Biology MCQs

INTRODUCTION TO BIOLOGY MCQS:

- 1. Ecology deals with
- a) Biotic factors of environment
- b) Abiotic factors of Environment
- c) Environmental relations
- d) Both a&b
- 2. Histology is study of living organisms at _____ level.
- a) Cell
- b) Organ
- c) Tissue
- d) Community
- 3. Study of Geographical Distribution of animals is known as
- a) Biogeography
- b) Zoogeography
- c) Animal Geo graphics
- d) Non of above
- 4. Unicellular Plasmodium is studied under the branch of biology called
- a) Microbiology
- b) Cell Biology
- c) Parasitology
- d) Pathology
- 5. Study of life of ocean is
- a) Sea Biology
- b) Oceanography
- c) Marine Biology
- d) Ocean Ecology
- Insulin preparation comes under which branch of biology
- a) Social Biology
- b) Biotechnology
- c) Genetic Engineering
- d) Parasitology

What is the right distribution of levels of study from smaller to larger a) Specie, community, population, Ecosystem b) tissue, cell, organ, system c) Individual, Specie, population, community d) Organelle, tissue, organ, System 8. Term Vaccinization was discovered by a) Edward Jenner b) Louis Pasteur c)Emil Fischer d) Robert Khoshland 9. Biopesticides have advantage over chemical pesticides because a) Pests can not develop resistance against them b) They are cheaper c) Non Pollutant d) All of above 10. Cloning surely produces organisms that have identical a) genotype b) phenotype c) genome d) All of above 1. The mechanism by which organisms maintain the stability of their cellular environment is known as; a. Homeostasis b. Normal health c. Structural adaption d. Osmoregulation 2. When the concentration of external medium is equal to the concentration of internal medium of cell is called; a. Hypertonic

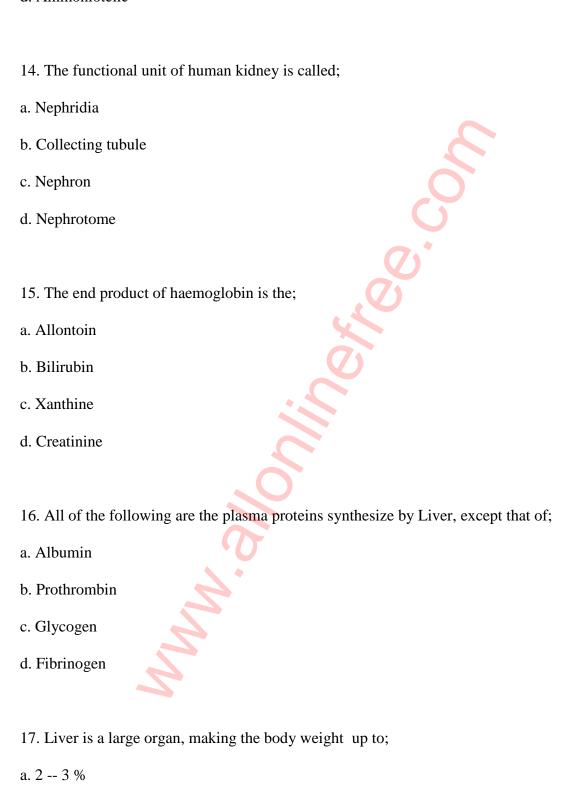
b. Hypotonic

c. Isotonic
d. Heterotonic
3. Brassica and rose plant belong to group of plants;
a. Hydrophytes
b. Mesophytes
c. Xerophytes
d. Succulents
4. Animals which are unable to adjust their internal salt concentration according to external environment is;
a. Anhydrobiosis
b. Osmoregulators
c. Thermoregulatory
d. Osmoconformers
5. Which one of the following animal can survive without drinking water?
a. Kangaroo rat
b. Pig
c. Kangaroo
d. Camel
6. Nitrogeneous wastes are produced as a result of;

a. Photosynthesis	
b. Ingestion	
c. Assimilation	
d. Deamination	
7. Fresh water protozoans pumped out excess water by a special structure ca	alled;
a. Oral groove	
b. Contractile vacuole	
c. Pellicle	
d. Vacuole	
8. The term glycogenesis means, the conversion of;	
a. glucose to Glycogen	
b. Lactic acid to Glycogen	
c. Glycogen to Glucose	
d. Amino acid to Glycogen	
9. Which one of the following nitrogenous compound is much more soluble	in water?
a. Uric acid	
b. Urea	
c. Ammonia	
d. Creatine	

10. The removal of amino group from amino acid is called;
a. Transamination
b. Deamination
c. Translocation
d. Transposition
11. The amount of water required for the removal of 2 g of ammonia is;
a. 200 ml
b. 500 ml
c. 100 ml
d. 1000 ml
12. In flatworms excretory system consists of a net work of closed tubules with out internal openings are called;
a. Nephridia
b. Protonephridia
c. Metanephridia
d. Nephrostome
13. According to the removal of nitrogenous wastes, reptiles and birds are the examples of;
a. Uricotelic
b. Ammonotelic
c. Ureotelic

d. Ammoniotelic



b. 3 -- 6 %

c. 1 -- 2 % d. 3 -- 5 % 18. The term Glycogenolysis means, the conversion of; a. Glucose into lactic acid b. Glucose into Glycogen c. Glucose into alcohol d. Glucose into amino acid 19. Liver store tke vitamins A, D, E & K, which are the mainly; a. Fat soluble b. Cold water soluble c. Alcoholic soluble d. Hot water soluble 20. As human kidney has less than one percent of total body weight and with each cardiac cycle it receive the bllod of about; a. 50 % b. 30 % c. 20 % d. 25 % 21. Creatinine is produced in; a. Liver

b. Muscles
c. Kidney
d. Blood
22. All are related to urea cycle, except that of;
a. Citruline
b. Ornithene
c. Arginine
d. Creatinine
23. Urea leaves the kidney through;
a. Ureter
b. Urinary bladder
c. Urethra
d. pelvis
24. Urea is produced by a cyclic process in the liver known as;
a. Urea or Ornithene cycle
b. Urea or Citruline cycle
c. Urea or Arginine cycle
d. Both a & b
25. In man the expulsion of urine from the body the urethra is known as;

a. Urination
b. Elimination
c. Micturition
d. Filtration
26. Each nephron has a mass of blood capillaries which are partially enclosed by the blind ending region of the tubule is called;
a. Glomerulus
b. Bowman's capsule
c. Loop of henle
d. Vasa recta
27. The inner layer of the Bowman's capsule is made up o un-usual cells called;
a. Endothelial cells
b. Baesment membrane cells
c. Ciliated cells
d. Podocytes
28. the blood pressure in kidneys is higher that in the other organs this high pressure is maintained because;
a. The afferent arteriole has a large diameter and efferent arteriole has a smaller diameter
b. Of the foot like process of Podocytes
c. Because of the Bowman's capsule
c. The efferent arreriole has a large diameter than the afferent arteriole

- 29. Marine mammal such as whale has a very thick layer of isulating fat called blubber just under the skin, which one of the is not related to the adaptive value of this fat?
- a. Because it is insoluble in water, so does not affect the osmotic balance of the cells
- b. As fat is an energy storing compound, so it is utilized by the animal when storage of food
- c. Fat has low energy contents as compared to other energy storing compound such as glycogen
- d. Fat ha an insulating function and having low heat conductivity
- 30. Which part of the Nephron maintains the normal pH of human blood?
- a. Bowman's capsule
- b. Ascending prtion of henle loop
- c. Descending portion of henle loop
- d. Collecting duct
- 31. Which one the following properties of water is the main contributory factor enabling homeotherms to adapt, to a range of environment?
- a. Water has a high heat of vaporization
- b. Water has high surface tension
- c. Water has maximum density at 4 Co
- d. It has a low viscocity
- 32. Which of the following is a function of the lever?
- a. Regulation of plasma bicarbonate ions
- b. Storage of vitamin C

- c. Production of plasma albumin
- d. Production granulocytes
- 33. Which of the following is an endothermic?
- a. Humming birds
- b. Bat
- c. Fish
- d. Birds
- 34. Human maintains their high body temperature with in a narrow range of about;

- 35. In human being body temperature is regulated by a part of brain; the
- a. Thalamus
- b. Hypothalamus
- c. Medulla oblongata
- d. Cerebellum
- 36. Process of reabsorption is the movement of materials from;
- a. Filtrate to Glomerulus

b. Filtrate to blood capillaries
c. Glomerulus to filtrate
d. Pelvis to filtrate
37. Which of the following chemicals displaces the set point of the hypothalamus?
a. Antigen
b. Antibodies
c. Antibiotics
d. Pyrogen
38. The most common kidney stone is;
a. Calcium stone
b. Oxalate stone
c. Uric acid stone
d. Carbonate stone
39. The nitrogenous excretory compounds formed in Earth-worm are the;
a. Urea
b. Ammonia
c. Both a & b
d. Uric acid

1. The matrix of the bone is composed of;
a. Calcium phosphate
b. Collagen
c. Chitin
d. Calcium carbonate
2. Hydrostatic skeleton is pressent in;
a. E.Worm & Jelly fish
b. Cockroach
c. Cray fish
d. Millipedes
3. The most rigid connective tissues are the;
a. Tendons
b. Ligaments
c. Cartilage
d. Bones
4. All of the following are related to cranial bones, except that of;
a. Parietal
b. Occipital

c. Vomer
d. Frontal
5. The structure formed by the fusion of anterior five pelvic vertebrae is the;
a. Axis
b. Sacrum
c. Atlas
d. Coccyx
6. Which one of the following posses single occipital condyle?
a. Fishes & Reptiles
b. Birds & Mammals
c. Birds & Amphibians
d. Reptiles & Birds
7. The antagonistic arrangement of skeletal muscles means the movement of muscles;
a. In the same direction
b. Against each other
c. with out friction
d. With out contraction & relaxation
8. Which one doos not take place during repair of bone?
a. Chondrocytes formation

b. Hematoma formation
c. Callus formation
d. Bony callus
9. which one is not correct about the sliding filament model of muscle contraction?
a. Length of A band is reduced
b. Thick and thin filaments slide over each other
c. Z - lines come lose together
d. The I - band shortens
10. The fundamental contractile unit of a skeletal muscle is called;
a. I - band
b. sarcolemma
c. Sarcomeres
d. H - zone
11. Which one of the following acts as a shock absorber to cushion the tibia and the femur where they come together?
a. Central disc
b. Ligament
c. Cartilage
d. Tendons
12. A muscle is a muscle;

a. Bundle
b. Fiber
c. Filament
d. Fibril
13. The original function, in the first vertebrates, of the skeleton was to provide;
a. Support for locomotion
b. Minerals
c. blood cells
d. protection from enemies
14. Which one of the following connects the bone to bone?
a. Tendon
b. Cartilage
c. Disc
d. ligament
15. The original function is still performed today by bones of the;
a. Jaw
b. Pelvis
c. Skull and rib cage
d. Thigh

16. Which one of the following is likely to have the strongest leg bones?
a. Jockey
b. Swimmer
c. Golfer
d. Weight lifter
17. The fundamental, repeating unit of a skeletal myofibril is the;
a. Motor unit
b. Myosin cross bridge
c. Sarcomere
d. Sarcoplasmic reticulum
18. According to the now-established sliding- filament model of muscle contraction, the molecules that move o shorten a muscle are;
a. Creatine phosphate
b. Collagen
c. Myosin
d. Actin
19. Cross bridges, which connect the two molecules of a fibril during a muscle contraction, are made of;
a. Troponin
b. Tropomyosin
c. Actin

d. Myosin
20. An oxygen debt develops during;
a. An aerobic work
b. Aerobic work
c. Sarcoplasmic release
d. Tetanus
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21. The ion that must be present for binding of the cross bridges is;
a. sodium ion
b. Potassium ion
c. Calcium ion
d. Magnesium ion
22. The all-or-non phenomenon of muscle contraction refers to a maximum contraction or no contraction of a;
a. Muscle
b. Muscle fiber
c. Muscle bundle
d. Muscle fibril
23. An aerobic work becomes continue painful because of an accumulation of;
a. Lactic acid
b. Carbon dioxide

c. Acetic acid
d. Calcium ions
24. An all-out sprint cannot continue for more than about 45 seconds because the muscles;
a. Accumulate acetylcholine on their plasma membranes
b. Accumulate too much Creatine phosphate
c. Run out of glycogen
d. Run out of oxygen
25. The depression used for articulation of femur is called;
a. Ischium
b. Pubis
c. Ilium
d. Acetabulum
26. The mammals used on the hoofed tip of the toes are called;
a. Unguligrades
b. Plantigrades
c. Digitigrades
d. Saltatorials
27. The most prehistoric extinct bipedal vertebrates were the;
a. Lobe finned fishes

b. Amphibians
c. Reptiles
d. Mammals
28. keel the modified bone of sternum is present in;
a. Dipnoi
b. Reptiles
c. Birds
d. Mammals
29. The stream-line body structure is present in;
a. Reptiles
b. Fishes
c. Mammals
d. Amphibians
30. Star fish moves with the help of;
a. Caudal fin
b. Myonemes
c. Tube feet
d. Foot

31. Which of the following animal show accordion like locomotion?

a. Jelly fish
b. Earth-worm
c. Tape-worm
d. Amoeba
32. In man the contraction of which of the following muscles make the arm straight?
a. Triceps Brachii
b. Brachialis
c. Biceps Brachii
d. Brachioradialis
33. during contraction of muscles the calcium ions released from;
a. Sarcomeres
b. T - tubules
c. Bone marrow
d. Sarcoplasmic reticulum
34. A grass-hopper moves from place to place when it muscles;
a. Pull it bones
b. Push it bones
c. Push it external plates
d. Pull its external plates

35. An earth-worm moves from place to place; a. Peristalic waves of contracions of circular and longitudinal muscles b. To and fro movements of many tiny parapodia c. Many small paseudopodia called Setae d. Rolling movements caused by statocysts 36. Tiny animals, such as the larvae of Cnidarians, move from place to place chiefly by; a. Cytoplasmic streaming b. The beating movement of cilia c. Contraction of muscle cells d. Amoeboid movement 37. The to-fro-movements of cilia and flagella in euglena & paramecium are caused by; a. Sliding microtubules b. Contracting microfilaments c. Elongating cell membranes d. Changes in turgor pressure 38. Which of the following is mismatched? a. Slightly moveable joint-vertebrate

c. Synovial joint-elbow

d. Immovable joint-Sutures in cranium

b. Hinge joint-Hip

39. Which of these is direct source of energy?
a. Adenosine Triphosphate
b. Lactic acid
c. Creatine phosphate
d. Both a & b
40. When muscles contract;
a. Sarcomeres increases in size
b. Myosin slides past actin
c. The "H-zone" disappears
d. Calcium is taken up calcium storage sites
41. The chest cage of man is supported by number of ribs;
a. Twenty four only
b. Twelve pairs
c. Ten pairs
d. Both a & b
42. during bone fracture the mass of clotted blood is called;
a. Remodeling
b. Hematoma
c. reduction

d. Bony callus
1. Viral genes are made of
a. RNA only
b. DNA only
c. Either DNA or RNA
d. Either protein or nucleic acid
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2. A virion is a
a. Virus
b. Viral ribosome
c. Viral lysosomes
d. Viral gene
3. An isolated virus is not considered living since it
a. Separates into tw inerts part
b. Cannot metabolize
c. Rapidly loses its genome
d. Is coated with air-tight, chemically inert sheild
4. Most RNA viruses carry a gene for an enzyme that uses viral RNA as template in the synthesi of more viral RNA this enzyme is
a. Reverse transcriptase

b. RNA polymerase
c. Viral nuclease
d. RNA replicase
5. The enzymes involved in viral replication are synthesized
a. On the viral ribosome
b. By the host cell
c. On the interior surface of the viral membrane
d. On the interior surface of the viral coat
6. Much of the research on gene expression has been done with E.coli, which inhibits the human intestine. This organism is a
a. Plasmid
b. Virus
c. Bacterium
d. Protozoan
7. In general bacterial genes are regulated at the time of
a. Transcription
b. Post-transcription
c. Translation
d. Cojugation

8. When DNA is exchanged via eytoplasmic bridges between two bacteria the process is called
a. Transduction
b. Conjugation
c. Transformation
d. Recombination
9. When a bacteriophage in its lytic phase carries some of the bacterium's partially digested chromosome with it to another host cell the process is called
a. Conjugation
b. Transformation
c. Transduction
d. Restricted transduction
10. A bacteriophage with a lysogenic cycle must have genes that are
a. Made of RNA
b. Made of double-stranded DNA
c. Made of single-stranded RNA or DNA
d. With in a circular nucleic acid molecule
11. which of the following fungus is used to give the flavour, aroma and Characteristics colour to some cheese?
a. Yeast
b. Ergot fungi
c. Aspergillus

d. Penicillium

12. According to mode respiration which one of the following group of bacteria can grow either in the presence or absence of oxygen?
a. Facultativebacteria (E.coli)
b. Microaeerophilic (campylobacter)
c. Pseudomonas
d.Spirochete
13. which one is true for Pox-viruses?
a. RNA-enveloped
b. DNA-non enveloped
c. DNA-enveloped
d. DNA-naked virion
14. A disease virus in which nerves are damaged is the
a. Yellow fever
b. Polio
c. Measles
d. Xerophthalmia
15. In some bacteria when division ocurrs in random plane it will produce an Arrangement called
a. Streptococcus
h sarcina

c. Diplococcus
d. Staphylococuus
16. Gram positive bacteria are usually
a. Cocci
b. Bacilli
c. Stained pink
d. Spirochete
17. A viral disease in which brain of the host is affected is the
a. Sleeping sickness
b. Rabies
c. Pellagra
d. Typhoid
18. Mumps and measles viruses belong to group paramyxo-viruses which are the
a. RNA enveloped viruses
b. DNA naked viruses
c. RNA non-enveloped
d. DNA enveloped viruses
19. There are about known species of bacteria that causes the diseases in man
a. 250

b. 150
c. 200
d. 300
20. Morphologically the tobacco mosaic virus is the
a. Round shape
b. Tadpole like
c. Cubical shape
d. Rod shape
21. The flavour, all of the following is due to bacterial activity, except that of
a. Butter milk
b. Yogurt
c.Ice crem
d. Cheese
22. A scientist who established principles of immunity in "Anthrax &Rbies" was the
a. Leeuwenhoek
b.Pasteur
c.Koch
d.Jenner
23. The poison, produced by bacteria during infection in host is called

- a. Toxinsb.Antitoxinsc. Toxoids
- d.Afflotoxins
- 24. All of the following are antibiotics, except that of
- a. Penicillin
- b. Streptomycin
- c. Riboflavin
- d. Terramycin
- 25. Bacteria ranges in size, whereas, the staphylococcus&streptococcus are in diameter
- a. 0.75 to 1.25 m
- b. 1.1 to 1.50 m
- c. 2.0 to 6.0 m
- d. 0.75 to 1.75 m
- 26. Which one is true for periplasmic space ,in different groups of bacteria
- a. Present in all gram -negative bacteria
- b. Present in all gram positive bacteraia
- c. Present in few gram negative bacteria
- d. Present in all gram positive&few gram negative bacteria

27. The amount of lipid in outer noundry of gtam positive bacteria is about
a. 1-4 %
b. 11-12%
c.8-11%
d. 20-60%
28, Which one of the following antibiotics &related compounds cause permanent discoloration of teeth in young children
a. Tetracyclin
b. Terramycin
c. Streptomycin
d. Penicillin
29, Antibiotics are synthesized by certain organisms such as
a. Penicillium
b. Actinomycetes
c. Both a%b
d. Oscilletoria
30. Ecological role of fungi as decomposers is parallled only by
a. Virus
b. Bacteria
c. Detrius
d.Nematodes

31. Are very good bio-indicator of air quality as they are very sensitive to pollution
a. Bacteria
b. Mycorrhizae
c. Lichens
d. Water blooms
32. Induction is a process in which a viral DNA
a. Enters into bacterial cell and attached with bacterial DNA
b.Detached from bacterial DNA
c. Destroy the bacterial DNA
d. Multiply with bacterial DNA
EVOLUTION AND GENETICS
1. The idea of inheritance of acquired character was proposed by;
a. Linnaeus
b. Lamarck
c. Darwin
d. Wallace

2. From South America Darwin collected number of types of Finches;	
a. 20	
b. 11	
c. 15	
d. 13	
3. Which one of the following mammals live only in America?	
a. Armadillos	
b. Elephant	
c. Opossum	
d. Echidna	
4. Which one of the following Island is present near the coastline of South America	a?
a. Cape verd	
b. Finland	
c. Galapagos	
d. Iceland	
5. The oldest known fossils are of;	
a. Pisces	
b. Prokaryotes	
c. Protozoans	

d. Algae 6. Archaeobacteria can tolerate temperature up to; a. 100o C b. 150 oC c. 110 oC d. 120 oC 7. Most fossils are found in; a. Sedimentary rocks b. Ingeous rock c. Black soil d. Lava flowa 8. Charles Darwin's book, On the origin of species by Means of Natural Selection, was first published in; a. 1779 b. 1831 c. 1859 d. 1959 9. The primary mission of the "voyage of H.M.S.beagle" (1831 -- 1836) was to; a. Carry arms to the new world

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b. Chart the S.American coastline

c. Find out how many species there were in the world d. Disprove Lamarck's theory of inheritance 10. The wing of bird and the forelegs of a horse are; a. Vestigial structures b. Analogous structures c. Phylogenetic structures d. Homologous structures 11. The struggle for existence is a consequence of; a. Each organism leaving more offspring than needed to replace it self b. The inevitable difficulty of coping with climatic conditions c. Territories and dominance hierarchies d. Innate competitive tendencies 12. The idea of common descent was first suggested to Darwin by his observations on; a. Comparative embryology b. Blood groups of birds c. Geographical distribution of species d. Human pedigrees 13. Fossil record shows that the earliest known vertebrate fossils were of; a. Mammals

b. Fishes

c. Amphibians
d. Reptiles
14. The structures which have common origin but different function is;
a. Vestigial structure
b. Analogous structure
c. Adaptive structure
d. Homologous structure
15. In terrestrial vertebrates, the gills are modified to form;
a. Lungs
b. Eustachian tube
c. Ear muscles
d. Larynx
16. A respiratory protein found in all aerobic species is the;
a. Cytochromes-c
b. Cytochromes-b
c. Cytochromes-a
d. Cytochromes-a3
17. which one of the following cannot change allelic frequency?

a. Migration

b. Genetic drift
c. Random mating
d. Selectiion
18. The wings of a bird and the wings of an insect are;
a. Analogous structures
b. Phylogenetic structures
c. Homologous structures
d. Vestigial structures
19. The best test of the relatedness of two species is in the similarity of their;
a. Anatomy
b. Courtship behaviour
c. Development
d. DNA & Protein
20. The unit of evolution is now known to be the;
a. Individual
b. Population
c. Family
d. Species
21. The total collection of genes, at any one time, in a unit of evolution is called the;

a. Genotype b. Phenotype c. Gene pool d. Multiple-allelic group 22. A potential danger to a population that has been greatly reduced in number is the; a. Loss of genetic variability b. Tendency towards assertive mating c. Reduced gene flow d. Hardy-Weinberg disequlibrium 23. The human blood groups -- A, B, AB, and O -- are an example of a; a. Dimorphism b. Mutation c. Gradeint of diploidy d. Allelomorphism 24. All alleles originate from; a. Crossing over b. Mutations c. Gene flow d. Non-disjunction

25. A beneficial allele increases more rapidly in frequency, if it is;
a. Dominant
b. Recessive
c. Recently mutated
d. Rare
26. Biologist who study the sequence of organisms in the fossil record are;
a. Taxonomists
b. Phycologists
c. Paleobiologists
d. Mycologists
27. The richest source of fossils is;
a. Igneous rock
b. Granite
c. Basalt
d. Sedimentary rock
28. How many possible phenotypes are there for the "ABO" blood groups?
a. 4
b. 6
c. 8
d. 16

29. The genotypic expression seen in a person of blood group "AB" is called;
a. Dominant-recessive
b. Incomplete dominance
c. Co-dominance
d. Over-dominance
30. The pelvis and the leg bones of a snake are;
a. Homologous structures
b. Vestigial structures
c. Adaptive structures
d. Analogous structures
31. A child with blood-group genotype IA / IB is born of a woman with genotype IB / IB , the father could not be a man of genotype;
a. IA / IB
b. IA / IA
c. IB / IB
d. IA / i
32. The locus of gene that controls the "AOB" blood type is present on chromosome number;
a. 11
b. 21
c. 7

- d. 9
- 33. The pattern of sex determination found in protenor hug is;
- a. XO -- XX
- b. WZ -- ZZ
- c. Honey bee method
- d. XY -- XX
- 34. In monochromacy which types of light receiving cone cells are absent?
- a. Blue -- Green
- b. Red -- Blue
- c. Red -- Green
- d. Red -- Yellow
- 35. Which one is not correct for Drosophila melanogaster?
- a. XXY -- is fertile female
- b. XO -- fertile male
- c. XX -- is female
- d. XY -- male
- 36. Which one is not correct for recessive sex-linked inheritance?
- a. Gene for eye colour is present on "X" sex chromosomes
- b. Y -- chromosome is inert

c. Female can be nomozygous or neterozygous
d. Sex - linked traits are more common in females as compared to males
37. The genes for blue Opsin protein are present on autosomal chromosomes number;
a. 07
b. 11
c. 09
d. 21
38. A woman receives her " X " chromosomes from;
a. Her mother only
b. Both her mother & her father
c. Her father only
d. Extra-nuclear DNA in her mother's egg
39. When a mutation is limited to the substitution of one nucleotide pair for another, it is called a; a. Point mutation b. Transiocation c. Base inversion d. Sugar-phosphate deletion
40. The creation of mutations is called;
a. Evolution

b. Radiation
c. Mutagenesis
d. Saltatory changes
41. The father of a girl is hemophilic but mother is normal.she may be;
a. hemophilic
b. Carrier
c. Normal
d. None of these
42. Genes not located within the nucleus are almost always located in the;
a. Cytosol
b. Cell membrane
c. Cytoskeleton
d. Organelles
key
1.b
2.d
3.a
4.c
5.b
6.d

7.a	
8.c	
9.b	
10.d	
11.a	
12.c	
13.b	
14.d	7)*
15.b	.0
16.a	
17.c	
18.a	
19.d	
20.b	
21.c	
22.a	
23.d	
24.b	
25.a	
26.c	
27.d	
28.a	
29.c	

30.b
31.b
32.d
33.a
34.c
35.b
36.d
37.a
38.b
39.a
40.c
41.b
42.d
BIOLOGY MCQS
1. which of the following plants is rich in atropine drug
a. datura
b. red pepper
c. petunia

d. nicotiana tobacum
2. how many carbon atoms are there in a molecule of Ribulose biphospahte?
a. three
b. four
c. five
d. six
3. which one of the following is an ornamental plant?
a. physalis
b. melangena
c. atropa
d. petunia
4. plant donot store carbohydrates as glucose because it is
a. attracts insect herbivores
b. dissolves in water thereby altering the osmotic balance
c. is an unstable molecule
d. would replace ribose in DNA replication
5. which of the following organisms are involed in the spreading of cholera and hepatitis?
a. house fly
b. mosquito
c. tse tse

d. locust
6. which one is not true for grade radiate?
a. radially symmetry
b. diploblastic
c. coelomate
d. body with single opening
7. which one of the following round worm is cosmopolitan?
a. hook worm
b. pin worm
c. thread worm
d. fillaria
8. taenia is an endoparasite of human cattle and pig that completes its life cycle in two hosts the intermediate host is the
a. snail
b.sheep & man
c. sheep
d. pig & cattle
9. which one of the following groups of animals are acoclomste?
a. nematode
b. flat worms
c. cnidarians

d. aschelminthes
10. the genus rabditis contains "enterobius vermicularis" which is commonly known as
a. pin worm
b. thread worm
c. hook worm
d. round worm
11. coelom is cavity present b/w body wall & alimentry canal and is lined by
a. ectoderm
b. endoderm
c. mesoderm
d. choanoderm
12. proglottids are related to which of the fpllowing animals?
a. fasiola
b. schistosoma
c. dugesia
d. taenia
13. protandrous mode of sexual is found in
a. aurelia
b. sponges
c. hydra
d. obelia
14. n which of the following flat worms the digestive system is absent?
a. tape worms

b. liver fluke
c. hydra
d. blood fluke
15. the name cnidaria has been given to this group of animals due to the presence of special cells called
a. nematocysts
b. cnidocytes
c. pinachocytes
d. choanocytes
16. in which group of animal phyla alternation of generation is present
a. coelenterate
b. nematodes
c. aschelminthes
d. parazoa
17. pseudocoelom of round worms consists of a number of vacuolated cells filled with a protein rich fluid that devolpes high
a. osmotic pressure
b. partial pressure
c. hydrostatic pressure
d. diffusion pressure
18. many colonial coelenterates such as "Corals" produce a hard exoskeleton composed of
a. sodium carbonate
b. calcium carbonate
c. calcium phosphate

d. silicon dioxide
19. in flat worms the excretory system consists of branching tubes ending in bulb like cells called
a. glomerulus
b. nephrostome
c. flame cells
d. nephridia
20. in multicellular organisms the integumentary and nervous system develop from
a. mesoderm
b. archenteron
c. endoderm
d. ectoderm
21. in sponges the inner body layer is made of special flagellated collar cells called
a. pinachocytes
b. choanocytes
c. gelatinous mesenchyma
d. amoeboid cells
22. acyclostoma dueodenela a parasite of human small intestine is commonly known as
a. hook worm
b. pin worm
c. thread worm
d. guinae worm
23. which one of the following parasitic flat worm lives in the bile duct of its host
a. taenia worm

b. dugesia
c. fasiola hepatica
d. tape worm
24. in asymmetrical parazoa the skeleton is in the form of variously shaped needle like structure called
a. calcareous shell
b. spicules
c. siliceous shell
d. keratinized shell
25. in hydra alternation of generation is absent and it exist only in
a. medusae form
b. conozoid form
c. gastrozoid form
d. polyps form
26. the stony mass of living coelenterate is called
a. corals
b. coral leef
c. polyps
d. medrepora
27. the bark which of the following plants are used in tanning industry
a. bauhinia verigata
b. tamarindus indica
c. cassia senna
d. both a & b

BIOLOGY TEST

1. i\In ireland people are completely dependent on
a. potatoes
b.tomatoes
c. tobacco
d. red pepper
2. Capsium anum is the scientific name of
a. datura
b. tobacco
c.red pepper
d. black pepper
3. which one of the following is the favourite home garden vegetable that was once believed to be poisoned
a. physalis
b. lipersicum esculentum
c. soalanum meelangena
d, atropa belladona

4. photosynthetic autotrophs get their energy	from
a. heat	
b. inorganic molecules	
c. organic molecules d. light	
5. in 1930 van neil hypothesised that oxygen from	atoms in the oxygen gas released by plants come
a.carbon dioxide	
b. water	
c. glucose	
d. chlorophyll	
6. in plant cell .the dark reactions of photosyr	itheses takes place in
a. stroma	
b. thylakoids	
c.granum	
d. lamellae	
7. which of the following colurs of light work	best for photosynthesis
a. green&blue	
b. red%green	
c. blue&red	

1		
α	1710	ot Xzoroon co
	VIO	let&oraange
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8. a description of wavelength absorbed by a pigment is called its
a. action apectrum
b. anteena cells
c. reaction center
d. absorption spectrum
(7)*
9. production of NADPH in a chloroplast takes place during
a. dark reaction
b. non-cyclic photophosphyrlation
c. cyclic photophosphyrlation
d. chemiosis
10. which of thr following plant leaves are used for curing of ring worm skin disease
a. cassia alata
b. cassia fistula
c. bauhinia vegeteria
dd. tamarindus indica
11. which one of the following process releases a carbon dioxide molecule
a. glycolysis
b. lactic acid fermentation

c. alcoholic fermentation
d. hydrolysis of glycoen
12. when yeast is poducing wine, which of the following is not formed
a. pyruvic acid
b. acetyl co enzyme-A
c. ethanol
d. carbon dioxide
13. in the conversion of pyruvic acid to acetyl co eenzyme -A, pyruvic acid is
a. oxidised
b. isomerized
c. broken into one carbon fragment
d. reduced
14. how many carbon atomsare in an oxolacetate molecule, ehich joins with an acetyl group during step -1 in krebs cycle
a. 2
b.3
c.4
d.6
15. in ETC ,the final acceptor of electron is
a. cytochrome -b

b. cytochrome a3
c. oxygen
16. the atom within each cytochrome molecule that actually accepts and releases electrons is
a. carbon
b. iron
c. zink
d. oxygen
17. how many carbon atoms are in citric acid molecule?
a. four
b. six
c. three
d. five
18. in aerobic cellular respiration most of the ATP is synthesized during
a. electron transport chain
b. glycolysis
c. citric acid cycle
d. oxidation of pyruvate
19. in eukaryotic cell the krebs citric acid cycle and terminal electron transport take place
a. with in the nucleus
b. on rough ER
c. in the cytoplasm
d. with in the mitochondria
20 the inner membrane of mitochondria is very selective about, what it normally allows to leave

the organelle.one molecule that regularly passes out of a mitochondria is

a. citric acid b. ATP c. pyruvic acid d. glucose 21. the function of the mitochondrial cristac is to a. prevent escape O2 gas b. store co-enzyme-A c. increase the surface area of the inner membrane d. increase the avalibility of phospholipids 22. a source of protons for the protons for the proton gradient with in chloroplast is a. water b. chlorophyll c. CH2O d. phospholipids within thylakoids membranes 23. the molecule in the Calvin-Benson cycle that combines with carbon dioxide is a. glyceraldehyde phosphate b. ribulose biphosphate c. phosphoenolpyruvate d. 1, 3 biphosphoglycerate 24. how many carbon atoms are there in a molecule of glyceraldehyde phosphate a. four b. five c. three

d. SIX	
25. the source of hydrogen atom for	the synthesis of glucose is
a. H2O	
b. FADH2	
c. n(CH2O)	
d. NADPH	
26. an edible fruit, the husk tomato o	btained from the plant family the
a. poaceae	7)*
b. solanaceae	
c. ceasalpiniaceae	
d. cassia family	
visit for notes	
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