

Id	1
Question	Which one of the following cell organelle involved in ATP synthesis?
A	Mitochondria
B	Lysosomes
C	Nucleus
D	Ribosomes
Answer	A

Id	2
Question	In case of mitochondrial genetic code UGA is a ---- codon.
A	Tryptophan
B	Arginine
C	Proline
D	Stop
Answer	A

Id	3
Question	In prokaryotes the ribosomal binding site on mRNA is called.
A	Hogness sequence
B	Shine – Dalgarno sequence
C	Pribnow sequence
D	TATA box
Answer	B

Id	4
Question	Engulfing of bacteria by white blood cells is called as
A	Phagocytosis
B	Pinocytosis
C	Exocytosis
D	Endocytosis
Answer	A

Id	5
Question	Deficiency of Vitamin B6 in man causes
A	Night blindness
B	Goitre
C	Anaemia
D	Rickets
Answer	C

Id	6
Question	An abnormal human male phenotype involving an extra X- chromosome (XXY) is a case of
A	Edward's syndrome
B	Klinefelter's syndrome
C	Intersex
D	Down's syndrome
Answer	B

Id	7
Question	The cross in which two characters are followed at the same time is called
A	Monhybrid cross
B	Reciprocal cross
C	Dihybrids cross
D	Hybrid cross
Answer	C

Id	8
Question	Study of fossils is
A	Paleontology
B	Herpetology
C	Saurology
D	Organic evolution
Answer	A

Id	9
Question	Change in frequency of allele in a population due to random sampling of organisms is
A	Gene expression
B	Gene linkage
C	Genetic drift
D	Gene mutation
Answer	C

Id	10
Question	Renewable source of energy is
A	Biomass
B	Coal
C	Petroleum
D	Kerosene
Answer	A

Id	11
Question	The energy transferred to the next higher level
A	Decreases
B	Increases
C	Constant
D	Fluctuating both the sides
Answer	A

Id	12
Question	Which of the following species are restricted to a given area
A	Sympatric species
B	Allopatric species
C	Sibling species
D	Endemic species
Answer	D

Id	13
Question	Which of the following places Royal Bengal Tiger found?
A	Mahanadi Delta
B	Kaveri Delta
C	Godawari Delta
D	Sunderban delta
Answer	D

Id	14
Question	Jointed appendages is found animals of following phylum.
A	Mollusca
B	Arthropoda
C	Annelida
D	Echinodermata
Answer	B

Id	15
Question	Temperature changes in the environment affect most of the animals which are
A	Aquatic
B	Desert living
C	Poikilothermic
D	Homoiothermic
Answer	C

Id	16
Question	Following is the larval form found in Amphibians
A	Tadpole
B	Veliger
C	Glochidium
D	Bipinnaria
Answer	A

Id	17
Question	A radially symmetrical belongs to which phylum?
A	Porifera
B	Echinodermata
C	Platyhelminthes
D	Nematoda
Answer	B

Id	18
Question	Some species of which of the following animals release an anticoagulant that is of medical significance?
A	Neries
B	Earthworm
C	Leeches
D	Ascaris
Answer	C

Id	19
Question	Which molluscan class includes organisms that are primarily suspension feeders?
A	Chitons
B	Bivalves
C	Gastropods
D	Cephalopods
Answer	B

Id	20
Question	Differentiation of teeth is observed in
A	Sharks
B	Bony fishes
C	Amphibians
D	Mammals
Answer	D

Id	21
Question	Archaeopteryx called a connecting link, carried the characters of
A	Reptile and bird
B	Reptile and mammal
C	Fish and amphibian
D	Amphibian and reptile
Answer	A

Id	22
Question	Homologous organs indicate the
A	Convergent evolution
B	Parallel evolution
C	Common descendant
D	Natural selection
Answer	C

Id	23
Question	Fibroblasts, macrophages and mast cells are present in
A	Cartilage tissue
B	Areolar tissue
C	Adipose tissue
D	Glandular tissue
Answer	B

Id	24
Question	Multi – lobed nucleus and granular cytoplasm are characteristics of
A	Neutrophils
B	Monocytes
C	Lymphocytes
D	Eosinophils
Answer	A

Id	25
Question	Following plasma protein involved in blood coagulation
A	Globulin
B	Fibrinogen
C	Albumin
D	Serum amylase
Answer	B

Id	26
Question	Conversion of ammonia to urea is done by
A	Ornithine cycle
B	Arginine cycle
C	Fumaric cycle
D	Citrulline cycle
Answer	A

Id	27
Question	Alzheimers disease in humans is associated with the deficiency of
A	Dopamine
B	Glutamic acid
C	Acetylcholine
D	Gamma aminobutyric acid
Answer	C

Id	28
Question	Emulsification of fat is carried out by
A	Bile pigments
B	Bile salts
C	HCl
D	Pancreatic juice
Answer	B

Id	29
Question	Vitamin K is required for
A	Change of prothrombin into thrombin
B	Synthesis of prothrombin
C	Change of fibrinogen to fibrin
D	Formation of thromboplastin
Answer	B

Id	30
Question	Calcium deficiency in the body occurs in the absence of
A	Vitamin C
B	Vitamin D
C	Vitamin B
D	Vitamin E
Answer	B

Id	31
Question	The valves which allow blood to flow from the ventricles into the arteries and not in the opposite direction are.
A	Semilunar valve and tricuspid valve
B	Bicuspid and tricuspid valve
C	A.V.valve (Atrioventricular valve) and semilunar valve
D	Aortic valve and mitral valve
Answer	C

Id	32
Question	Which of the following hormone stimulate ovarian follicles to mature and formation of ovum
A	LH
B	FSH
C	LTH
D	Progesterone
Answer	B

Id	33
Question	Which of the following hormone stimulate the milk ejection?
A	Oxytocin
B	Thyroxine
C	Insulin
D	Progesterone
Answer	A

Id	34
Question	The Hypothalamic hormone that induce the production of FSH and LH is
A	GnRH
B	ADH
C	Oxytocin
D	THRH
Answer	A

Id	35
Question	In mammalian sperm, spirally arranged mitochondria are present in
A	Head portion
B	Middle piece
C	End piece of the tail
D	Principal piece of tail
Answer	B

Id	36
Question	Cells become variable in morphology and function in different regions of the embryo. The process is
A	Differentiation
B	Metamorphosis
C	Organization
D	Rearrangement
Answer	A

Id	37
Question	How many sperms are formed from a secondary spermatocyte?
A	4
B	8
C	2
D	1
Answer	C

Id	38
Question	Acrosome reaction in sperm is triggered by
A	Capacitation
B	Release of lysine
C	Influx of Na^+
D	Release of fertilizin
Answer	C

Id	39
Question	In malaria, the form of plasmodia that is transmitted from mosquito to human is
A	Sporozoite
B	Gametocyte
C	Merozoite
D	Hypnozoite
Answer	A

Id	40
Question	Ascaris normally inhabits in the lumen of
A	Stomach
B	Large intestine
C	Small intestine
D	Rectum
Answer	C

Id	41
Question	The protozoan diseases of silkworm
A	Muscardine
B	Pebrine
C	Grasserie
D	Flacherie
Answer	B

Id	42
Question	Crossing over occur during
A	Pachytene
B	Diplotene
C	Zygotene
D	Leptotene
Answer	A

Id	43
Question	The pyramid of numbers is inverted in the case of
A	Grassland ecosystem
B	Forest ecosystem
C	Lake ecosystem
D	Parasitic food chain
Answer	D

Id	44
Question	Identify the edible freshwater teleost
A	Catla catla
B	Hilsa ilisha
C	Rays and skates
D	Sharks
Answer	A

Id	45
Question	The Ig that mediates allergic reaction is
A	IgG
B	IgM
C	IgA
D	IgE
Answer	D

Id	46
Question	Blocking of enzyme action by blocking its active sites is
A	Allosteric inhibition
B	Feedback inhibition
C	Competitive inhibition
D	Non – competitive inhibition
Answer	C

Id	47
Question	Building blocks of nucleic acids are
A	Nucleotides
B	Nucleosides
C	Amino acids
D	Histones
Answer	A

Id	48
Question	Most of the enzymes of the citric acid cycle in a eukaryotic cell are located in the
A	Inner mitochondrial membrane
B	Cytosol
C	Mitochondrial matrix
D	Intermembrane space
Answer	C

Id	49
Question	Northern blotting is performed for -----
A	Determining the size of DNA
B	Determining the size of RNA
C	Quantification of RNA
D	Separation of Proteins
Answer	C

Id	50
Question	In binomial distribution , formula of calculating standard deviation is
A	Square root of p
B	Square root of pq
C	Square root of npq
D	Square root of np
Answer	C