

Id	1
Question	People suffering from Cockayne syndrome have defective
A	Double strand break repair system
B	Photo reactivation
C	Nucleotide excision repair system
D	Mismatch repair system
Answer	C

Id	2
Question	----- is a recessive trait.
A	Terminal flower position
B	Axial flower position
C	Inflated pod shape
D	Green pos color
Answer	A

Id	3
Question	Which of the following process is an exception of Mendel Law?
A	Mutation
B	Variation
C	Cloning
D	Linkage
Answer	D

Id	4
Question	By which enzyme does E. coli tags its parental DNA strand?
A	Methylase
B	Polymerase
C	Phosphorylase
D	Acetylase
Answer	A

Id	5
Question	Fredrick Griffith's experiment involving Streptococcus pneumoniae lead to the discovery of -----
A	DNA as genetic material
B	RNA as genetic material
C	Protein as genetic material
D	Transforming priciple
Answer	D

Id	6
Question	Protein kinases transfer phosphate groups to the side chains of which of the following?
A	Serine
B	Valine
C	Glutamate
D	Lysine
Answer	A

Id	7
Question	The first RNA processing event is -----
A	Capping
B	Tailing
C	Splicing
D	Editing
Answer	A

Id	8
Question	A stretch of which nucleotide in the DNA acts as the termination signal?
A	Poly G
B	Poly C
C	Poly T
D	Poly A
Answer	D

Id	9
Question	Which of the following is not a feature of the genetic code?
A	Triplet
B	Degenerate
C	Non-overlapping
D	Ambiguous
Answer	D

Id	10
Question	Which of the following is used in prokaryotic replication?
A	DNA polymerase β
B	DNA polymerase II
C	DNA polymerase III
D	DNA polymerase δ
Answer	C

Id	11
Question	In Annelids excretion is performed by -----
A	Renette cells
B	Flame cells
C	Malpighian tubules
D	Nephridia
Answer	D

Id	12
Question	----- is ammonotelic animal.
A	Whale
B	Seals
C	Lizard
D	Salamander
Answer	D

Id	13
Question	Open vascular system is found in -----
A	Man
B	Fish
C	Prawn
D	Snakes
Answer	C

Id	14
Question	Stomata open and close due to -----
A	Circadian rhythm
B	Genetic clock
C	Pressure of gases inside the leaves
D	Turgor pressure of guard cells
Answer	D

Id	15
Question	Movement of leaves of sensitive plant, Mimosa pudica are due to
A	Thermonasty
B	seismonasty
C	Hydrotropism
D	Chemonasty
Answer	B

Id	16
Question	Black water fever is a special manifestation of malaria caused by -----
A	<i>P. falciparum</i>
B	<i>P. malariae</i>
C	<i>P. ovale</i>
D	<i>P. vivax</i>
Answer	A

Id	17
Question	The tissue in Platyhelminthes between viscera and body wall is called
A	Coelom
B	Parenchyma
C	Mesoderm
D	Chaoanoderm
Answer	B

Id	18
Question	Organizing taxonomic information in logical classification is called
A	Systematics
B	Phenetic
C	Phylogenetic
D	Dendogram
Answer	A

Id	19
Question	Pepper disease of Silkworms caused by
A	Leishmania donovani
B	Fasciola hepatica
C	Trypanosoma brucei
D	Nosema bombycis
Answer	D

Id	20
Question	Mebendazole drug is used to treat
A	Malaria
B	Amoebic dysentery
C	Schistosomiasis
D	Ascariasis
Answer	D

Id	21
Question gene deduced to evolutionary relationship between the taxonomic groups.
A	16S rRNA
B	23S rRNA
C	5S rRNA
D	18S rRNA
Answer	A

Id	22
Question	Which of the following is the characteristics of a cancer cell?
A	Density dependent inhibition
B	Contact inhibition
C	Loss of anchorage dependence
D	Apoptosis
Answer	C

Id	23
Question	Genetically different population with the same physical features is known as -----
A	Ecosystem
B	Ecads
C	Community
D	Ecotype
Answer	D

Id	24
Question	Pyramid of numbers for grassland ecosystem is -----
A	Decreases
B	Lateral
C	Inverted
D	Upright
Answer	D

Id	25
Question	The collection of individuals which belongs to the same species when live together in a region is known as -----
A	Keystone species
B	Community
C	Guild
D	Population
Answer	D

Id	26
Question	Which of the following is the main effect of cytokines in the tissue culture system?
A	Adventitious shoot formation
B	Induction of somatic embryos
C	Adventitious root formation
D	Shoot elongation
Answer	A

Id	27
Question	Name the type of culture which is prepared by inoculating directly from the tissue of an organism to culture media?
A	Primary cell culture
B	Secondary cell culture
C	Cell lines
D	Transformed cell culture
Answer	A

Id	28
Question	Embryo initiation is facilitated by -----
A	GA3
B	BPA
C	ABA
D	2,4 D
Answer	D

Id	29
Question	Which of the following culture is used for the production of primary and secondary metabolites?
A	Cell suspension culture
B	Callus culture
C	Protoplast culture
D	Somatic hybrid
Answer	A

Id	30
Question	Name the asexual mode of embryo formation?
A	Protoplast fusion
B	Callus culture
C	Somatic embryogenesis
D	Protoplast culture
Answer	C

Id	31
Question	The amino acid commonly used as an ingredient in the buffers of SDS-PAGE-----
A	Aspartic acid
B	Glutamic acid
C	Glycine
D	Alanine
Answer	C

Id	32
Question	Fat storing cells of vertebrates are called -----
A	Hepatocytes
B	Asterocytes
C	Adipocytes
D	Melanocytes
Answer	C

Id	33
Question	Chlorophyll (a) has ability to absorb ----- wave length of light.
A	blue-red
B	blue-green
C	Yellow green
D	Yellow blue
Answer	B

Id	34
Question	Glucose oxidase and peroxidase aid in
A	Making chocolates
B	Dying leather
C	Making sweets
D	Detecting presence of sugar in urine
Answer	D

Id	35
Question	Cerebroside is a -----
A	Phospholipid
B	Sphingolipid
C	Aminolipid
D	Glycolipid
Answer	D

Id	36
Question	----- of the following is used to grow bacterial cultures continuously.
A	Chemostat
B	Coulter Counter
C	Hemostat
D	Petroff-Hausser chamber
Answer	A

Id	37
Question	The envelope of which of the following viruses is derived from the host cell nucleus
A	Paramyxoviruses
B	Retroviruses
C	Orthomyxoviruses
D	Herpesviruses
Answer	D

Id	38
Question	----- of the following organisms can be demonstrated with silver impregnation method.
A	Vibrios
B	Mycoplasma
C	Spirochaetes
D	Shigella
Answer	C

Id	39
Question	The chlorophyll molecules used by eucaryotes and cyanobacteria absorb radiant energy in the ----- portion(s) of the visible spectrum.
A	Red
B	Green
C	Red and blue
D	Green and ultraviolet
Answer	C

Id	40
Question	Treatment of municipal water supplies is based upon -----
A	Chlorination, filtration, coagulation
B	Coagulation, filtration, chlorination
C	Filtration, coagulation, chlorination
D	Coagulation, chlorination, filtration
Answer	B

Id	41
Question	Large parasites such as helminthes may be killed extracellularly by the action of -----
A	Basophils
B	Monocytes
C	Eosinophils
D	Neutrophils
Answer	C

Id	42
Question	Macrophages are professional antigen-presenting cells. The protein molecule through which they present antigen in human is -----
A	Actin
B	interleukin
C	HLA
D	CD8
Answer	D

Id	43
Question	In Counter immunoelectrophoresis -----
A	Electrophoresis will drive the antibody and antigen parallel to each other
B	Electrophoresis will drive the antibody and antigen toward each other
C	The antibody will migrate towards anode
D	The antibody will migrate towards cathode.
Answer	B

Id	44
Question	----- of the following is a positively charged matrix for ion exchange chromatography.
A	CM cellulose
B	DEAE cellulose
C	Phosphocellulose
D	Sephadex G-200
Answer	B

Id	45
Question	Patients suffering from toxic shock syndrome are found to have ----- of the following as the causative mechanism.
A	High levels of bacterial toxins.
B	Excessive levels of bacterial-specific antibodies
C	Generation of bacterial-specific cytotoxic T cells.
D	Massive stimulation of helper T cells irrespective of antigenic specificity.
Answer	D

Id	46
Question	At the end of telophase I and cytokinesis there are
A	4 haploid cells
B	2 diploid cells
C	1 haploid ovum and 3 polar bodies.
D	2 haploid cells
Answer	D

Id	47
Question	----- of the following cells helps in storing water and food materials.
A	Parenchyma cell
B	Flame cell
C	Nematoblast
D	Mesenchymal cell
Answer	A

Id	48
Question	Each granum possesses ----- thylakoids.
A	02-100
B	90-93
C	19-89
D	19-38
Answer	A

Id	49
Question	Name the type of fertilization where placenta formation does not occur.
A	Ovoviviparous
B	Oviparous
C	Viviparous
D	Segmentation
Answer	A

Id	50
Question	Which of the following is Alecithal?
A	Reptiles
B	Amphibians
C	Mammals
D	Birds
Answer	C