

Banaras Hindu University

Question Paper Name: 487 24th May 2019 Shift 1
Subject Name: 487
Creation Date: 2019-05-24 13:32:45
Duration: 120
Total Marks: 360
Display Marks: Yes
Share Answer Key With Delivery Engine: Yes
Actual Answer Key: Yes

MSc Biochemistry

Group Number : 1
Group Id : 54310781
Group Maximum Duration : 0
Group Minimum Duration : 120
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 360

MSc Biochemistry

Section Id : 543107152
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 120
Number of Questions to be attempted: 120
Section Marks: 360
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 543107198
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 54310710007 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Henderson-Hasselbalch equation is :

Options :

1. $pH = pK_a + \log \frac{[Salt]}{[Acid]}$

2. $pH = pK_a + \log \frac{[Acid]}{[Base]}$

3. $pH = pK_a + \log \frac{[Acid]}{[Salt]}$

4. $pH = pK_a + \log \frac{[Salt]}{[Base]}$

Question Number : 2 Question Id : 54310710008 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

One of the following shows bioluminescence :

Options :

1. Copepod
2. Dinoflagellates
3. Brown Algae
4. Red Algae

Question Number : 3 Question Id : 54310710009 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

An anticancer agent, taxol, prevents cell division because it :

Options :

1. Inhibits microtubule polymerization
2. Solubilises microtubule
3. Inhibits DNA replication
4. Inhibits cytokinesis

Question Number : 4 Question Id : 54310710010 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In eukaryotes, the distinction in coding for the start and other Methionine is
made by :

Options :

1. eIF1

2. eIF2

3. eIF4

4. eIF6

Question Number : 5 Question Id : 54310710011 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The Unit of turnover number (K_{cat}) is :

Options :

1. Second^{-1}

2. mM^{-1}

3. mgL^{-1}

4. $\text{mM}^{-1}\text{ml}^{-1}$

Question Number : 6 Question Id : 54310710012 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Fever causing substances released by activated white blood cells are called :

Options :

1. Antigens

2. Antibodies

3. Activators

4. Pyrogens

Question Number : 7 Question Id : 54310710013 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In which of the following compounds C-H bond length is minimum ?

Options :

1. Ethane
2. Ethene
3. 1, 2-dichloroethene
4. 1, 2-dichloroethane

Question Number : 8 Question Id : 54310710014 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Any atom or group of atoms that contain single electron is called as :

Options :

1. Compound
2. Ions
3. Free radical
4. Radical

Question Number : 9 Question Id : 54310710015 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

During replication the primer used for synthesis of a new DNA chain is :

Options :

1. RNA
2. DNA
3. DNA or RNA
4. A small polypeptide

Question Number : 10 Question Id : 54310710016 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Allred and Rochow defined one of the following :

Options :

1. Electropositivity
2. Electronegativity
3. Atomic size
4. Magnetic property

Question Number : 11 Question Id : 54310710017 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The smallest known aerobic prokaryotes without a cell wall are called as :

Options :

1. Mycoplasma
2. Virus
3. Viroids
4. Nostoc

Question Number : 12 Question Id : 54310710018 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Most of the water soluble vitamins are used as :

Options :

1. Substrate
2. Activator
3. Coenzymes
4. Non-competitive inhibitor

Question Number : 13 Question Id : 54310710019 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The denaturation of enzymes refers to :

Options :

1. Disintegration of peptide bonds
2. Loss of weak bond forces
3. Folding of proteins
4. Removal of amino group from proteins

Question Number : 14 Question Id : 54310710020 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

One of the following is not a parasite :

Options :

1. *Gnetum trinerve*
2. *Loa loa*
3. *Pisum sativum*
4. *Plasmodium vivax*

Question Number : 15 Question Id : 54310710021 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The ribose sugar in DNA is attached to purine bases at the position :

Options :

1. N-9
2. N-5
3. N-3
4. N-4

Question Number : 16 Question Id : 54310710022 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The majority of amino acids in histones in eukaryotes are :

Options :

1. Y, F, W
2. K, R
3. E, D, Q
4. A, V, I

Question Number : 17 Question Id : 54310710023 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

'Chloride shift' in blood is required for the transport of :

Options :

1. O₂
2. Ammonia
3. Urea
4. CO₂

Question Number : 18 Question Id : 54310710024 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The highly low pH of gastric juice is :

Options :

1. Bacteriostatic in nature
2. Fungicidal in nature
3. Viricidal in nature
4. Nematicidal in nature

Question Number : 19 Question Id : 54310710025 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

One of the following is *true* :

Options :

1. Apoenzyme – coenzyme = holoenzyme
2. Apoenzyme = holoenzyme
3. Apoenzyme + coenzyme = holoenzyme
4. Coenzyme = holoenzyme

Question Number : 20 Question Id : 54310710026 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In liver, the glycogen breaks down to glucose but in muscle it breaks down to :

Options :

1. Glucose
2. Fructose
3. Mannose
4. Lactic acid

Question Number : 21 Question Id : 54310710027 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Honey primarily contains :

Options :

1. Ribose, Mannose
2. Glucose
3. Glucose and fructose
4. Fructose

Question Number : 22 Question Id : 54310710028 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

One of the following is *not* an enzyme :

Options :

1. Renin
2. Trypsin
3. Amylose
4. Lipase

Question Number : 23 Question Id : 54310710029 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Hybridoma cells are :

Options :

1. Fused lymphocytes and malignant cells
2. Fused lymphocytes and myeloma cells
3. Fused lymphocytes and malignant myeloma cells
4. Fused erythrocytes and malignant cells

Question Number : 24 Question Id : 54310710030 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Endorphin is a :

Options :

1. Protein
2. Lipid
3. Carbohydrate
4. Nucleic acid

Question Number : 25 Question Id : 54310710031 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The percentage of protein into HDL is :

Options :

1. 10%
2. 50%
3. 20%
4. 35%

Question Number : 26 Question Id : 54310710032 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Oxidative stress is caused due to :

Options :

1. Production of excessive free radicals
2. Indigestion
3. Production of excessive HCL in stomach
4. Low BMR

Question Number : 27 Question Id : 54310710033 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A single stranded DNA or RNA molecule used to detect the presence of a complementary nucleic acid is called :

Options :

1. Insert
2. Sensor
3. Probe
4. Detector

Question Number : 28 Question Id : 54310710034 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Dicer acts like a :

Options :

1. Nucleic acid
2. Enzyme
3. Complex carbohydrate
4. Antibiotic

Question Number : 29 Question Id : 54310710035 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Collagen is rich in :

Options :

1. Histidine
2. Hydroxyproline
3. Tryptophan
4. Alanine

Question Number : 30 Question Id : 54310710036 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which is the most abundant polysaccharides as a strengthening substance among cell walls of organisms ?

Options :

1. Murein
2. Chitin
3. Hemicellulose

4. Pectins

Question Number : 31 Question Id : 54310710037 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which among the following organisms is a link between plant cell and an animal cell ?

Options :

1. Amoeba
2. Paramecium
3. Euglena
4. Cyanobacteria

Question Number : 32 Question Id : 54310710038 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The smallest cytoplasmic organelle microsomes/microbodies of eukaryotic cell function is mainly related with :

Options :

1. Translation
2. Transport of proteins
3. Digestion of macromolecules

Detoxification with the help of membrane associated mixed function

4. oxidases

Question Number : 33 Question Id : 54310710039 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Vascular system of animals is associates with blood due to its major function related to :

Options :

1. Oxygen transport by specialized cells of blood tissue

2. T-cells response
3. B-cells response
4. Inflammatory reactions

Question Number : 34 Question Id : 54310710040 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

What is precipitin ?

Options :

1. Antibody
2. Lipid molecule
3. Nucleic acid
4. Polysaccharide

Question Number : 35 Question Id : 54310710041 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The term buffycoat is associated with :

Options :

1. Leukocytes
2. Plasma of blood
3. Clot of blood
4. Platelets of blood

Question Number : 36 Question Id : 54310710042 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which is nonprotein amino acid ?

Options :

1. Glycine

2. Ornithine
3. Aspartic acid
4. Arginine

Question Number : 37 Question Id : 54310710043 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Phospholipids are :

Options :

1. Hydrophilic
2. Hydrophobic
3. Amphipathic
4. Basic

Question Number : 38 Question Id : 54310710044 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Biomolecules, which is *not* a polymer out of biomolecules written below ?

Options :

1. Carbohydrates
2. Lipids
3. Proteins
4. Nucleic acids

Question Number : 39 Question Id : 54310710045 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Isoelectrofocussing is related with electrophoresis of macromolecules, it is used to focus moving charged macromolecules on their equilibrium position in a separating gel for polypeptides in a :

Options :

1. Gradient gel of pore size
2. pH gradient gel of large pore size
3. CsCl gradient under centrifugal field
4. Discontinuous denaturing gel electrophoresis

Question Number : 40 Question Id : 54310710046 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Nucleoside does *not* yield :

Options :

1. Phosphoric acid
2. Ribose
3. Adenine
4. Cytosine

Question Number : 41 Question Id : 54310710047 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

When cell wall of a plant cell is largely removed it is called :

Options :

1. Protoplast
2. Spheroplast
3. Cytoplasm
4. Periplasm

Question Number : 42 Question Id : 54310710048 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Homozygous plants may be obtained in short span of time without self
breeding for number of generations with the help of :

Options :

Production of haploid plants regenerated indirectly from pollen grains or

1. microspores of flowering plants culture upon growth medium
2. Indirect regeneration through diploid callus
3. Direct regeneration through haploid callus
4. Fertilized ovule culture

Question Number : 43 Question Id : 54310710049 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Histotypic culture of animal cell culture methods is being used for :

Options :

1. Mass production of monoclonal antibodies
2. Formation of organs
3. Studying the drug activities
4. Viral vaccines

Question Number : 44 Question Id : 54310710050 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

CO₂ incubator is essentially required for :

Options :

1. Plant cell culture
2. Bacterial cell culture broth
3. Animal cell culture
4. Large scale culture of Fungi

Question Number : 45 Question Id : 54310710051 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The technology that would be utilized to repair damage in animal tissue and organ through cells in culture is :

Options :

1. Production of three dimensional tissues
2. Cell cloning and micromanupulation
3. Cell transformation
4. Organ culture

Question Number : 46 Question Id : 54310710052 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Whey protein is related with :

Options :

1. Dairy products
2. Fish products
3. Poultry products
4. Crops residual products

Question Number : 47 Question Id : 54310710053 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Lecithin is a :

Options :

1. Protein molecule
2. Lipid molecule
3. Vitamin molecule
4. Carbohydrate molecule

Question Number : 48 Question Id : 54310710054 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which vitamin out of following is famous for highest dose of recommended dietary/daily allowance ?

Options :

1. Vitamin B₁
2. Vitamin C
3. Vitamin A
4. Vitamin K

Question Number : 49 Question Id : 54310710055 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The name coenzyme refers to the :

Options :

1. Nonprotein inorganic
2. Nonprotein organic
3. Inactive peptide
4. Active peptide

Question Number : 50 Question Id : 54310710056 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which is *not* the product of glucose fermentation ?

Options :

1. Ethanol
2. Lactate
3. CO₂
4. Pyruvate

Question Number : 51 Question Id : 54310710057 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Biochemical reactions are governed by :

Options :

1. Change in enthalpy denoted by (H)
2. Change in Gibb's free energy denoted by (G)
3. Change in entropy denoted by (S)
4. Change in Hamiltonian (H) free energy denoted by (A)

Question Number : 52 Question Id : 54310710058 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Glutathione is a tripeptide and essential in biological systems for detoxification produced from :

Options :

1. γ -glutamyl cycle
2. Glyoxalate cycle
3. TCA cycle
4. Process of translation

Question Number : 53 Question Id : 54310710059 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which out of the following is the measure of membrane damage ?

Options :

1. Malondialdehyde : $\text{CH}_2(\text{CH}_2\text{O})_2$ test
2. Ames test
3. Hans test
4. Benedict test

Question Number : 54 Question Id : 54310710060 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Fibrinogen is present in :

Options :

1. Serum
2. Plasma
3. Lymph
4. Coelome

Question Number : 55 Question Id : 54310710061 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The term attenuation is coined by collaborated efforts of E. Roux and L. Pasteur

could lead the concept of :

Options :

1. Preventive Vaccination
2. Preventive Medicine
3. Experimental Medicine
4. Clinical Biochemistry

Question Number : 56 Question Id : 54310710062 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which among the following DNA repair systems is related to post replication

repair system ?

Options :

1. Direct repair
2. Nucleotide excision repair
3. Recombination repair

4. Mismatch repair

Question Number : 57 Question Id : 54310710063 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Chromatids are related with followings except :

Options :

1. Each homologous chromosome
2. Crossing over
3. Mitotic spindle protein
4. Linear bacterial chromosome

Question Number : 58 Question Id : 54310710064 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which among the following compounds is *not* a ketone body ?

Options :

1. Acetone
2. Acetyl CoA
3. Beta-hydroxybutyrate
4. Acetoacetate

Question Number : 59 Question Id : 54310710065 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

An example of a fruit with drupe characteristics is :

Options :

1. Tomato
2. Mango
3. Groundnut

4. Orange

Question Number : 60 Question Id : 54310710066 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

An example of exocrine gland

Options :

1. Sweat gland in integumentary system

2. Sex gland

3. Pineal gland

4. Pancreatic gland

Question Number : 61 Question Id : 54310710067 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Transitional zone between two adjacent habitats is termed as :

Options :

1. Ecosphere

2. Ecological niche

3. Transient ecosystem

4. Ecotone

Question Number : 62 Question Id : 54310710068 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Three mode of bacterial genetics include all written below except :

Options :

1. Conjugation

2. Transformation

3. Transduction

4. Transposons

Question Number : 63 Question Id : 54310710069 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which is the correct name of a compound $\text{Fe}(\text{NO}_3)_3$?

Options :

1. Iron nitrate
2. Iron (III nitrate)
3. Iron (II nitrate)
4. Iron nitrite

Question Number : 64 Question Id : 54310710070 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In order to identify the characteristics of a chemical reaction, the information
are obtained from :

Options :

1. Reactants on the left side of arrows
2. Products on the right side of arrow
3. State of reactants and products
4. Balanced chemical equation

Question Number : 65 Question Id : 54310710071 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The molecular weight of proteins can be determined by :

Options :

1. Hydrophobic-interaction chromatophy
2. Gel filtration

3. Affinity-interaction chromatography

4. Ion exchange chromatography

Question Number : 66 Question Id : 54310710072 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is called "Botanical Drosophila" or "Botanical worm" ?

Options :

1. Chlamydomonas

2. Penicillium

3. Arabidopsis

4. Candida

Question Number : 67 Question Id : 54310710073 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The α -helical structure in proteins is stabilized by :

Options :

1. Ionic interactions

2. Nonpolar interactions

3. Covalent bonds and hydrogen bond

4. Polar interactions

Question Number : 68 Question Id : 54310710074 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following reagents is used for quantification of protein ?

Options :

1. Barfoed's reagent

2. Biuret reagent

3. Orcinol reagent
4. Dinitrosalicylate reagent

Question Number : 69 Question Id : 54310710075 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A substance which can bind to an antibody but itself cannot elicit an immune response is called ?

Options :

1. Adjuvant
2. Hapten
3. Antigen
4. Allergen

Question Number : 70 Question Id : 54310710076 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Most of naturally occurring proteins consists of :

Options :

1. D-forms of amino acids
2. L-forms of amino acids
3. Racemic mixtures of amino acids
4. D and L-forms in equal ratio

Question Number : 71 Question Id : 54310710077 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Active immunity is *not* acquired by :

Options :

1. Infection
2. Immuno globulin transfer

3. Subclinical infection

4. Vaccination

Question Number : 72 Question Id : 54310710078 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Liver does *not* produce :

Options :

1. Albumin

2. Gamma globulin

3. Prothrombin

4. Fibrinogen

Question Number : 73 Question Id : 54310710079 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

T-cells are identified by :

Options :

1. Rosette formation with sheep RBC

2. EAC rosettes with sheep erythrocytes

3. Immunoglobulins on their surface

4. Have filamentous projections on their surface

Question Number : 74 Question Id : 54310710080 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Melatonin is synthesized from :

Options :

1. Phenylalanine

2. Histidine

3. Leucine

4. Tryptophan

Question Number : 75 Question Id : 54310710081 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Galactosaemia commonly is due to deficiency of :

Options :

1. Galactose-1-phosphate uridylyltransferase
2. Galactose-1-phosphatase
3. Glucose-1-phosphatase
4. Glucose-6-phosphatase

Question Number : 76 Question Id : 54310710082 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one of the following enzyme is used as an anti-cancer drug ?

Options :

1. Streptokinase
2. Papain
3. Alfa-1-antitrypsin
4. Asparaginase

Question Number : 77 Question Id : 54310710083 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Structurally uric acid is :

Options :

1. 6-oxypurine
2. 2, 6-dioxypurine
3. 2, 6, 8-trioxypurine
4. 6, 8-dioxypurine

Question Number : 78 Question Id : 54310710084 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Dietary requirement of thiamine increases with the higher intake of :

Options :

1. Carbohydrates
2. Proteins
3. Lipids
4. Polyunsaturated fatty acids

Question Number : 79 Question Id : 54310710085 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one of the following enzyme is dependent on NADP⁺ ?

Options :

1. Glucose-6-phosphate dehydrogenase
2. Malate dehydrogenase
3. Glyceraldehyde-3-phosphate dehydrogenase
4. β -hydroxy butyrate dehydrogenase

Question Number : 80 Question Id : 54310710086 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Biotin takes part in which one of the following types of reactions :

Options :

1. Transamination
2. Carboxylation
3. Decarboxylation
4. Deamination

Question Number : 81 Question Id : 54310710087 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Albinism results due to deficiency of :

Options :

1. Phenylalanine hydroxylase
2. Homogentisic acid oxidase
3. Tyrosinase
4. Xanthine oxidase

Question Number : 82 Question Id : 54310710088 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Ammonia in the brain is converted into :

Options :

1. Urea
2. Creatinine
3. Glutamine
4. Glutamic acid

Question Number : 83 Question Id : 54310710089 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Specific dynamic action of foodstuffs is maximum in :

Options :

1. Proteins
2. Carbohydrates
3. Fats
4. Vitamins

Question Number : 84 Question Id : 54310710090 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The cellular organelle that stores peroxidases is :

Options :

1. Lysosomes
2. Peroxisomes
3. Microsomes
4. Mitochondria

Question Number : 85 Question Id : 54310710091 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The antibody that mediates the hypersensitivity reactions and anaphylaxis is :

Options :

1. Ig G
2. Ig M
3. Ig A
4. Ig E

Question Number : 86 Question Id : 54310710092 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A bilipid layer is most permeable to :

Options :

1. Sodium
2. Potassium
3. Glucose
4. Urea

Question Number : 87 Question Id : 54310710093 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The major chunk of inhaled oxygen is utilized by the mitochondria to operate :

Options :

1. Glycolysis
2. Fatty acid synthesis
3. β -oxidation
4. Electron transport chain

Question Number : 88 Question Id : 54310710094 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Iron-sulphur proteins are components of :

Options :

1. Citric acid cycle
2. Respiratory chain
3. ATP synthase
4. β -oxidation

Question Number : 89 Question Id : 54310710095 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Cholesterol from the liver is transported to the tissues mainly by :

Options :

1. LDL
2. VLDL
3. HDL
4. Chylomicron

Question Number : 90 Question Id : 54310710096 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The amino acid that can be converted into vitamin is :

Options :

1. Lysine
2. Glycine
3. Phenylalanine
4. Tryptophan

Question Number : 91 Question Id : 54310710097 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one of the following is a neurotransmitter ?

Options :

1. Glutamine
2. Glutathione
3. Serine
4. Aspartate

Question Number : 92 Question Id : 54310710098 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Limiting factor for fatty acid synthesis is :

Options :

1. Acetoacetate synthetase
2. Acetyly CoA carboxylase
3. Acyl transferase
4. Biotin

Question Number : 93 Question Id : 54310710099 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In glycolysis which one of the following ions is most important ?

Options :

1. Calcium
2. Magnesium
3. Copper
4. Zinc

Question Number : 94 Question Id : 54310710100 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Gluconeogenesis occurs predominantly in the :

Options :

1. Brain
2. Liver
3. Adipose tissue
4. Skeletal muscle

Question Number : 95 Question Id : 54310710101 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Most of the body glycogen stores are present in :

Options :

1. Liver
2. Brain
3. Skeletal muscle
4. Adipose tissue

Question Number : 96 Question Id : 54310710102 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Transketolase is dependent on which one of the following coenzyme :

Options :

1. Coenzyme A
2. NAD⁺
3. Tetrahydrofolate
4. TPP

Question Number : 97 Question Id : 54310710103 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Fluoride ions act by inhibiting :

Options :

1. Enolase
2. Hexokinase
3. Cytochrome oxidase
4. Carbonic anhydrase

Question Number : 98 Question Id : 54310710104 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one of the following enzymes is known as a suicidal enzyme ?

Options :

1. Lipoyxygenase
2. Cyclooxygenase
3. Phospholipase C
4. Phospholipase D

Question Number : 99 Question Id : 54310710105 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The product of tryptophan metabolism which is known to induce sleep is :

Options :

1. Serotonin
2. Melatonin
3. NAD⁺
4. NADP⁺

Question Number : 100 Question Id : 54310710106 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The predominant buffer system of plasma is :

Options :

1. Albumin buffer
2. Bicarbonate buffer
3. Hemoglobin buffer
4. Phosphate buffer

Question Number : 101 Question Id : 54310710107 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one of the following is a tumor suppressor gene ?

Options :

1. RAS
2. p53
3. ERB-B
4. ABL

Question Number : 102 Question Id : 54310710108 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one of the following enzyme has an intrinsic proof-reading activity ?

Options :

1. DNA polymerase
2. RNA polymerase
3. DNA topoisomerase
4. DNA helicase

Question Number : 103 Question Id : 54310710109 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Holliday junction is capable of :

Options :

1. Moving upstream
2. Moving downstream
3. Moving in either direction
4. Not moving and staying static

Question Number : 104 Question Id : 54310710110 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The total number of codons in the genetic code is :

Options :

1. 16
2. 4
3. 64
4. 128

Question Number : 105 Question Id : 54310710111 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Amino acid to tRNA is linked through the enzyme :

Options :

1. Peptidyl transferase
2. Telomerase
3. Aminotransferase
4. Aminoacyl t-RNA synthetase

Question Number : 106 Question Id : 54310710112 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The total number of high-energy phosphates expended for inserting one amino acid into the polypeptide during translation is :

Options :

1. 2
2. 4
3. 8
4. 16

Question Number : 107 Question Id : 54310710113 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Reduction of glucose with calcium in water produces :

Options :

1. Acetic acid
2. Glucuronic acid
3. Mannitol

4. Sorbitol

Question Number : 108 Question Id : 54310710114 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Structure of proteins is best studied by :

Options :

1. X-ray crystallography
2. Ultra centrifugation
3. Using Sanger's reagent
4. Sucrose density gradient centrifugation

Question Number : 109 Question Id : 54310710115 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The separation of molecules based on their size, shape and molecular weight is
done by :

Options :

1. Ion-exchange chromatography
2. Adsorption chromatography
3. Gel filtration chromatography
4. Affinity chromatography

Question Number : 110 Question Id : 54310710116 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Electrolyte analysis is carried out by :

Options :

1. Colorimetry
2. Flame photometry

3. Fluorimetry

4. Spectrophotometry

Question Number : 111 Question Id : 54310710117 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Antigen binding site of the antibody is :

Options :

1. Idiotope

2. Paratope

3. Epitope

4. Haptens

Question Number : 112 Question Id : 54310710118 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The first compound produced by recombinant DNA technology was :

Options :

1. Insulin

2. Growth hormone

3. Glucagon

4. Thyroxine

Question Number : 113 Question Id : 54310710119 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one of the following hormone has an impact on body temperature :

Options :

1. Estradiol

2. Progesterone
3. Estriol
4. Human chorionic gonadotropin (hCG)

Question Number : 114 Question Id : 54310710120 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The terminal processing of the carbohydrate portion of glycoproteins occurs in
the :

Options :

1. Mitochondria
2. Golgi complex
3. Plasma membrane
4. Lysosomes

Question Number : 115 Question Id : 54310710121 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The primary protein responsible for iron homeostasis is :

Options :

1. Ceruloplasmin
2. Metallothionein
3. Transferrin
4. Ferritin

Question Number : 116 Question Id : 54310710122 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The enzyme deficiency which was first corrected by gene therapy is :

Options :

1. Adenosine deaminase

2. HGPRTase
3. APTase
4. Glucose-6-phosphatase

Question Number : 117 Question Id : 54310710123 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Phagocytosis involves :

Options :

1. Respiratory bursts
2. Lipid peroxidation
3. Endosmosis
4. Alpha oxidation

Question Number : 118 Question Id : 54310710124 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Sodium-potassium pump is inhibited by :

Options :

1. Phlorizin
2. Digoxin
3. Valinomycin
4. Dicumarol

Question Number : 119 Question Id : 54310710125 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Lectins are :

Options :

1. Animal proteins having specific amino acids binding site

2. Antibody molecules acting against cells
3. Plant proteins having specific carbohydrate binding site
4. Blood proteins having a lecithin group

Question Number : 120 Question Id : 54310710126 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Transfection in recombinant DNA technology involves :

Options :

1. Isolation of desired genes
2. Formation of chimeric DNA
3. Uptake of chimeric DNA
4. Isolation of vector