

Question Paper Preview

Degree College Lecturers (Notification No: 26/2016) Question Paper with Official Key

Notations :

- Options shown in green color and with ✓ icon are correct.
- Options shown in red color and with ✗ icon are incorrect.

Question Paper Name:	Bio Technology 7th June 2017 Shift 1
Subject Name:	Bio Technology
Creation Date:	2017-06-07 16:57:02
Duration:	150
Total Marks:	300
Display Marks:	No
Calculator:	Scientific
Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required?:	No
Rough Sketch/Notepad Required?:	No
Protractor Required?:	No

Bio Technology

Group Number :	1
Group Id :	798407156
Group Maximum Duration :	0
Group Minimum Duration :	150
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	300

Bio Technology

Section Id :	798407156
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	150
Number of Questions to be attempted:	150
Section Marks:	300
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	798407192
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 79840723287 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Which of the following are true for all sets of data.

Options :

- ✗ Arithmetic mean \leq Median \leq Mode
- ✓ Arithmetic mean \geq Median \geq Mode
- ✗ Arithmetic mean = Median = Mode
- ✗ Arithmetic mean \geq Median = Mode

Question Number : 2 Question Id : 79840723288 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The software used for processing genetic reconstitution frequencies in RFLP is _____.

Options :

- ✗ Linkage
- ✗ Cluster analysis
- ✗ Docking
- ✓ MAPMAKER

Question Number : 3 Question Id : 79840723289 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the gene used as a selectable and scorable marker for transfer of genes to produce transgenic plants.

Options :

- ✓ Neomycin phosphotransferase gene
- ✗ β - galactosidase gene
- ✗ Luciferase gene
- ✗ Chloramphenicol acetyl transferase gene

Question Number : 4 Question Id : 79840723290 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is not used for the production of haploid plants.

Options :

- ✗ Chloramphenicol
- ✓ DMSO
- ✗ PFFA
- ✗ Colchine

Question Number : 5 Question Id : 79840723291 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ virus is needed to induce fusion of protoplasts

Options :

- ✗ Rhabdo
- ✓ Sendai
- ✗ Baculo
- ✗ Adeno

Question Number : 6 Question Id : 79840723292 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Find out the absolute measure of skewness if the arithmetic mean value is 70 and mode is 60.

Options :

- ✘ 65
- ✔ 10
- ✘ -10
- ✘ -65

Question Number : 7 Question Id : 79840723293 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ stimulates somatic embryogenesis.

Options :

- ✔ Casein hydrolysate
- ✘ Cytokins
- ✘ Auxins
- ✘ Hydroquinone

Question Number : 8 Question Id : 79840723294 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

In somatic hybridization iodoacetamide is used to _____ mitochondria.

Options :

- ✘ Activate
- ✘ Neutralize
- ✔ Inactivate
- ✘ Destroy

Question Number : 9 Question Id : 79840723295 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the catalytic amino acid residue of lysozyme.

Options :

- ✘ Tryptophan 62
- ✘ Serine 57
- ✘ Histidine 24
- ✔ Glutamic acid 35

Question Number : 10 Question Id : 79840723296 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ cell surface glycoproteins mediate the specific recognition between leucocytes and endothelial cells.

Options :

- ✔ Selectins
- ✘ Fibronectins
- ✘ Spectrins

4. ✖ Porins

Question Number : 11 Question Id : 79840723297 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the method used to construct the phylogenetic tree using rRNA sequence.

Options :

1. ✖ Cluster analysis
2. ✔ Distance matrix
3. ✖ Similarity matrix
4. ✖ Docking

Question Number : 12 Question Id : 79840723298 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the mechanism by which the host bacterial cell takes up naked DNA.

Options :

1. ✔ Transformation
2. ✖ Transduction
3. ✖ Transgenesis
4. ✖ Sexduction

Question Number : 13 Question Id : 79840723299 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is a secondary metabolite used for antitumor activity.

Options :

1. ✔ Vincristine
2. ✖ Cephalotoxin
3. ✖ Beriberine
4. ✖ Gibberlins

Question Number : 14 Question Id : 79840723300 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Cybrids are hybrids in which _____.

Options :

1. ✖ the cytoplasm is derived from the maternal parent
2. ✖ nucleus and cytoplasm are derived from both the parents
3. ✔ the nucleus derived from one parent and the cytoplasm from both the parents
4. ✖ the cytoplasm is derived from paternal parent

Question Number : 15 Question Id : 79840723301 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ are the pigments that give colour to flowers and fruits.

Options :

1. ✖ Alkaloids
2. ✖ Carotenoids
3. ✔ Flavonoids

4. ✘ Chromophylls

Question Number : 16 Question Id : 79840723302 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Allergic antibody is

Options :

1. ✘ Ig A
2. ✘ Ig G
3. ✔ Ig E
4. ✘ Ig D

Question Number : 17 Question Id : 79840723303 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

..... is the basic nature of pyridines.

Options :

1. ✘ Anticancer
2. ✘ Anti-tumor
3. ✘ Tumor promotion
4. ✔ Cytotoxic

Question Number : 18 Question Id : 79840723304 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

..... are the filters used in laminar air flow.

Options :

1. ✔ HEPA filters
2. ✘ HAPA filters
3. ✘ HOPE filters
4. ✘ HEPE filters

Question Number : 19 Question Id : 79840723305 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Type III HSR is mediated by

Options :

1. ✘ Ig D
2. ✘ Ig G
3. ✘ Ig E
4. ✔ Immune complexes

Question Number : 20 Question Id : 79840723306 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

..... is the metabolic products of pyruvate in higher organisms.

Options :

1. ✘ Glycerol, Acetyl Co A
2. ✔ acetyl CoA
3. ✘ Acetone, ethanol

4. ✘ Glycerol, Ethanol

Question Number : 21 Question Id : 79840723307 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ PCR uses two sets of primers in two successive reactions.

Options :

1. ✘ Asymmetrical
2. ✘ Hot-start
3. ✔ Nested
4. ✘ Inverse

Question Number : 22 Question Id : 79840723308 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the precursor of reserpine.

Options :

1. ✘ Mevalonic acid
2. ✔ Tryptophan
3. ✘ Phenyl alanine
4. ✘ Tyrosine

Question Number : 23 Question Id : 79840723309 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The regression equation of y and x is expressed as follows

Options :

1. ✘ $x = a + by$
2. ✔ $y = a + bx$
3. ✘ $x = a - by$
4. ✘ $y = a - bx$

Question Number : 24 Question Id : 79840723310 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the major product of the fatty acid synthetase complex in mammals.

Options :

1. ✘ Oleate
2. ✘ Stearate
3. ✘ Linoleate
4. ✔ Palmitate

Question Number : 25 Question Id : 79840723311 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ virus is extensively used as cloning vector in recombinant DNA technology.

Options :

1. ✘ TMA
2. ✔ Lambda phage
3. ✘ Adenovirus

4. ✘ M 13

Question Number : 26 Question Id : 79840723312 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The end product of purine catabolism in human beings is _____.

Options :

1. ✘ Urea
2. ✔ Uric acid
3. ✘ Creatine
4. ✘ Xanthine

Question Number : 27 Question Id : 79840723313 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ genotype is in coupling phase.

Options :

1. ✔ rt/RT
2. ✘ RT / rt
3. ✘ rr/RT
4. ✘ RR/TT

Question Number : 28 Question Id : 79840723314 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The physiologically receptive state of a bacterial cell which is able to undergo transformation is called _____.

Options :

1. ✔ Competent
2. ✘ Inducible
3. ✘ Lysogenic
4. ✘ Activated

Question Number : 29 Question Id : 79840723315 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

In hybridoma technique myeloma cells are_____.

Options :

1. ✔ HGPRT negative
2. ✘ HGPRT positive
3. ✘ HGPRT neutral
4. ✘ HGPRT positive and negative

Question Number : 30 Question Id : 79840723316 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the recognition sequence of restriction enzyme EcoRI.

Options :

1. ✘ GTTAAC
2. ✘ GATTC

- ✘ GAATC
- ✔ GAATTC

Question Number : 31 Question Id : 79840723317 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the genetic unit that codes the amino acid sequence of a polypeptide chain.

Options :

- ✘ Recon
- ✔ Cistron
- ✘ Muton
- ✘ Regulon

Question Number : 32 Question Id : 79840723318 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

When a specific genotype at one locus suppresses the expression of another genotype at another locus is called _____.

Options :

- ✘ Complementation
- ✘ Dominance
- ✔ Epistasis
- ✘ Multiple allelism

Question Number : 33 Question Id : 79840723319 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The number of nucleotides per each turn of Z-DNA is _____.

Options :

- ✘ 6
- ✘ 10
- ✘ 11
- ✔ 12

Question Number : 34 Question Id : 79840723320 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is used for sterilization in plant tissue culture.

Options :

- ✘ Acetic acid
- ✔ Mercuric chloride
- ✘ Ammonium sulphate
- ✘ Citric acid

Question Number : 35 Question Id : 79840723321 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ connects the protoplasts of neighboring cells.

Options :

- ✘ Primordial pits

- ✘ Sclerids
- ✘ Libriform fibres
- ✔ Plasmodesmata

Question Number : 36 Question Id : 79840723322 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

A patch pump device is used to _____

Options :

- ✘ Measure the strength of an electrical gradient
- ✘ Study the properties of individual neurotransmitters
- ✘ Infuse different kinds of ions into an axon
- ✔ Deliver a drug at constant rate

Question Number : 37 Question Id : 79840723323 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ scoring matrix is used for the comparison of closely related sequences.

Options :

- ✘ BLOSUM45
- ✘ PAM 1000
- ✘ PAM 250
- ✔ PAM 1

Question Number : 38 Question Id : 79840723324 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The specific receptor for B- cell membrane is _____

Options :

- ✔ CD 19 and 20
- ✘ CD 4
- ✘ CD 25
- ✘ CD 44

Question Number : 39 Question Id : 79840723325 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Long term storage of sperms and embryos in liquid nitrogen is called _____

Options :

- ✘ Incubation
- ✔ Cryopreservation
- ✘ Invitro culture
- ✘ Cold treatment

Question Number : 40 Question Id : 79840723326 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the main function of cataphylls and hypsophylls.

Options :

- ✘ Photosynthesis

- ✘ Respiration
- ✘ Transpiration
- ✔ Protection

Question Number : 41 Question Id : 79840723327 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- proposed shot gun sequencing

Options :

- ✘ Todd Golub
- ✘ Friedrich Sanger
- ✔ Craig Venter
- ✘ Stephen Fodor

Question Number : 42 Question Id : 79840723328 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The number of genes in human genome are -----

Options :

- ✘ more than one million
- ✘ 4 mb
- ✔ approximately 30,000
- ✘ 46

Question Number : 43 Question Id : 79840723329 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- enzyme is used to cleave the loop after synthesis of second strand of c-DNA.

Options :

- ✘ RNase H
- ✘ RNase A
- ✘ DNase H
- ✔ S1 Nuclease

Question Number : 44 Question Id : 79840723330 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

nif gene is first isolated from -----

Options :

- ✘ Azospirillum
- ✘ Rhizobium
- ✔ Klebsiella
- ✘ Franleia

Question Number : 45 Question Id : 79840723331 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- enzyme acts as an antioxidant in oxidative stress.

Options :

- ✘ Amylase

- ✘ Catalase
- ✘ PEP ase
- ✔ Peroxidase

Question Number : 46 Question Id : 79840723332 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The value of correlation coefficient ranges between

Options :

- ✘ 0 to 1
- ✘ -1 to +10
- ✔ -1 to +1
- ✘ 0 to 10

Question Number : 47 Question Id : 79840723333 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is used for the purification of antigens.

Options :

- ✔ Affinity chromatography
- ✘ Gel filtration chromatography
- ✘ Ion-exchange chromatography
- ✘ Hydrophobic Interaction chromatography

Question Number : 48 Question Id : 79840723334 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The net production of high energy phosphate bonds in aerobic glycolysis are_____ .

Options :

- ✔ 2
- ✘ 6 or 8
- ✘ 12
- ✘ 10

Question Number : 49 Question Id : 79840723335 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The function of heterocyst of cyanobacteria _____

Options :

- ✘ Photosynthesis
- ✘ Spore formation
- ✘ Gametic formation
- ✔ N₂ fixation

Question Number : 50 Question Id : 79840723336 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ technique is used to produce the multiple copies of DNA.

Options :

- ✘ Electrophoresis

- ✘ Ion exchange chromatography
- ✘ Spectrophotometer
- ✔ Polymerase chain reaction

Question Number : 51 Question Id : 79840723337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The term genomics was coined by

Options :

- ✘ H. Winkler
- ✔ Thomas Roderick
- ✘ Thomas Winker
- ✘ Sanger

Question Number : 52 Question Id : 79840723338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the alignment search tool in bioinformatics.

Options :

- ✘ BAST
- ✔ BLAST
- ✘ Cluster analysis
- ✘ Docking

Question Number : 53 Question Id : 79840723339 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is an antioxidant.

Options :

- ✘ Proline
- ✘ Citric acid
- ✔ Sorbitol
- ✘ Dimethyl sulfoxide

Question Number : 54 Question Id : 79840723340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Haemoglobin of human beings is a _____.

Options :

- ✘ Monomer
- ✘ Dimer of one α and one β - chains
- ✘ Trimer of one α and two β - chains
- ✔ Tetramer of two α and two β - chains

Question Number : 55 Question Id : 79840723341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Maleic acid occurs in the fruits of _____

Options :

- ✔ Banana

- ✘ Citrus
- ✘ Apple
- ✘ Grapes

Question Number : 56 Question Id : 79840723342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The development of embryoids in plant tissue culture is _____

Options :

- ✘ Caulogenesis
- ✘ Histogenesis
- ✘ Organogenesis
- ✔ Embryogenesis

Question Number : 57 Question Id : 79840723343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The capsules of *Bacillus anthracis* consists _____

Options :

- ✘ Hyaluronic acid
- ✔ γ - glutamyl polypeptide
- ✘ Glucose and glucosamine
- ✘ Sialic acid

Question Number : 58 Question Id : 79840723344 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Sulpha drugs inhibit the formation of folic acids by acting as a _____

Options :

- ✘ Non-competitive inhibitor
- ✘ Uncompetitive inhibitor
- ✔ Competitive inhibitor
- ✘ Irreversible inhibitor

Question Number : 59 Question Id : 79840723345 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Which of the following is true about non-competitive inhibition

Options :

- ✘ K_m increases
- ✔ V_{max} decreases
- ✘ V_{max} increases
- ✘ K_m decreases

Question Number : 60 Question Id : 79840723346 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The chemical name of thymine is _____

Options :

- ✘ 2-oxy 4 - aminopyrimidine

2. ✓ 2,4- dioxo 5- methyl pyrimidine

3. ✗ 2,4 - dioxypyrimidine

4. ✗ 2,4-enoic acid

Question Number : 61 Question Id : 79840723347 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

An antibacterial antibiotic is _____

Options :

1. ✓ Tetracycline

2. ✗ Streptomycine

3. ✗ Pencilin

4. ✗ Nystatin

Question Number : 62 Question Id : 79840723348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The number of electrons transferred per nitrogen during the process of denitrification by bacteria is _____

Options :

1. ✗ 2

2. ✓ 8

3. ✗ 4

4. ✗ 5

Question Number : 63 Question Id : 79840723349 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ favours Z- DNA conformation.

Options :

1. ✗ 2'- OH steric hindrance

2. ✗ anti-G and C_{2'}- endsugar

3. ✓ Syn- G and C_{3'}- endsugar

4. ✗ G₄ - DNA quartet

Question Number : 64 Question Id : 79840723350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Production of secondary metabolites requires the use of_____

Options :

1. ✗ Protoplast

2. ✗ Apical meristem

3. ✗ Auxillary buds

4. ✓ Cell suspension

Question Number : 65 Question Id : 79840723351 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the enzyme used for the conversion of glucose to fructose.

Options :

- ✘ A- amylase
- ✘ Lactase
- ✘ Glucoamylase
- ✔ Glucose isomerase

Question Number : 66 Question Id : 79840723352 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The agent used for immobilization of enzymes is _____.

Options :

- ✔ Glutaraldehyde
- ✘ Acetic acid
- ✘ Acetaldehyde
- ✘ Formaldehyde

Question Number : 67 Question Id : 79840723353 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The end-product of reduction of α - ketoester with sodium hydroxide is _____.

Options :

- ✘ Primary alcohol
- ✔ Secondary alcohol
- ✘ Alkane
- ✘ Vinyl boroma

Question Number : 68 Question Id : 79840723354 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Ultra filtration is not useful for _____.

Options :

- ✘ Protein fractionation
- ✘ Desalting
- ✔ Cell harvesting
- ✘ Selective removal of solvent

Question Number : 69 Question Id : 79840723355 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Microbial degradation of environmental pollutants into harmless products is known as _____.

Options :

- ✘ Exister bioremediation
- ✔ Intrinsic bioremediation
- ✘ Extrinsic bioremediation
- ✘ Both intrinsic and extrinsic

Question Number : 70 Question Id : 79840723356 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Aflatoxins are produced by _____.

Options :

1. ✓ **Aspergillus flavus**
2. ✗ **Alternaria alternata**
3. ✗ **Fusarium oxysporium**
4. ✗ **Clostridium tatari**

Question Number : 71 Question Id : 79840723357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The protein products of Bt toxin genes Coryl AC and Coryl II Ab are responsible for controlling _____.

Options :

1. ✓ **Boll worm**
2. ✗ **Round worm**
3. ✗ **Moth**
4. ✗ **Fruit fly**

Question Number : 72 Question Id : 79840723358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

A microspore behaving like a zygote and undergoing changes to form embryoid is known as _____.

Options :

1. ✓ **Direct androgenesis**
2. ✗ **Indirect androgenesis**
3. ✗ **Anther culture**
4. ✗ **Pollen culture**

Question Number : 73 Question Id : 79840723359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is not an anticancer drug.

Options :

1. ✗ **Paclitaxel**
2. ✗ **Podophyllotoxin**
3. ✓ **Atropine**
4. ✗ **Vincristine**

Question Number : 74 Question Id : 79840723360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Human genome project is aimed at _____.

Options :

1. ✗ **Protein and DNA sequencing**
2. ✗ **Protein sequencing and DNA mapping**
3. ✓ **DNA sequencing and mapping**
4. ✗ **RNA sequencing and genome database**

Question Number : 75 Question Id : 79840723361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Retroviruses used in gene therapy targets _____.

Options :

- ✘ Non- Dividing cells
- ✔ Dividing cells
- ✘ Nerve cells
- ✘ Germ cells

Question Number : 76 Question Id : 79840723362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Starch content of the potatoes can be increased by using

Options :

- ✘ Sucrose phosphate synthetase gene
- ✔ ADP glucose phosphorylase gene
- ✘ Polygalacturonase gene
- ✘ PEG

Question Number : 77 Question Id : 79840723363 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The enzyme responsible for indefinite growth of human cancer cell is

Options :

- ✔ Telomerase
- ✘ DNA Polmerase I
- ✘ RNa Polymerase
- ✘ Reverse transcriptase

Question Number : 78 Question Id : 79840723364 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Cdc mutants are used for the study of

Options :

- ✘ Chromosome break point
- ✔ Apoptosis
- ✘ Stages of Cell Cycle
- ✘ Homeodomain

Question Number : 79 Question Id : 79840723365 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

..... is involved in the ATP- dependent cytosolic degradation of proteins in eukaryotes.

Options :

- ✘ Cathepsins
- ✘ Calpain
- ✘ Lysosome
- ✔ 20s Proteosome

Question Number : 80 Question Id : 79840723366 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

When thymidine synthesis is arrested cell division in eukaryotes will be arrested at

Options :

1. ✘ S phase
2. ✘ M phase
3. ✔ G₁/S interphase
4. ✘ G₂/ M interphase

Question Number : 81 Question Id : 79840723367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The information retrieval tool of NCBI Gene Bank is .

Options :

1. ✔ Enterz
2. ✘ STAG
3. ✘ SeqIn
4. ✘ Text search

Question Number : 82 Question Id : 79840723368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Rifamicin acts in E. coli by inhibiting

Options :

1. ✘ Cell division
2. ✘ Transcription inhibition
3. ✔ Binding of RNA polymerase to DNA template
4. ✘ Oxidation potential

Question Number : 83 Question Id : 79840723369 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

When Ig A is electrophoresed by SDS-PAGE the number of polypeptide bands are .

Options :

1. ✘ 2
2. ✘ 3
3. ✔ 4
4. ✘ 6

Question Number : 84 Question Id : 79840723370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ Inhibits mammalian cell cycle at M phase.

Options :

1. ✔ Colcemid
2. ✘ Mimosine
3. ✘ Hydroxy urea
4. ✘ Adiamycin

Question Number : 85 Question Id : 79840723371 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is not involved in antigen-antibody binding.

Options :

- ✘ Hydrogen bond
- ✘ Hydrophobic bond
- ✔ Covalent bond
- ✘ Vanderwall force

Question Number : 86 Question Id : 79840723372 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- is the defective gene in patients suffering from SCID.

Options :

- ✘ CFTR
- ✔ Adenosine deaminase
- ✘ Ribonucleotide reductase
- ✘ α_2 -microglobulin

Question Number : 87 Question Id : 79840723373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The most common reporter gene whose product can be visualized in transformed cells is

Options :

- ✘ NPT II
- ✘ CAT
- ✘ B- galactosidase
- ✔ Luciferase

Question Number : 88 Question Id : 79840723374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Energy is required for the process of -----.

Options :

- ✔ Ligation
- ✘ Transformation
- ✘ Restriction digestion
- ✘ Hybridization

Question Number : 89 Question Id : 79840723375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The conserved regions in multiple sequence alignments reflects on areas of

Options :

- ✘ Structural importance
- ✘ Functional importance
- ✔ Both structural and functional
- ✘ Non functional

Question Number : 90 Question Id : 79840723376 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The precursor for penicillin-G- biosynthesis during fermentation process is-----

Options :

- ✘ Phenoxy acetic acid
- ✔ Phenyl acetic acid
- ✘ Acetic acid
- ✘ Ascorbic acid

Question Number : 91 Question Id : 79840723377 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

In the large-scale production of ethanol the limiting factor is _____

Options :

- ✘ Lack of balanced medium
- ✘ Ethanol toxicity to cells
- ✘ Excessive downstream processing stages
- ✔ Ethanol toxicity to cells and Excessive downstream processing stages

Question Number : 92 Question Id : 79840723378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Distance matrix is used for _____

Options :

- ✘ Carbohydrate structure prediction
- ✘ Protein-structure prediction
- ✔ Phylogenetic analysis
- ✘ Primer designing

Question Number : 93 Question Id : 79840723379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ inhibits bacterial transcription

Options :

- ✘ Streptomycin
- ✘ Karomycin
- ✔ Rifampicin
- ✘ Nalidixic acid

Question Number : 94 Question Id : 79840723380 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The number of genotypes and phenotypes for a genetic locus having 5 alleles without any implicate or co-dominant features is _____

Options :

- ✘ 15, 14
- ✘ 5,15
- ✔ 15,5
- ✘ 12,15

Question Number : 95 Question Id : 79840723381 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ tool compares translated nucleotide query sequence against protein databases.

Options :

1. ✘ BLAST P
2. ✘ T BLAST N
3. ✔ BLAST X
4. ✘ T BLAST X

Question Number : 96 Question Id : 79840723382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- factors are involved in the epigenetic control of gene expression in

Options :

1. ✘ RNA Polymerase II
2. ✘ TF II D
3. ✘ TF II H
4. ✔ TF II D and TF II H

Question Number : 97 Question Id : 79840723383 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- hormone plays a role in seed dormancy.

Options :

1. ✘ Gibbulime
2. ✘ Cytokines
3. ✘ Auxins
4. ✔ Abscicic acid

Question Number : 98 Question Id : 79840723384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Translocation of carbohydrate occurs mostly as -----

Options :

1. ✘ Glucose
2. ✘ Fructose
3. ✘ Maltose
4. ✔ Sucrose

Question Number : 99 Question Id : 79840723385 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

DNA uptake is enhanced by ----- in seed dormancy.

Options :

1. ✔ polyethylene glycol
2. ✘ Acetaldehyde
3. ✘ Acetone
4. ✘ Ascorbic acid

Question Number : 100 Question Id : 79840723386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- hormone is produced in large quantities in fruit ripening.

Options :

1. ✘ Auxins
2. ✘ Abscisic acid
3. ✘ Cytokine
4. ✔ Ethylene

Question Number : 101 Question Id : 79840723387 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- are not phagocytic nature.

Options :

1. ✘ Neutrophils
2. ✘ B- lymphocytes
3. ✔ Microglial cells
4. ✘ Macrophages

Question Number : 102 Question Id : 79840723388 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Major variability in class I MHC is found in

Options :

1. ✔ α - chains
2. ✘ γ - microglobulin
3. ✘ Aminotermminus region
4. ✘ Domaine

Question Number : 103 Question Id : 79840723389 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- is the immunoglobulin resulting in histamine release.

Options :

1. ✘ Ig G
2. ✘ Ig M
3. ✘ Ig W
4. ✔ Ig E

Question Number : 104 Question Id : 79840723390 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- cannot be determined by traditional Northern Blotting

Options :

1. ✘ Size of m RNA species
2. ✔ Half life of an m RNA species
3. ✘ Strand of DNA i.e., transcribed into m RNA
4. ✘ the amino acid sequence of the protein

Question Number : 105 Question Id : 79840723391 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Microorganisms remove metals by -----

Options :

1. ✘ Adsorption
2. ✔ Precipitation
3. ✘ Complexation
4. ✘ All the given options

Question Number : 106 Question Id : 79840723392 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

pH of the culture medium is initially controlled by -----

Options :

1. ✘ Presence of CO₂
2. ✔ Presence of biocarbonate
3. ✘ Addition of bases
4. ✘ Sodium

Question Number : 107 Question Id : 79840723393 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The major problem associated with isolation of free cells and cells aggregate from organs is that of -----

Options :

1. ✔ releasing the cells from their supporting matrix
2. ✘ inhibiting the cell release from their supporting matrix
3. ✘ disintegration of cell from their supporting matrix
4. ✘ adsorption

Question Number : 108 Question Id : 79840723394 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Genetically engineered male sterile crop plants are produced by the insertion of -----

Options :

1. ✘ BT toxin gene
2. ✔ Barnase gene
3. ✘ Lectin gene
4. ✘ Chitinase gene

Question Number : 109 Question Id : 79840723395 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Measure of relationship between two variables is estimated by -----

Options :

1. ✔ Correlation analysis
2. ✘ 't' - test
3. ✘ F- test
4. ✘ ANCOVA

Question Number : 110 Question Id : 79840723396 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Phylogenetic prediction can be done by

Options :

1. ✘ Integration
2. ✘ Closeness
3. ✔ Maximum likelihood
4. ✘ Proximity

Question Number : 111 Question Id : 79840723397 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is not used to introduce foreign genes into crop plants

Options :

1. ✘ Ti plasmid
2. ✘ Particle gun
3. ✘ Breeding
4. ✔ Auxin

Question Number : 112 Question Id : 79840723398 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Pair-wise sequence alignment is done by _____

Options :

1. ✘ Dot-net analysis
2. ✘ Multiple Programming method
3. ✔ K- triple method
4. ✘ Excel

Question Number : 113 Question Id : 79840723399 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Neutrophils exchange potassium from proton using _____

Options :

1. ✔ Antiplast transport system
2. ✘ Sympact transport system
3. ✘ ABC transport system
4. ✘ Group translocation

Question Number : 114 Question Id : 79840723400 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Diphtheria toxin inhibits protein synthesis through _____

Options :

1. ✘ Release of peptidyle t RNA from P-site
2. ✘ Binding to factor EF-1
3. ✘ Inhibiting peptide bpnd formation
4. ✔ ADP ribosylation of EF 2

Question Number : 115 Question Id : 79840723401 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Antibodies having catalytic activities are _____

Options :

1. ✓ Abzymes
2. ✗ Ribozymes
3. ✗ Isozymes
4. ✗ Apozyme

Question Number : 116 Question Id : 79840723402 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Emulsification of fats is carried out by

Options :

1. ✗ Proteases
2. ✓ Bile salts
3. ✗ B- glucase
4. ✗ Pectinase

Question Number : 117 Question Id : 79840723403 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

..... is known as xenobiotic

Options :

1. ✗ A compound foreign to science
2. ✓ A compound foreign to biological system
3. ✗ A compound to microbe
4. ✗ A compound produced by living organism

Question Number : 118 Question Id : 79840723404 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

..... is a mixed fermentation.

Options :

1. ✗ Acetic acid and lysine
2. ✗ Ethyl alcohol and hexane
3. ✓ Acetic acid and Butyric acid
4. ✗ Puruvate and Acetaldehyde

Question Number : 119 Question Id : 79840723405 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

A higher K_s value of Monod is expressed as

Options :

1. ✗ Greater affinity to substrate
2. ✓ Lower affinity to substrate
3. ✗ Unexpressed with substrate bonding
4. ✗ Lower dissociation constant value

Question Number : 120 Question Id : 79840723406 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Accumulation of lactate leads to

Options :

1. ✘ Increase in pH
2. ✘ decrease in pH
3. ✔ Loss of cell viability
4. ✘ Both Increase and decrease of pH

Question Number : 121 Question Id : 79840723407 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- microbe cleans oil spills.

Options :

1. ✘ Bacillus subtilis
2. ✔ Pseudomonas putida
3. ✘ Bacillus denitrification
4. ✘ Pseudomonas denitrificans

Question Number : 122 Question Id : 79840723408 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The optimum glutamine concentration in culture medium is -----

Options :

1. ✘ 1-2 mmol/l
2. ✘ 13-14 mmol/l
3. ✔ 2-7 mmol/l
4. ✘ 8-10 mmol/l

Question Number : 123 Question Id : 79840723409 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- cells undergo transformations frequently in cultures

Options :

1. ✔ Anchorage independent
2. ✘ Anchorage dependent
3. ✘ Stable independent
4. ✘ Unstable dependent

Question Number : 124 Question Id : 79840723410 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

----- is not a source of energy in active muscles

Options :

1. ✘ Creative phosphate
2. ✘ ATP
3. ✔ Lactic acid
4. ✘ Glucose

Question Number : 125 Question Id : 79840723411 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Bioassay for gibberline is -----

Options :

- ✘ *avena coleptile test*
- ✔ *α- amylase in cereal endosperm*
- ✘ *callus formation in tobacco from pith tissue*
- ✘ *formation of abscission layer in cotton*

Question Number : 126 Question Id : 79840723412 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is the technique for culture of single cells.

Options :

- ✘ *Filter paper technique*
- ✘ *Laminar flow chamber technique*
- ✔ *Bergmann's plating technique*
- ✘ *Mass culture*

Question Number : 127 Question Id : 79840723413 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Growth pattern of somatic embryos is _____

Options :

- ✘ *Single cell - Cell mass - Globule - heart shaped - torpedo - cotyledonary stage*
- ✔ *Single cell - merismatic cells - Cell mass - globule - heart shaped - torpedo - cotyledonary stage*
- ✘ *Merismatic cells - Cell mass - Globule - heart shaped - torpedo - cotyledonary stage*
- ✘ *Merismatic cells- Globule - heart shaped - torpedo - cotyledonary stage*

Question Number : 128 Question Id : 79840723414 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Pick out the incorrectly paired plant hormone with its function.

Options :

- ✘ *Auxins- Apical dominance*
- ✘ *Abscicic acid - Rate of transpiration*
- ✘ *Cytokine - delays Senescence*
- ✔ *Gibberlin - maintains Seed dormancy*

Question Number : 129 Question Id : 79840723415 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Toll-like receptors play an important role in immune defence by recognizing _____

Options :

- ✔ *Microbial components*
- ✘ *MHC Peptide complex*
- ✘ *Ag properties*
- ✘ *anti- idiotypic immunoglobulin*

Question Number : 130 Question Id : 79840723416 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The curve which is more peaked than the normal bell shape curve is called as

Options :

1. ✘ Mesokurtic
2. ✘ Platykurtic
3. ✘ Mesoplatykurtic
4. ✔ Leptokurtic

Question Number : 131 Question Id : 79840723417 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ antibodies are found in large concentrations with greater half-life period.

Options :

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

Question Number : 132 Question Id : 79840723418 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is a statistical method based on the ratio of variation in a variable interest to the variation in appropriate error term.

Options :

1. ✘ 't' test
2. ✘ ANOVA
3. ✘ ANCOVA
4. ✔ F test

Question Number : 133 Question Id : 79840723419 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The ability to clone an adult animal from the nucleus of a differentiated somatic cell proves that _____

Options :

1. ✘ germ and soma are identical
2. ✘ animals are not differentiated from plants
3. ✔ the nucleus of the somatic cells contain all genetic information present in the fertilized egg.
4. ✘ nucleus and cytoplasm are same

Question Number : 134 Question Id : 79840723420 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is not an autoimmune disease.

Options :

1. ✘ Rheumatoid arthritis
2. ✘ Lupus erythamatosi
3. ✔ Bone spongiform encephalitis
4. ✘ Graves disease

Question Number : 135 Question Id : 79840723421 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is a dynamic programming algorithm for global alignment of sequences

Options :

- ✘ Smith Waremann
- ✔ Needleman Wunch
- ✘ Marker chain
- ✘ Hermistic method

Question Number : 136 Question Id : 79840723422 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is not exhibited by green sulphur photosynthetic bacteria

Options :

- ✘ Bacteriochlorophylls
- ✘ Sulphur deposition outside the cell
- ✔ Oxygen mode of photosynthesis
- ✘ Non-motile nature of cells

Question Number : 137 Question Id : 79840723423 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

A virion is a _____

Options :

- ✘ naked infectious piece of RNA
- ✔ complete infectious virus particle
- ✘ nucleic acid without a capsid
- ✘ naked infectious piece of DNA

Question Number : 138 Question Id : 79840723424 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Alkaline hydrolysis of triglycerides is carried out by _____

Options :

- ✔ Saponification
- ✘ Esterification
- ✘ Hydrogenation
- ✘ Dehydration

Question Number : 139 Question Id : 79840723425 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is an intercalating agent.

Options :

- ✔ Ethidium bromide
- ✘ Papain
- ✘ Ascorbic acid
- ✘ Abscic acid

Question Number : 140 Question Id : 79840723426 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ is not amphipathetic.

Options :

1. ✘ Phosphatidyl cholin
2. ✘ Cholesterol
3. ✘ Oleic acid
4. ✔ Succinate

Question Number : 141 Question Id : 79840723427 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

In the replication of DNA in E. coli the two circular daughter DNAs are interlocked due to defective gene coding and the enzyme involved is _____

Options :

1. ✘ Primase
2. ✔ DNA topoisomerase
3. ✘ DNA polymerase
4. ✘ DNA helicase

Question Number : 142 Question Id : 79840723428 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

In reverse phase chromatography, the stationary phase is made up of _____ solvent

Options :

1. ✔ Non-polar
2. ✘ Polar
3. ✘ Non-polar & Polar
4. ✘ Aqueous

Question Number : 143 Question Id : 79840723429 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The clonal selection theory account for the following aspects except _____

Options :

1. ✘ the versatility of the hormonal immune response
2. ✔ the basis of antibody diversity
3. ✘ immunological memory
4. ✘ recognition of self

Question Number : 144 Question Id : 79840723430 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The antibody Ig E in most cells is associated with _____

Options :

1. ✘ Contact hypersensitivity
2. ✘ Immunofluorescence
3. ✘ Electrophoresis
4. ✔ Immediate hypersensitivity

Question Number : 145 Question Id : 79840723431 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ method predicts the protein structure based on fold recognition.

Options :

1. ✘ Comparative modelling
2. ✔ Threading
3. ✘ Abinitio
4. ✘ Homology modeling

Question Number : 146 Question Id : 79840723432 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

Twilight zone is _____

Options :

1. ✘ where alignments appear plausible and statistically significant
2. ✘ where alignments appear to the eye, but are no longer statistically significant
3. ✔ where alignments neither appear plausible nor statistically significant
4. ✘ where alignments share 30% identity

Question Number : 147 Question Id : 79840723433 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ bond in proteins has a partial double bond character.

Options :

1. ✘ C α -C
2. ✘ C α -N
3. ✔ C-N
4. ✘ C-O

Question Number : 148 Question Id : 79840723434 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The protein response in electrophoretic system when the pH becomes lower than the isoelectric point is that

Options :

1. ✘ the protein becomes denatured
2. ✔ the protein migrates to negative pole
3. ✘ the protein migrates to positive pole
4. ✘ the protein remains stationary and unchanged

Question Number : 149 Question Id : 79840723435 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

The molecular weight of a hundred base pair duplex DNA is

Options :

1. ✔ 65,000 KDa
2. ✘ 1,30,000 Kda
3. ✘ 45,000 KDa
4. ✘ 20,300 Kda

Question Number : 150 Question Id : 79840723436 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct : 2 Wrong : 0.66

_____ chromatographic technique is suitable for separating glucosamine from glucuronic acid

Options :

1. ✘ Affinity chromatography
2. ✘ Molecular exclusion
3. ✔ Ion exchange chromatography
4. ✘ Hydrophobic chromatography

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