503611030**
Option 3 ID : **40503611031**
Option 4 ID : **40503611033**
Status : **Answered**
Chosen Option : 2

Q.5 Dimethyl sulfoxide acts as penetration enhancer for topical formulations by :

- Options
1. Increasing solubility
 2. Denaturing proteins
 3. Increasing transepidermal loss
 4. Altering solvent nature of membrane

Question Type : **MCQ**
Question ID : **4050363045**
Option 1 ID : **40503611068**
Option 2 ID : **40503611066**
Option 3 ID : **40503611069**
Option 4 ID : **40503611067**
Status : **Answered**
Chosen Option : 2

Q.6 As per European Pharmacopoeia technical guide, substance stored at 25°C for 24 hours at 80% RH, called very hygroscopic when increase in weight is :

- Options**
1. $\geq 0.2\% \text{ w/w}$ and $< 15\% \text{ w/w}$
 2. $\geq 0.2\% \text{ w/w}$ and $< 20\% \text{ w/w}$
 3. $\geq 15\% \text{ w/w}$
 4. $\geq 0.2\% \text{ w/w}$ and $< 2\% \text{ w/w}$

Question Type : **MCQ**

Question ID : **4050363039**

Option 1 ID : **40503611042**

Option 2 ID : **40503611043**

Option 3 ID : **40503611045**

Option 4 ID : **40503611044**

Status : **Answered**

Chosen Option : **4**

Q.7 SCHICK Test Toxin is a sterile Filterate from a culture of :

- Options**
1. *Rickettsia prowazeki*
 2. *Mycobacterium Diphtheriae*
 3. *Coryne bacterium Diphtheriae*
 4. *Actinobacillus mallei*

Question Type : **MCQ**

Question ID : **4050363042**

Option 1 ID : **40503611057**

Option 2 ID : **40503611054**

Option 3 ID : **40503611056**

Option 4 ID : **40503611055**

Status : **Answered**

Chosen Option : **3**

Q.8 Violin gut is obtained from intestine of :

- Options
1. Horse
 2. Cat
 3. Sheep
 4. Camel

Question Type : **MCQ**
Question ID : **4050363040**
Option 1 ID : **40503611046**
Option 2 ID : **40503611048**
Option 3 ID : **40503611047**
Option 4 ID : **40503611049**
Status : **Answered**
Chosen Option : **2**

Q.9 An excipient Ludipress used for liquid Dosage form is a coprocessed excipient of :

- Options
1. Dextrose monohydrate + Kollidon 30
 2. Lactose monohydrate + Kollidon 30
 3. Lactose monohydrate + Kollidon 30 + Kollidon CL
 4. Dextrose monohydrate + Kollidon 30 + Kollidon CL

Question Type : **MCQ**
Question ID : **4050363038**
Option 1 ID : **40503611041**
Option 2 ID : **40503611039**
Option 3 ID : **40503611038**
Option 4 ID : **40503611040**
Status : **Answered**
Chosen Option : **2**

Q.10 Pyrogens present in containers can be destroyed by heating the containers at :

- Options
1. 121°C for 15 mins
 2. 121°C for 30 mins
 3. 210°C for 4 h
 4. 210°C for 1 h

Question Type : **MCQ**
Question ID : **4050363044**
Option 1 ID : **40503611062**
Option 2 ID : **40503611063**
Option 3 ID : **40503611065**
Option 4 ID : **40503611064**
Status : **Answered**
Chosen Option : **3**

Q.11 In capsule making the Bloom strength of gelatin is proportional to molecular weight of the gelatin and is a measure of the;

Options 1. Cohesive strength of the solvent molecules

2.

Cohesive strength of the crosslinking that occurs between gelatin molecules

3. Adhesive strength of gelatin with dipping pins

4. Adhesive strength of gelatin with other polymer

Question Type : **MCQ**

Question ID : **4050363041**

Option 1 ID : **40503611053**

Option 2 ID : **40503611052**

Option 3 ID : **40503611051**

Option 4 ID : **40503611050**

Status : **Answered**

Chosen Option : **2**

Section : Pharmaceutical Chemistry

Q.1 Choose the wrong statement from the following with regard to Amorphous solids :

Options 1. Usually they are anisotropic

2. They tend to flow when subjected to sufficient pressure

3. Considered as super cooled fluids

4. They do not have definite melting point

Question Type : **MCQ**

Question ID : **4050363074**

Option 1 ID : **40503611184**

Option 2 ID : **40503611182**

Option 3 ID : **40503611185**

Option 4 ID : **40503611183**

Status : **Answered**

Chosen Option : **3**

Q.2 The 'Crenulation' effect on the cell wall is caused by _____ solutions and this effect is _____.

Options

1. Hypertonic; reversible
2. Hypotonic; reversible
3. Hypotonic; irreversible
4. Hypertonic; irreversible

Question Type : **MCQ**

Question ID : **4050363065**

Option 1 ID : **40503611146**

Option 2 ID : **40503611148**

Option 3 ID : **40503611149**

Option 4 ID : **40503611147**

Status : **Answered**

Chosen Option : **1**

Q.3 The unequal attractive forces acting on the molecules at the surface of liquid gas interface when compared with molecular forces in the bulk of the liquid is due to :

Options

1. Absence of adhesive force of attraction
2. Less adhesive force of attraction
3. Absence of cohesive force of attraction
4. Less cohesive force of attraction

Question Type : **MCQ**

Question ID : **4050363058**

Option 1 ID : **40503611120**

Option 2 ID : **40503611118**

Option 3 ID : **40503611121**

Option 4 ID : **40503611119**

Status : **Answered**

Chosen Option : **3**

Q.4 Following is the important sterol in faeces formed from cholesterol by bacteria in lower intestine :

- Options**
1. 7- α -Hydroxy cholesterol
 2. Coprostanol
 3. 7-Dehydrocholesterol
 4. Lithocholic acid

Question Type : **MCQ**

Question ID : **4050363082**

Option 1 ID : **40503611215**

Option 2 ID : **40503611216**

Option 3 ID : **40503611214**

Option 4 ID : **40503611217**

Status : **Answered**

Chosen Option : **4**

Q.5 According to distribution law, select the appropriate expression for the concentration of a solute when it exist as monomer in solvent A and dimer in solvent B

(Assume C_A = concentration of solute in solvent A

C_B = concentration of solute in solvent B

α = degree of dissociation)

Options

1. $K = \frac{C_A}{2 \times \sqrt{C_B}}$

2. $K = \frac{C_A}{C_B(1 - \alpha)}$

3. $K = \frac{C_A}{C_B(2 - \alpha)}$

4. $K = \frac{C_A}{\sqrt{C_B}}$

Question Type : **MCQ**

Question ID : **4050363073**

Option 1 ID : **40503611178**

Option 2 ID : **40503611180**

Option 3 ID : **40503611181**

Option 4 ID : **40503611179**

Status : **Not Answered**

Chosen Option : **--**

Q.6 The drug concentration between Minimum effective concentration (MEC) and maximum safe concentration (MSC) is called :

- Options**
1. Toxic range
 2. Therapeutic index
 3. Therapeutic ratio
 4. Therapeutic range

Question Type : **MCQ**
Question ID : **4050363052**
Option 1 ID : **40503611096**
Option 2 ID : **40503611094**
Option 3 ID : **40503611097**
Option 4 ID : **40503611095**
Status : **Answered**
Chosen Option : **4**

Q.7 Production of Acetyl methyl carbinol can be detected by which of the following test ?

- Options**
1. Voges-proskaver test
 2. Indole test
 3. Citrate utilization test
 4. Methyl red test

Question Type : **MCQ**
Question ID : **4050363070**
Option 1 ID : **40503611167**
Option 2 ID : **40503611169**
Option 3 ID : **40503611166**
Option 4 ID : **40503611168**
Status : **Not Answered**
Chosen Option : **--**

Q.8 The temperature dependence and the theory of viscosity is expressed by the following :

- Options**
1. Stern-Volmer equation
 2. Arrhenius equation of chemical kinetics
 3. Higuchi equation
 4. Gibb's equation

Question Type : **MCQ**
Question ID : **4050363059**
Option 1 ID : **40503611124**
Option 2 ID : **40503611122**
Option 3 ID : **40503611125**
Option 4 ID : **40503611123**
Status : **Answered**
Chosen Option : **3**

Q.9 Which of the following is not a fundamental (primary) factor considered for selection of a location for the construction of pharmaceutical or chemical plant ?

- Options**
1. Soil
 2. Market for products
 3. Labor supply
 4. Raw materials

Question Type : **MCQ**
Question ID : **4050363048**
Option 1 ID : **40503611081**
Option 2 ID : **40503611079**
Option 3 ID : **40503611080**
Option 4 ID : **40503611078**
Status : **Answered**
Chosen Option : 1

Q.10 The following gram positive bacteria species is positive for the coagulase test (a test for the ability of bacteria to cause blood plasma to clot).

- Options**
1. *S. epidermidis*
 2. *S. aureus*
 3. *S. saprophyticus*
 4. *S. lactis*

Question Type : **MCQ**
Question ID : **4050363072**
Option 1 ID : **40503611175**
Option 2 ID : **40503611174**
Option 3 ID : **40503611176**
Option 4 ID : **40503611177**
Status : **Not Answered**
Chosen Option : --

Q.11 The version of GMP in India that describe requirement of factory premises for manufacture of cosmetics :

- Options**
1. Schedule-M
 2. Schedule-M-III
 3. Schedule-M-II
 4. Schedule M-I

Question Type : **MCQ**

Question ID : **4050363049**

Option 1 ID : **40503611085**

Option 2 ID : **40503611084**

Option 3 ID : **40503611083**

Option 4 ID : **40503611082**

Status : **Answered**

Chosen Option : **3**

Q.12 This fungus is also known as opportunistic pathogen, often isolated from warm-blooded animals.

- Options**
1. *Aspergillus niger*
 2. *Penicillium notatum*
 3. *Penicillium chrysogenum*
 4. *Candida albicans*

Question Type : **MCQ**

Question ID : **4050363071**

Option 1 ID : **40503611172**

Option 2 ID : **40503611170**

Option 3 ID : **40503611171**

Option 4 ID : **40503611173**

Status : **Answered**

Chosen Option : **4**

Q.13 Which of the following will result in very closest value to the Glomerular Filtration Rate (GFR) ?

- Options**
1. **Insulin Clearance**
 2. **Albumin Clearance**
 3. **Measure of Blood Urea Nitrogen (BUN)**
 4. **Creatinine Clearance**

Question Type : **MCQ**

Question ID : **4050363055**

Option 1 ID : **40503611107**

Option 2 ID : **40503611108**

Option 3 ID : **40503611109**

Option 4 ID : **40503611106**

Status : **Answered**

Chosen Option : **1**

Q.14 While studying solid state physicochemical properties, the packing property of drug include :

- Options**
1. **Heat capacity**
 2. **Solubility**
 3. **Refractive index**
 4. **Entropy**

Question Type : **MCQ**

Question ID : **4050363050**

Option 1 ID : **40503611088**

Option 2 ID : **40503611086**

Option 3 ID : **40503611089**

Option 4 ID : **40503611087**

Status : **Answered**

Chosen Option : **1**

Q.15 The Acidic polymers of Ribitol/Glycerol phosphate present in Gram positive microorganism are known as :

- Options**
1. Polysaccharides
 2. Teichoic acids
 3. Peptidoglycans
 4. Lysozymes

Question Type : **MCQ**
Question ID : **4050363069**
Option 1 ID : **40503611163**
Option 2 ID : **40503611162**
Option 3 ID : **40503611165**
Option 4 ID : **40503611164**
Status : **Answered**
Chosen Option : **2**

Q.16 Increasing the proportion of the disperse phase of an emulsion by more than 60% may lead to :

- Options**
1. Cracking
 2. Frothing
 3. Phase inversion
 4. Creaming

Question Type : **MCQ**
Question ID : **4050363067**
Option 1 ID : **40503611154**
Option 2 ID : **40503611157**
Option 3 ID : **40503611155**
Option 4 ID : **40503611156**
Status : **Answered**
Chosen Option : **3**

Q.17 The second law of thermodynamics states that 'whenever a spontaneous process takes place, it is accompanied by an increase in the total energy of the universe.' The equation that satisfies the above law is :

- Options**
1. $\Delta S_{\text{universe}} = S_{\text{system}} + \Delta S_{\text{surrounding}}$
 2. $S_{\text{system}} = \Delta S_{\text{universe}} + \Delta S_{\text{surrounding}}$
 3. $\Delta S_{\text{universe}} = S_{\text{surrounding}} - \Delta S_{\text{system}}$
 4. $\Delta S_{\text{universe}} = S_{\text{system}} - \Delta S_{\text{surrounding}}$

Question Type : **MCQ**

Question ID : **4050363075**

Option 1 ID : **40503611189**

Option 2 ID : **40503611188**

Option 3 ID : **40503611187**

Option 4 ID : **40503611186**

Status : **Answered**

Chosen Option : **1**

Q.18 The complexation of Quinine with hexyl salicylate is an example of absorption by :

- Options**
1. Convective transport
 2. Facilitated transport
 3. Penocytosis
 4. Ion pair transport

Question Type : **MCQ**

Question ID : **4050363053**

Option 1 ID : **40503611099**

Option 2 ID : **40503611098**

Option 3 ID : **40503611101**

Option 4 ID : **40503611100**

Status : **Answered**

Chosen Option : **4**

Q.19 The polymorphs exhibit the following different properties Except :

- Options**
1. X-ray crystal and diffraction patterns
 2. Melting points
 3. Solubilities
 4. Chemical structures

Question Type : **MCQ**

Question ID : **4050363062**

Option 1 ID : **40503611135**

Option 2 ID : **40503611134**

Option 3 ID : **40503611136**

Option 4 ID : **40503611137**

Status : **Answered**

Chosen Option : **4**

Q.20 Method of Study Drug Distribution pattern is :

- Options**
1. Mass spectrophotometry
 2. Nuclear magnetic resonance
 3. Flourimetry
 4. UV-visible spectrophotometry

Question Type : **MCQ**

Question ID : **4050363056**

Option 1 ID : **40503611112**

Option 2 ID : **40503611110**

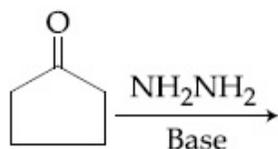
Option 3 ID : **40503611113**

Option 4 ID : **40503611111**

Status : **Answered**

Chosen Option : **3**

Q.21 Product of the following reaction :



Options

- 1.
- 2.
- 3.
- 4.

Question Type : MCQ

Question ID : 4050363083

Option 1 ID : 40503611219

Option 2 ID : 40503611220

Option 3 ID : 40503611218

Option 4 ID : 40503611221

Status : Answered

Chosen Option : 2

Q.22 Which of the following powder shows the greatest degree of dustibility ?

Options

1. Talcum powder
2. Lycopodium powder
3. Fine charcoal
4. Potato Starch

Question Type : MCQ

Question ID : 4050363064

Option 1 ID : 40503611144

Option 2 ID : 40503611145

Option 3 ID : 40503611142

Option 4 ID : 40503611143

Status : Answered

Chosen Option : 1

Q.23 The dispersion of coarse material by shearing in a narrow gap between a static cone and a rapidly rotating cone is caused by :

- Options**
1. Colloid Mills
 2. Electrical Dispersion
 3. Peptisation
 4. Ultrasonic Irradiation

Question Type : **MCQ**
Question ID : **4050363046**
Option 1 ID : **40503611073**
Option 2 ID : **40503611072**
Option 3 ID : **40503611070**
Option 4 ID : **40503611071**
Status : **Answered**
Chosen Option : 1

Q.24 When the concentration of an aqueous sodium chloride solution has the same colligative properties as the solution in question, the value so obtained is known as :

- Options**
1. Normality
 2. Isotonicity value
 3. Molarity
 4. Molality

Question Type : **MCQ**
Question ID : **4050363061**
Option 1 ID : **40503611133**
Option 2 ID : **40503611130**
Option 3 ID : **40503611131**
Option 4 ID : **40503611132**
Status : **Answered**
Chosen Option : 2

Q.25 When adhesive attractions between molecules of different species exceeds cohesive attraction between like molecules, the deviation according to Rault's law is said to be :

- Options**
1. **Partial**
 2. **Positive**
 3. **Neutral**
 4. **Negative**

Question Type : **MCQ**
Question ID : **4050363076**
Option 1 ID : **40503611190**
Option 2 ID : **40503611192**
Option 3 ID : **40503611193**
Option 4 ID : **40503611191**
Status : **Answered**
Chosen Option : **2**

Q.26 Centistoke is the CGS unit for the following property :

- Options**
1. **Surface tension**
 2. **Coefficient of viscosity**
 3. **Fluidity**
 4. **Kinematic viscosity**

Question Type : **MCQ**
Question ID : **4050363063**
Option 1 ID : **40503611138**
Option 2 ID : **40503611141**
Option 3 ID : **40503611139**
Option 4 ID : **40503611140**
Status : **Answered**
Chosen Option : **4**

Q.27 Molar heat capacity of a system is defined as :

Options

1. The amount of heat required to raise temperature of one mole of the system by one Kelvin
2. The amount of heat required to decrease temperature of one mole of the system by one Kelvin
3. The amount of heat required to decrease temperature of one mole of the system by one Fahrenheit
4. The amount of heat required to raise temperature of one mole of the system by one Fahrenheit

Question Type : **MCQ**

Question ID : **4050363077**

Option 1 ID : **40503611194**

Option 2 ID : **40503611195**

Option 3 ID : **40503611197**

Option 4 ID : **40503611196**

Status : **Answered**

Chosen Option : **1**

Q.28 When a solid forms a gel more readily when gently shaken or otherwise sheared than when allowed to form the gel while the material is kept at rest, the phenomenon is known as :

Options

1. **Thixotropy**
2. **Rheopexy**
3. **Negative rheopexy**
4. **Antithixotropy**

Question Type : **MCQ**

Question ID : **4050363060**

Option 1 ID : **40503611126**

Option 2 ID : **40503611128**

Option 3 ID : **40503611129**

Option 4 ID : **40503611127**

Status : **Answered**

Chosen Option : **2**

Q.29 In the process of Extraction, ethanol is used as a solvent for :

- Options
1. Sucrose
 2. Waxes
 3. Alkaloids
 4. Gums

Question Type : **MCQ**
Question ID : **4050363047**
Option 1 ID : **40503611077**
Option 2 ID : **40503611076**
Option 3 ID : **40503611075**
Option 4 ID : **40503611074**
Status : **Answered**
Chosen Option : **2**

Q.30 Human Serum Albumin has a molecular weight of :

- Options
1. 34,000
 2. 65,000
 3. 44,000
 4. 59,000

Question Type : **MCQ**
Question ID : **4050363057**
Option 1 ID : **40503611114**
Option 2 ID : **40503611117**
Option 3 ID : **40503611116**
Option 4 ID : **40503611115**
Status : **Answered**
Chosen Option : **2**

Q.31 Riboflavin, chemically is :

- Options
1. 6,7-dimethyl isoalloxazine
 2. 6,7-diethyl isoalloxazine
 3. 8,9-dimethyl isoalloxazine
 4. 8,9-diethyl isoalloxazine

Question Type : **MCQ**
Question ID : **4050363080**
Option 1 ID : **40503611206**
Option 2 ID : **40503611208**
Option 3 ID : **40503611207**
Option 4 ID : **40503611209**
Status : **Answered**
Chosen Option : **1**

Q.32 Burow's solution is :

Options

1. Aluminium acetate solution strong
2. Calcium phosphate solution strong
3. Ammonium acetate solution strong
4. Calcium hydroxide solution strong

Question Type : **MCQ**

Question ID : **4050363068**

Option 1 ID : **40503611158**

Option 2 ID : **40503611161**

Option 3 ID : **40503611159**

Option 4 ID : **40503611160**

Status : **Answered**

Chosen Option : **4**

Q.33 Drug products that contain the same therapeutic moiety but as different salts, esters or complexes are called as :

Options

1. Therapeutic equivalents
2. Pharmaceutical equivalents
3. Pharmaceutical alternative
4. Therapeutic alternatives

Question Type : **MCQ**

Question ID : **4050363051**

Option 1 ID : **40503611091**

Option 2 ID : **40503611093**

Option 3 ID : **40503611092**

Option 4 ID : **40503611090**

Status : **Answered**

Chosen Option : **1**

Q.34 When six suppositories containing 20 percent of morphine hydrochloride in Theobroma oil are to be prepared, which of the following statement is correct ?

(Given : Displacement value of morphine hydrochloride is 1.5; weight of each suppository is 1g)

Options

1. The displacement value of morphine hydrochloride is to be considered

2.

The displacement values of both morphine hydrochloride and Theobroma oil are to be considered

3.

The displacement value of morphine hydrochloride is to be ignored

4. The displacement value of Theobroma oil is to be considered

Question Type : **MCQ**

Question ID : **4050363066**

Option 1 ID : **40503611150**

Option 2 ID : **40503611153**

Option 3 ID : **40503611151**

Option 4 ID : **40503611152**

Status : **Answered**

Chosen Option : **1**

Q.35 Following amino acid does not exhibit optical isomerism :

Options 1. Serine

2. Alanine

3. Glycine

4. Leucine

Question Type : **MCQ**

Question ID : **4050363079**

Option 1 ID : **40503611204**

Option 2 ID : **40503611202**

Option 3 ID : **40503611205**

Option 4 ID : **40503611203**

Status : **Answered**

Chosen Option : **3**

Q.36 Fraction of administered dose (which may be -n form of an ester of salt) of active drug is termed as :

- Options**
1. Activity factor
 2. Formulation factor
 3. Intrinsic factor
 4. Salt factor

Question Type : **MCQ**
Question ID : **4050363054**
Option 1 ID : **40503611105**
Option 2 ID : **40503611103**
Option 3 ID : **40503611102**
Option 4 ID : **40503611104**
Status : **Answered**
Chosen Option : **2**

Q.37 If two monosaccharides differ in their structure around a single carbon atom, they are called as _____.

- Options**
1. Epimers
 2. Dimers
 3. Trioses
 4. Trimers

Question Type : **MCQ**
Question ID : **4050363081**
Option 1 ID : **40503611211**
Option 2 ID : **40503611210**
Option 3 ID : **40503611213**
Option 4 ID : **40503611212**
Status : **Answered**
Chosen Option : **1**

Q.38 Which of the following is the example of "Invert Sugar" ?

- Options**
1. Sucralose
 2. Lactulose
 3. Lactose
 4. Sucrose

Question Type : **MCQ**
Question ID : **4050363078**
Option 1 ID : **40503611201**
Option 2 ID : **40503611200**
Option 3 ID : **40503611198**
Option 4 ID : **40503611199**
Status : **Answered**
Chosen Option : **1**

Q.1 Which of the following groups stabilizes carbocation in electrophilic aromatic substitution ?

- Options**
1. $-\text{CN}$, $-\text{SO}_3\text{H}$
 2. $-\text{COOH}$, $-\text{CHO}$
 3. $-\text{NH}_2$, $-\text{OH}$
 4. $-\text{N}(\text{CH}_3)_3^+$, $-\text{NO}_2$

Question Type : **MCQ**
Question ID : **4050363093**
Option 1 ID : **40503611259**
Option 2 ID : **40503611260**
Option 3 ID : **40503611261**
Option 4 ID : **40503611258**
Status : **Answered**
Chosen Option : **4**

Q.2 The mechanism of antiepileptic effect of Lamotrigine is by :

- Options**
1. Inhibition of glutamate release
 2. Blockade of NMDA receptors
 3. Inhibition of Na^+ channels
 4. Inhibition of Ca^{++} channels

Question Type : **MCQ**
Question ID : **4050363119**
Option 1 ID : **40503611363**
Option 2 ID : **40503611362**
Option 3 ID : **40503611364**
Option 4 ID : **40503611365**
Status : **Answered**
Chosen Option : **2**

Q.3 Closeness of a measured value to the true or accepted value is known as _____.

- Options
1. Accuracy
 2. Deviation
 3. Precision
 4. Bias

Question Type : MCQ

Question ID : 4050363103

Option 1 ID : 40503611299

Option 2 ID : 40503611300

Option 3 ID : 40503611298

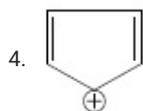
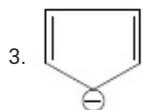
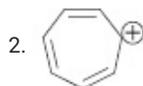
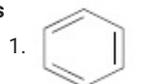
Option 4 ID : 40503611301

Status : Answered

Chosen Option : 1

Q.4 Which of the following is Anti aromatic ?

Options



Question Type : MCQ

Question ID : 4050363087

Option 1 ID : 40503611235

Option 2 ID : 40503611237

Option 3 ID : 40503611236

Option 4 ID : 40503611234

Status : Not Answered

Chosen Option : --

Q.5 Global source in infra red spectrophotometer is _____.

- Options**
1. Silicon carbide rod
 2. Rhodium wire heated in ceramic
 3. Tungsten filament
 4. Nichrome wire

Question Type : **MCQ**
Question ID : **4050363108**
Option 1 ID : **40503611319**
Option 2 ID : **40503611320**
Option 3 ID : **40503611321**
Option 4 ID : **40503611318**
Status : **Answered**
Chosen Option : **1**

Q.6 Cotrimoxazole is combination of trimethoprim with sulfamethoxazole. Which of the following statement is correct about cotrimoxazole ?

- Options**
1. Cotrimoxazole is contraindicated during pregnancy.
 2. Most effective ratio of trimethoprim : sulfamethoxazole in plasma is 20 : 1.
 3. Trimethoprim : sulfamethoxazole are administered in a dose ratio of 5 : 1 to achieve optimal synergistic effect.
 4. Cotrimoxazole is ineffective in treating respiratory tract infections.

Question Type : **MCQ**
Question ID : **4050363116**
Option 1 ID : **40503611352**
Option 2 ID : **40503611350**
Option 3 ID : **40503611351**
Option 4 ID : **40503611353**
Status : **Answered**
Chosen Option : **2**

Q.7 Ion trapping is an important process in drug distribution with potential therapeutic benefit. It is defined as :

Options

1. An acidic drug will accumulate on the more basic side of the membrane and a basic drug on more basic side.
2. An acidic drug will accumulate on the more acidic side of the membrane and a basic drug on more basic side.
3. An acidic drug will accumulate on the more basic side of the membrane and a basic drug on more acidic side.
4. An acidic drug will accumulate on the more acidic side of the membrane and a basic drug on more acidic side.

Question Type : **MCQ**

Question ID : **4050363113**

Option 1 ID : **40503611341**

Option 2 ID : **40503611339**

Option 3 ID : **40503611338**

Option 4 ID : **40503611340**

Status : **Answered**

Chosen Option : **2**

Q.8 Identify the diuretic which causes hyperuricaemia, tend to raise serum calcium and also causes magnesium depletion ?

Options

1. **Acetazolamide**
2. **Furosemide**
3. **Mannitol**
4. **Chlorthiazide**

Question Type : **MCQ**

Question ID : **4050363115**

Option 1 ID : **40503611348**

Option 2 ID : **40503611349**

Option 3 ID : **40503611346**

Option 4 ID : **40503611347**

Status : **Answered**

Chosen Option : **2**

Q.9 The Nitration of quinoline gives a mixture of _____.

- Options
1. 3-nitro-and 6-nitroquinolines
 2. 2-nitro-and 7-nitroquinolines
 3. 5-nitro-and 8-nitroquinolines
 4. 2-nitro-and 4-nitroquinolines

Question Type : MCQ
Question ID : 4050363092
Option 1 ID : 40503611256
Option 2 ID : 40503611257
Option 3 ID : 40503611255
Option 4 ID : 40503611254
Status : Not Answered
Chosen Option : --

Q.10 The specific reagents used in skraup synthesis of quinoline are :

- Options
1. Benzaldehyde, aniline, sulfuric acid and Nitrobenzene
 2. Glycerol, aniline, sulfuric acid and Nitrobenzene
 3. Benzaldehyde, Acetal of aminoethanal and Nitrobenzene
 4. Glycerol, Acetal of aminoethanal and Nitrobenzene

Question Type : MCQ
Question ID : 4050363094
Option 1 ID : 40503611263
Option 2 ID : 40503611262
Option 3 ID : 40503611264
Option 4 ID : 40503611265
Status : Answered
Chosen Option : 1

Q.11 Mitomycin C is an antibiotic isolated from :

- Options
1. *Streptomyces peucetius*
 2. *Streptomyces verticillus*
 3. *Streptomyces antibioticus*
 4. *Streptomyces caespitosus*

Question Type : MCQ
Question ID : 4050363100
Option 1 ID : 40503611286
Option 2 ID : 40503611288
Option 3 ID : 40503611289
Option 4 ID : 40503611287
Status : Not Answered
Chosen Option : --

Q.12 This 4-amino quinoline antimalarial drug marketed as R, S isomer, has two trifluoromethyl moieties at position 2' and 8' and no electronegative substituent either at 6' or 7' positions is :

- Options**
1. Mefloquine
 2. Chloroquine
 3. Primaquine
 4. Amodiaquine

Question Type : **MCQ**
Question ID : **4050363099**
Option 1 ID : **40503611283**
Option 2 ID : **40503611282**
Option 3 ID : **40503611285**
Option 4 ID : **40503611284**
Status : **Answered**
Chosen Option : **1**

Q.13 Which one is NOT an opioid receptor ?

- Options**
1. Gamma
 2. Kappa
 3. Mu
 4. Delta

Question Type : **MCQ**
Question ID : **4050363097**
Option 1 ID : **40503611277**
Option 2 ID : **40503611275**
Option 3 ID : **40503611274**
Option 4 ID : **40503611276**
Status : **Answered**
Chosen Option : **1**

Q.14 One of the following statement with respect to carbachol is NOT correct Identify :

Options 1. It can be administered orally

2. It possess both muscarinic and nicotinic action

3.

It is more susceptible to hydrolysis as compared to acetylcholine

4.

The amino group decreases electrophilicity of the carbonyl group

Question Type : MCQ

Question ID : 4050363102

Option 1 ID : 40503611296

Option 2 ID : 40503611295

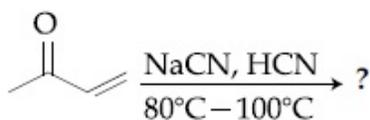
Option 3 ID : 40503611297

Option 4 ID : 40503611294

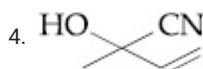
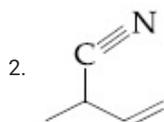
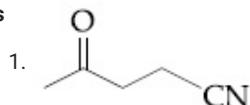
Status : Answered

Chosen Option : 3

Q.15 What is the product of the following reaction ?



Options



Question Type : MCQ

Question ID : 4050363089

Option 1 ID : 40503611243

Option 2 ID : 40503611245

Option 3 ID : 40503611244

Option 4 ID : 40503611242

Status : Not Answered

Chosen Option : --

Q.16 Which three of the following are physiological effects of ganglionic stimulating agents ?

- (A) Stimulation of sympathetic ganglia and the adrenal medulla leading to cardiovascular responses
- (B) Initial transient stimulation and then a more persistent depression of all autonomic ganglia
- (C) Marked depression of CNS leading to analgesia.
- (D) Chronic exposure causes a marked increase in the density of nicotinic receptors contributing tolerance and dependence.
- (E) Combined activation of parasympathetic ganglia and cholinergic nerve ending by nicotine results in increased tone and motor activity of the bowel.
- (F) Inhibition of salivary and bronchial secretions that is followed by stimulation.

Options 1. (A); (C) and (D)

2. (B); (D) and (F)

3. (B); (C) and (E)

4. (A); (B) and (D)

Question Type : **MCQ**

Question ID : **4050363112**

Option 1 ID : **40503611334**

Option 2 ID : **40503611335**

Option 3 ID : **40503611336**

Option 4 ID : **40503611337**

Status : **Not Answered**

Chosen Option : --

Q.17 Two pore domain K^+ ions channels are opened by which one of the following categories of anaesthetics ?

Options 1. Barbiturates

2. Benzodiazepines

3. Opioid analgesics

4. Halogenated inhalation anaesthetic

Question Type : **MCQ**

Question ID : **4050363111**

Option 1 ID : **40503611330**

Option 2 ID : **40503611333**

Option 3 ID : **40503611332**

Option 4 ID : **40503611331**

Status : **Answered**

Chosen Option : 4

Q.18 Which of the following rearrangement involves migration of a group from carbon to electron deficient nitrogen ?

- Options
1. **Wittig rearrangement**
 2. Baeyer Villiger, rearrangement
 3. Pinacol-pinacolone rearrangement
 4. Beckmann rearrangement

Question Type : **MCQ**
Question ID : **4050363090**
Option 1 ID : **40503611249**
Option 2 ID : **40503611246**
Option 3 ID : **40503611247**
Option 4 ID : **40503611248**
Status : **Not Answered**
Chosen Option : --

Q.19 The mechanism by which fluorides inhibit dental caries is :

- Options
1. By increasing susceptibility to acid
 2. By increasing the sensitivity of tooth enamel
 3. Decreased acid solubility of enamel
 4. Increased acid solubility of enamel

Question Type : **MCQ**
Question ID : **4050363098**
Option 1 ID : **40503611280**
Option 2 ID : **40503611279**
Option 3 ID : **40503611278**
Option 4 ID : **40503611281**
Status : **Answered**
Chosen Option : **3**

Q.20 The solvent used in NMR spectroscopy with the highest level of deuteration among these is :

- Options
1. **Deuterioacetone**
 2. Deuterium oxide
 3. Deuteriomethanol
 4. Deuteriochloroform

Question Type : **MCQ**
Question ID : **4050363107**
Option 1 ID : **40503611316**
Option 2 ID : **40503611317**
Option 3 ID : **40503611315**
Option 4 ID : **40503611314**
Status : **Answered**
Chosen Option : **4**

Q.21 The weakly acidic nature of warfarin is attributed to the presence of :

- Options
1. Methylene protons on substitution at 3rd position
 2. Proton of hydroxyl group at 4th position
 3. Proton on chiral carbon
 4. Aromatic protons of coumarin ring

Question Type : MCQ

Question ID : 4050363101

Option 1 ID : 40503611290

Option 2 ID : 40503611292

Option 3 ID : 40503611293

Option 4 ID : 40503611291

Status : Not Answered

Chosen Option : --

Q.22 Which of the following drugs possesses Antiplatelet effects ?

- Options
1. Erythropoietin
 2. Urokinase
 3. Desmopressin
 4. Clopidogrel

Question Type : MCQ

Question ID : 4050363117

Option 1 ID : 40503611357

Option 2 ID : 40503611354

Option 3 ID : 40503611356

Option 4 ID : 40503611355

Status : Answered

Chosen Option : 4

Q.23 Walden inversion or complete reversal of stereochemistry occurs in one of the following substitution reaction :

- Options
1. SN_{Ar} reactions
 2. SN_i reaction
 3. SN_2 reactions
 4. SN_1 reactions

Question Type : MCQ

Question ID : 4050363088

Option 1 ID : 40503611240

Option 2 ID : 40503611241

Option 3 ID : 40503611238

Option 4 ID : 40503611239

Status : Answered

Chosen Option : 1

Q.24 Antifungal agent 5-fluorocytosine is converted to its active metabolite 5-fluorouracil by one of the following fungal enzyme :

- Options**
1. Cytosine deacetylase
 2. Cytosine reductase
 3. Cytosine demethylase
 4. Cytosine deaminase

Question Type : **MCQ**
Question ID : **4050363096**
Option 1 ID : **40503611273**
Option 2 ID : **40503611270**
Option 3 ID : **40503611272**
Option 4 ID : **40503611271**
Status : **Answered**
Chosen Option : **2**

Q.25 Propanone and 2-hydroxy propene are ;

- Options**
1. Position isomers
 2. Rotamers
 3. Chain Isomers
 4. Tautomers

Question Type : **MCQ**
Question ID : **4050363086**
Option 1 ID : **40503611233**
Option 2 ID : **40503611231**
Option 3 ID : **40503611230**
Option 4 ID : **40503611232**
Status : **Answered**
Chosen Option : **1**

Q.26 The principle of liquid-liquid extraction is _____.

- Options**
1. Partition
 2. Solubility
 3. Adsorption
 4. Separation

Question Type : **MCQ**
Question ID : **4050363104**
Option 1 ID : **40503611302**
Option 2 ID : **40503611303**
Option 3 ID : **40503611304**
Option 4 ID : **40503611305**
Status : **Answered**
Chosen Option : **1**

Q.27 When an electron with charge 1.60×10^{-19} coulombs is moved through a potential difference of 1 volt, the energy expended or released is called as _____.

- Options**
1. 1 joule
 2. 1 coulomb
 3. 1 erg
 4. 1 e volt

Question Type : **MCQ**
Question ID : **4050363109**
Option 1 ID : **40503611322**
Option 2 ID : **40503611323**
Option 3 ID : **40503611325**
Option 4 ID : **40503611324**
Status : **Answered**
Chosen Option : 1

Q.28 An aldopentose can be converted into aldohexose by :

- Options**
1. Ruff's degradation method
 2. Wohl's method
 3. Kiliani-Fischer synthesis
 4. Hoffmann degradation method

Question Type : **MCQ**
Question ID : **4050363084**
Option 1 ID : **40503611224**
Option 2 ID : **40503611223**
Option 3 ID : **40503611222**
Option 4 ID : **40503611225**
Status : **Answered**
Chosen Option : 3

Q.29 Hydrated proton is called _____.

- Options**
1. Water proton
 2. Hydronium ion
 3. Roxonium ion
 4. Proton pump

Question Type : **MCQ**
Question ID : **4050363106**
Option 1 ID : **40503611310**
Option 2 ID : **40503611312**
Option 3 ID : **40503611313**
Option 4 ID : **40503611311**
Status : **Answered**
Chosen Option : 2

Q.30 What is the approximate chemical shift ranges for protons attached to aldehydic groups ?

- Options**
1. 4 - 8 δ
 2. 9.5 - 10.0 δ
 3. 6 - 7.9 δ
 4. 1.5 - 3.5 δ

Question Type : **MCQ**
Question ID : **4050363110**
Option 1 ID : **40503611327**
Option 2 ID : **40503611326**
Option 3 ID : **40503611328**
Option 4 ID : **40503611329**
Status : **Answered**
Chosen Option : 2

Q.31 The condensation of an active methylene compound with formaldehyde and an amine to form β -amino carbonyl compound is known as :

- Options**
1. Mannich reaction
 2. Knoevenagel condensation
 3. Stobbe condensation
 4. Beckmann rearrangement

Question Type : **MCQ**
Question ID : **4050363091**
Option 1 ID : **40503611252**
Option 2 ID : **40503611253**
Option 3 ID : **40503611251**
Option 4 ID : **40503611250**
Status : **Answered**
Chosen Option : 1

Q.32 Meloxicam belongs to which class of Nonsteroidal Anti-inflammatory Drugs (NSAIDs) ?

- Options**
1. Preferential cox-2 inhibitor
 2. Selective cox-1 inhibitor
 3. Preferential cox-1 inhibitor
 4. Selective cox-2 inhibitor

Question Type : **MCQ**
Question ID : **4050363121**
Option 1 ID : **40503611371**
Option 2 ID : **40503611370**
Option 3 ID : **40503611373**
Option 4 ID : **40503611372**
Status : **Answered**
Chosen Option : 1

Q.33 Which one of the following is **not** the property of osmotic diuretics ?

- Options**
1. Undergo limited reabsorption by the renal tubule
 2. Are relatively inert pharmacologically
 3. They inhibit carbonic anhydrase
 4. Freely filtered at the glomerulus

Question Type : **MCQ**
Question ID : **4050363118**
Option 1 ID : **40503611359**
Option 2 ID : **40503611360**
Option 3 ID : **40503611361**
Option 4 ID : **40503611358**
Status : **Answered**
Chosen Option : **3**

Q.34 Electron releasing groups stabilizes free radicals by :

- Options**
1. Positive inductive (+I) effect
 2. Negative mesomeric (-m) effect
 3. Positive mesomeric (+m) effect
 4. Negative inductive (-I) effect

Question Type : **MCQ**
Question ID : **4050363085**
Option 1 ID : **40503611228**
Option 2 ID : **40503611227**
Option 3 ID : **40503611226**
Option 4 ID : **40503611229**
Status : **Answered**
Chosen Option : **1**

Q.35 The principle of gas-liquid chromatography is _____.

- Options**
1. Partition chromatography
 2. Affinity chromatography
 3. Adsorption chromatography
 4. Ion exchange chromatography

Question Type : **MCQ**
Question ID : **4050363105**
Option 1 ID : **40503611307**
Option 2 ID : **40503611306**
Option 3 ID : **40503611308**
Option 4 ID : **40503611309**
Status : **Answered**
Chosen Option : **1**

Q.36 The heterocyclic nucleus present in nitrofurantoin are :

- Options**
1. 3-nitro furan and imidazole 2,4-dione
 2. 2-nitro furan and imidazoline-2-one
 3. Furan and pyrrole
 4. 2-nitro furan and imidazole 2,4-dione

Question Type : **MCQ**

Question ID : **4050363095**

Option 1 ID : **40503611267**

Option 2 ID : **40503611268**

Option 3 ID : **40503611269**

Option 4 ID : **40503611266**

Status : **Not Answered**

Chosen Option : --

Q.37 d-tubercuarin produces skeletal muscle relaxation by inhibiting :

- Options**
1. Ganglionic nicotinic receptors
 2. Muscurinic receptors
 3. Nicotinic receptors in neuromuscular junction
 4. α -adrenergic receptors

Question Type : **MCQ**

Question ID : **4050363120**

Option 1 ID : **40503611366**

Option 2 ID : **40503611367**

Option 3 ID : **40503611369**

Option 4 ID : **40503611368**

Status : **Answered**

Chosen Option : **3**

Q.38 Which of the following is not one of the triade effects of adrenaline leading to rise in blood pressure ?

Options

1. A direct myocardial stimulation that increases the strength of ventricular contraction
2. **An increased heart rate (positive chronotropic action)**
3. Vasoconstriction in many vascular bed specially in precapillary resistance vessels of skin
4. Stimulation of presynaptic alpha-2 adrenoreceptor leading to increase sympathetic tone

Question Type : **MCQ**

Question ID : **4050363114**

Option 1 ID : **40503611344**

Option 2 ID : **40503611343**

Option 3 ID : **40503611345**

Option 4 ID : **40503611342**

Status : **Answered**

Chosen Option : **4**

Section : Pharmacognosy

Q.1 Which one of the following is not the biochemical marker of all death ?

Options

1. **Phospholipase**
2. Creatine kinase
3. Lipase
4. Amylase

Question Type : **MCQ**

Question ID : **4050363126**

Option 1 ID : **40503611393**

Option 2 ID : **40503611390**

Option 3 ID : **40503611391**

Option 4 ID : **40503611392**

Status : **Answered**

Chosen Option : **3**

Q.2 In the transplant rejection the clinical features of graft-versus-host reaction includes following-
Except :

- Options**
1. Dermatitis, diarrhoea
 2. Fever, weight loss
 3. Intestinal malabsorption
 4. Rheumatoid arthritis

Question Type : **MCQ**
Question ID : **4050363127**
Option 1 ID : **40503611397**
Option 2 ID : **40503611394**
Option 3 ID : **40503611396**
Option 4 ID : **40503611395**
Status : **Answered**
Chosen Option : **4**

Q.3 Which one of the following statement is true for cancer cells ?

- Options**
1. Oncoproteins produced by cancer cells act an neighboring cells
 2. Cancer cells require stimulation by growth factors
 3. Cancer cells are highly sensitive to growth inhibitory signals
 4. Cancer cells produce oncoproteins in the absence of growth factors or external stimuli

Question Type : **MCQ**
Question ID : **4050363123**
Option 1 ID : **40503611380**
Option 2 ID : **40503611379**
Option 3 ID : **40503611381**
Option 4 ID : **40503611378**
Status : **Answered**
Chosen Option : **4**

Q.4 Rosacea is a skin condition that affect :

- Options**
1. Teenage people
 2. Oldage people
 3. Only woman
 4. Adults between the age of 30 - 60

Question Type : **MCQ**
Question ID : **4050363129**
Option 1 ID : **40503611402**
Option 2 ID : **40503611404**
Option 3 ID : **40503611405**
Option 4 ID : **40503611403**
Status : **Answered**
Chosen Option : **1**

Q.5 A typical long bone consists of following parts except :

- Options**
1. The diaphysis
 2. The trabeculae
 3. The epiphyses
 4. The periosteum

Question Type : **MCQ**
Question ID : **4050363131**
Option 1 ID : **40503611410**
Option 2 ID : **40503611413**
Option 3 ID : **40503611411**
Option 4 ID : **40503611412**
Status : **Answered**
Chosen Option : **4**

Q.6 Which of the following Neurotransmitter is formed on demand and act immediately ?

- Options**
1. Acetylcholine
 2. Histamine
 3. Nitric oxide (NO)
 4. Adrenaline

Question Type : **MCQ**
Question ID : **4050363130**
Option 1 ID : **40503611409**
Option 2 ID : **40503611408**
Option 3 ID : **40503611406**
Option 4 ID : **40503611407**
Status : **Answered**
Chosen Option : **3**

Q.7 In one of the following situations metabolic acidosis does **not** occur :

- Options**
1. Uncontrolled diabetes mellitus
 2. Therapeutic administration of acetazolamide
 3. Chronic renal failure
 4. Production of less amount of lactic acid

Question Type : **MCQ**
Question ID : **4050363128**
Option 1 ID : **40503611399**
Option 2 ID : **40503611401**
Option 3 ID : **40503611400**
Option 4 ID : **40503611398**
Status : **Answered**
Chosen Option : **4**

Q.8 Which one of the following is a organ specific (localised) autoimmune disease ?

- Options**
1. Grave's disease
 2. Scleroderma
 3. Polyarteritis nodosa
 4. Rheumatoid arthritis

Question Type : **MCQ**
Question ID : **4050363124**
Option 1 ID : **40503611383**
Option 2 ID : **40503611384**
Option 3 ID : **40503611385**
Option 4 ID : **40503611382**
Status : **Answered**
Chosen Option : **4**

Q.9 One of the following is not a chemical or histochemical change that occurs in infarction of heart :

- Options**
1. Decrease in sodium
 2. Glycogen depletion
 3. Influx of calcium
 4. Increase in lactic acid

Question Type : **MCQ**
Question ID : **4050363125**
Option 1 ID : **40503611388**
Option 2 ID : **40503611386**
Option 3 ID : **40503611389**
Option 4 ID : **40503611387**
Status : **Answered**
Chosen Option : **3**

Q.10 Following pairs represent antibiotic and its source. Identify the correct pair :

- Options**
1. Griseofulvin : Bacteria
 2. Polyenes : Fungi
 3. Colistin : Fungi
 4. Macrolides : Actinomycetes

Question Type : **MCQ**

Question ID : **4050363122**

Option 1 ID : **40503611374**

Option 2 ID : **40503611376**

Option 3 ID : **40503611375**

Option 4 ID : **40503611377**

Status : **Answered**

Chosen Option : **2**

Section : Pharmacology

Q.1 Who was the Chairman of the Drugs Enquiry Committee which was established in the year 1927 ?

- Options**
1. B. Mukherjee
 2. Joseph Bhore
 3. S.S. Bhatia
 4. R.N. Chopra

Question Type : **MCQ**

Question ID : **4050363152**

Option 1 ID : **40503611495**

Option 2 ID : **40503611496**

Option 3 ID : **40503611497**

Option 4 ID : **40503611494**

Status : **Answered**

Chosen Option : **4**

Q.2 Which one of the following is not a renal osteodystrophy (type of bone disease associated with chronic kidney disease) ?

- Options**
1. Adynamic bone disease
 2. Osteomalacia
 3. Secondary hypoparathyroidism
 4. Mixed renal osteodystrophy

Question Type : **MCQ**

Question ID : **4050363135**

Option 1 ID : **40503611429**

Option 2 ID : **40503611427**

Option 3 ID : **40503611426**

Option 4 ID : **40503611428**

Status : **Answered**

Chosen Option : **3**

Q.3 Plants which are not differentiated into root, stem and leaves are :

- Options**
1. Plant aginales
 2. Principes
 3. Thallophyte
 4. Bromeliales

Question Type : **MCQ**

Question ID : **4050363145**

Option 1 ID : **40503611467**

Option 2 ID : **40503611469**

Option 3 ID : **40503611466**

Option 4 ID : **40503611468**

Status : **Not Answered**

Chosen Option : **--**

Q.4 Identify antiarrhythmic drug that increases duration of QT wave and decreases the sinus rate, whereas it has no effect on QRS complex :

- Options**
1. Lidocaine
 2. Amiodarone
 3. Verapamil
 4. Quinidine

Question Type : **MCQ**

Question ID : **4050363136**

Option 1 ID : **40503611432**

Option 2 ID : **40503611430**

Option 3 ID : **40503611431**

Option 4 ID : **40503611433**

Status : **Answered**

Chosen Option : **2**

Q.5 As per the Drugs and Cosmetics Act-1940, if a drug is not labelled in prescribed manner it is a :

Options

1. Spurious drug
2. Substandard drug
3. Adulterated drug
4. Misbranded drug

Question Type : **MCQ**

Question ID : **4050363150**

Option 1 ID : **40503611488**

Option 2 ID : **40503611489**

Option 3 ID : **40503611487**

Option 4 ID : **40503611486**

Status : **Answered**

Chosen Option : **4**

Q.6 The major property of Ayurvedic herbs, "Rasa" indicates :

Options

1. Taste
2. Post digestive effect
3. Potency
4. Physicochemical properties

Question Type : **MCQ**

Question ID : **4050363143**

Option 1 ID : **40503611458**

Option 2 ID : **40503611461**

Option 3 ID : **40503611460**

Option 4 ID : **40503611459**

Status : **Answered**

Chosen Option : **2**

Q.7 Except one of the following pairs represent drugs used in the treatment of glaucoma and their primary mechanism. Select the wrong pair from the following :

Options

1. Topical prostaglandin analogues : Increase aqueous outflow
2. Topical beta-adrenergic blockers : Decrease aqueous outflow
3. Topical miotics : Increase aqueous outflow
4. Topical carbonic anhydrase inhibitors : Decrease aqueous formation

Question Type : **MCQ**

Question ID : **4050363134**

Option 1 ID : **40503611425**

Option 2 ID : **40503611423**

Option 3 ID : **40503611422**

Option 4 ID : **40503611424**

Status : **Answered**

Chosen Option : **2**

Q.8 Autorhythmicity is present in which of the following group of tissues ?

- Options**
1. Skeletal muscle and cardiac muscle
 2. Skeletal muscle and visceral smooth muscle
 3. Cardiac muscle and neuronal tissue
 4. Cardiac muscle and visceral smooth muscle

Question Type : **MCQ**

Question ID : **4050363132**

Option 1 ID : **40503611414**

Option 2 ID : **40503611416**

Option 3 ID : **40503611417**

Option 4 ID : **40503611415**

Status : **Answered**

Chosen Option : **3**

Q.9 During the denaturation cycle in polymerase chain reaction the temperature is raised to :

- Options**
1. 90 - 98°C
 2. 60 - 68°C
 3. 70 - 78°C
 4. 80 - 88°C

Question Type : **MCQ**

Question ID : **4050363154**

Option 1 ID : **40503611502**

Option 2 ID : **40503611505**

Option 3 ID : **40503611504**

Option 4 ID : **40503611503**

Status : **Answered**

Chosen Option : **3**

Q.10 The general purpose sodalime glass is not a suitable material for fabricating the container for :

- Options**
1. Parenterals
 2. Oral solutions
 3. Liquids for external use
 4. Dry powders

Question Type : **MCQ**

Question ID : **4050363156**

Option 1 ID : **40503611510**

Option 2 ID : **40503611513**

Option 3 ID : **40503611512**

Option 4 ID : **40503611511**

Status : **Answered**

Chosen Option : **4**

Q.11 In which year India signed General Agreement on Trade and Tariffs (GATT) including Trade Related Intellectual Property Rights (TRIPS) ?

- Options**
1. 1996
 2. 1994
 3. 1992
 4. 1990

Question Type : **MCQ**
Question ID : **4050363159**
Option 1 ID : **40503611522**
Option 2 ID : **40503611523**
Option 3 ID : **40503611524**
Option 4 ID : **40503611525**
Status : **Not Answered**
Chosen Option : --

Q.12 A fixed oil when added to an equal volume of ethanol; clear liquid is obtained; on cooling at 0°C and on storage for three hours, the liquid remains clear such fixed oil is identified as :

- Options**
1. Castor oil
 2. Soyabean oil
 3. Neem oil
 4. Evening Primrose oil

Question Type : **MCQ**
Question ID : **4050363144**
Option 1 ID : **40503611465**
Option 2 ID : **40503611464**
Option 3 ID : **40503611462**
Option 4 ID : **40503611463**
Status : **Answered**
Chosen Option : 1

Q.13 In shikimic acid pathway, chorismate mutase converts chorismic acid to :

- Options**
1. Carotenoids
 2. Phytol
 3. Prephenate (Prephenic acid)
 4. Gutta

Question Type : **MCQ**
Question ID : **4050363141**
Option 1 ID : **40503611451**
Option 2 ID : **40503611452**
Option 3 ID : **40503611453**
Option 4 ID : **40503611450**
Status : **Answered**
Chosen Option : 3

Q.14 Standards to be complied under D & C act - 1940 for drugs imported, manufactured, stocked and exhibited for sale or distribution are covered under :

- Options**
1. Schedule M
 2. Second Schedule
 3. First Schedule
 4. Schedule L

Question Type : **MCQ**
Question ID : **4050363151**
Option 1 ID : **40503611491**
Option 2 ID : **40503611493**
Option 3 ID : **40503611492**
Option 4 ID : **40503611490**
Status : **Answered**
Chosen Option : 1

Q.15 In colour test for alkaloids colchicine with mineral acids gives :

- Options**
1. Blue colour
 2. Red colour
 3. Yellow colour
 4. Violet colour

Question Type : **MCQ**
Question ID : **4050363142**
Option 1 ID : **40503611456**
Option 2 ID : **40503611455**
Option 3 ID : **40503611457**
Option 4 ID : **40503611454**
Status : **Answered**
Chosen Option : 2

Q.16 Nicotine from tobacco is an alkaloid which is :

- Options**
1. Oxygen free liquid
 2. Semisolid
 3. Crystalline
 4. Oxygen free solid

Question Type : **MCQ**
Question ID : **4050363140**
Option 1 ID : **40503611448**
Option 2 ID : **40503611447**
Option 3 ID : **40503611446**
Option 4 ID : **40503611449**
Status : **Answered**
Chosen Option : 1

Q.17 In solid-solid mixing, large scale continuous type of mixer is :

- Options**
1. Sigma blender
 2. Ribbon blender
 3. Zigzag blender
 4. Twin shell blender

Question Type : **MCQ**

Question ID : **4050363157**

Option 1 ID : **40503611514**

Option 2 ID : **40503611516**

Option 3 ID : **40503611515**

Option 4 ID : **40503611517**

Status : **Answered**

Chosen Option : **3**

Q.18 Which one of the following is **not** affected in respiratory tuberculosis ?

- Options**
1. Pleural cavity
 2. Mediastinal lymph nodes
 3. Pericardium
 4. Larynx

Question Type : **MCQ**

Question ID : **4050363138**

Option 1 ID : **40503611438**

Option 2 ID : **40503611439**

Option 3 ID : **40503611441**

Option 4 ID : **40503611440**

Status : **Answered**

Chosen Option : **3**

Q.19 Identify phase of clinical trial having following features :

- (A) Trial is conducted on about 3000 patients
- (B) Purpose of trial is therapeutic confirmation
- (C) Safety and tolerability is evaluated on wider scale
- (D) Completion of trial is followed by New Drug Application (NDA)

Options 1. Phase - III

2. Phase - I

3. Phase - IV

4. Phase - II

Question Type : **MCQ**

Question ID : **4050363137**

Option 1 ID : **40503611436**

Option 2 ID : **40503611434**

Option 3 ID : **40503611437**

Option 4 ID : **40503611435**

Status : **Answered**

Chosen Option : **4**

Q.20 Which of the following Microorganism is used for the effective synthesis of interferon ?

Options 1. *Micrococcus Luteus*

2. *Bacillus Subtilis*

3. *Saccharomyces Cerevisiae*

4. *Pseudomonas Aureginosa*

Question Type : **MCQ**

Question ID : **4050363153**

Option 1 ID : **40503611501**

Option 2 ID : **40503611499**

Option 3 ID : **40503611498**

Option 4 ID : **40503611500**

Status : **Answered**

Chosen Option : **1**

Q.21 In yarn, the presence of, irregular arrangement of the fibres, the ends of which often project from the surface is because of :

- Options**
1. Absence of linters
 2. Absence of combing
 3. Presence of impurities
 4. Improper drying

Question Type : **MCQ**
Question ID : **4050363148**
Option 1 ID : **40503611480**
Option 2 ID : **40503611478**
Option 3 ID : **40503611481**
Option 4 ID : **40503611479**
Status : **Answered**
Chosen Option : **4**

Q.22 In International organization for standardization (ISO), standard pertaining to quality system model for quality assurance in production, installation and servicing is given under :

- Options**
1. ISO 9002
 2. ISO 9000
 3. ISO 9001
 4. ISO 9004

Question Type : **MCQ**
Question ID : **4050363158**
Option 1 ID : **40503611520**
Option 2 ID : **40503611518**
Option 3 ID : **40503611519**
Option 4 ID : **40503611521**
Status : **Answered**
Chosen Option : **3**

Q.23 In Aloe the mucilage containing parenchymatous cells are present in :

- Options**
1. Central parenchymatous region
 2. Pericyclic cells
 3. Epidermis
 4. Vascular bundles

Question Type : **MCQ**
Question ID : **4050363146**
Option 1 ID : **40503611471**
Option 2 ID : **40503611473**
Option 3 ID : **40503611470**
Option 4 ID : **40503611472**
Status : **Answered**
Chosen Option : **1**

Q.24 Mechanical digestion in mouth in which food is mixed with saliva is _____ and the movement of food from mouth into the stomach is _____.

- Options**
1. Mastication; deglutition
 2. Deglutition; propulsion
 3. Segmentation; mastication
 4. Segmentation; propulsion

Question Type : **MCQ**
Question ID : **4050363133**
Option 1 ID : **40503611419**
Option 2 ID : **40503611418**
Option 3 ID : **40503611420**
Option 4 ID : **40503611421**
Status : **Answered**
Chosen Option : **2**

Q.25 The Crystal form of Sulphacetamide is :

- Options**
1. Rhombohedral
 2. Orthorhombic
 3. Monoclinic
 4. Triclinic

Question Type : **MCQ**
Question ID : **4050363155**
Option 1 ID : **40503611508**
Option 2 ID : **40503611506**
Option 3 ID : **40503611509**
Option 4 ID : **40503611507**
Status : **Not Answered**
Chosen Option : **--**

Q.26 As per the definition of D & C Act, Gudakhu (rubbed against human teeth) is considered as :

- Options**
1. Food
 2. Drug
 3. Sweetening gum
 4. Cosmetic

Question Type : **MCQ**
Question ID : **4050363149**
Option 1 ID : **40503611484**
Option 2 ID : **40503611482**
Option 3 ID : **40503611485**
Option 4 ID : **40503611483**
Status : **Answered**
Chosen Option : **4**

Q.27 The fundamental principle "Law of similia" falls under which therapy ?

- Options**
1. Ayurveda
 2. Siddha
 3. Homoeopathy
 4. Aroma therapy

Question Type : **MCQ**

Question ID : **4050363139**

Option 1 ID : **40503611442**

Option 2 ID : **40503611445**

Option 3 ID : **40503611444**

Option 4 ID : **40503611443**

Status : **Answered**

Chosen Option : **3**

Q.28 Dragendorff's reagent is :

- Options**
1. Potassium iodate
 2. Potassium bismuth iodide
 3. Potassium mercuric iodide
 4. Potassium picrate

Question Type : **MCQ**

Question ID : **4050363147**

Option 1 ID : **40503611477**

Option 2 ID : **40503611474**

Option 3 ID : **40503611475**

Option 4 ID : **40503611476**

Status : **Answered**

Chosen Option : **2**