



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD



Class : 11

Subject : BIOLOGY

Term : 2nd Term

Max Marks : 80

Q 1 : What is wrongly given in the following scientific name of mango: *Mangifera Indica* ?

Marks : 1

1. scientific name is not in italics
2. the first alphabet of the generic name is in capital letter
3. the first alphabet of the specific name is in capital letter
4. Both option 1 and option 3

(This Answer is Correct)

Q 2 : The following is not the main criteria for Whittaker's five kingdom classification system:

Marks : 1

1. bio molecular relationships
2. mode of nutrition
3. cell structure
4. mode of reproduction

(This Answer is Correct)

Q 3 : Anabaena can fix atmospheric nitrogen with the help of:

Marks : 1

1. Rhizobium
2. heterocyst
3. akinete
4. mucilaginous sheath

(This Answer is Correct)

Q 4 : Sleeping sickness is caused by the following :

Marks : 1

1. Trypanosoma
2. Euglena
3. Amoeba
4. Plasmodium

(This Answer is Correct)

Q 5 : The sub units of the protein coat of viruses are called

Marks : 1

1. polypeptides
2. capsomeres
3. protenoid
4. peptones

(This Answer is Correct)

Q 6 : Mannitol and laminarin is the stored food of the Class of algae:

Marks : 1

1. Rhodophyceae
2. Chlorophyceae
- 3. Phaeophyceae**
4. none of these

(This Answer is Correct)

Q 7 : Specialised asexual structure which are bud like structure is called

Marks : 1

- 1. gemmae**
2. sporophyte
3. capsule
4. sporangium

(This Answer is Correct)

Q 8 : The seeds are uncovered in:

Marks : 1

1. Pteridophytes
- 2. gymnosperms**
3. bryophytes
4. angiosperms

(This Answer is Correct)

Q 9 : The primary endosperm nucleus is in nature.

Marks : 1

1. haploid
2. diploid
- 3. triploid**
4. tetraploid

(This Answer is Correct)

Q 10 : The minute pores through which water enters into the body cavity in sponges are called

Marks : 1

1. Choanocytes
- 2. ostia**
3. osculum
4. spongin

(This Answer is Correct)

Q 11 : The vertical roots growing above the ground in Rhizophora are called.....

Marks : 1

1. Stilt roots
2. prop roots
3. prop roots
- 4. pneumatophores**

(This Answer is Correct)

Q 12 : Alstonia scholaris has a type of leaf. **Marks : 1**

- 1 . simple leaf
- 2 . pinnately compound leaf
- 3 . palmately compoun leaf** (This Answer is Correct)
- 4 . microphyllous leaf

Q 13 : The condition where stamens are attached to the perianth is called..... **Marks : 1**

- 1 . Episepalous
- 2 . epipetalous
- 3 . epiphyllous** (This Answer is Correct)
- 4 . none of these

Q 14 : The sheath enclosing the radicle is called **Marks : 1**

- 1 . Scutellum
- 2 . coleoptile
- 3 . aleurone layer
- 4 . coleorrhiza** (This Answer is Correct)

Q 15 : An ornamental flower of liliaceae family: **Marks : 1**

- 1 . Aloe
- 2 . Gloriosa** (This Answer is Correct)
- 3 . colchicine
- 4 . asparagus

Q 16 : In roots, the arrangement of protoxylem and metaxylem is of the type. **Marks : 1**

- 1 . Mesarch
- 2 . endarch
- 3 . exarch** (This Answer is Correct)
- 4 . none of these

Q 17 : The Of jute and hemp are used commercially for fabric. **Marks : 1**

- 1 . secondary xylem fibres
- 2 . primary xylem fibres
- 3 . primary phloem fibres
- 4 . secondary phloem fibres** (This Answer is Correct)

Q 18 : The endodermis of a stem is filled with

Marks : 1

- 1 . starch grains
- 2 . casparian strips
- 3 . raphides
- 4 . oil ducts

(This Answer is Correct)

Q 19 : The epidermis has more stomata in a dicot leaf

Marks : 1

- 1 . Adaxial
- 2 . abaxial
- 3 . lower and adaxial
- 4 . abaxial and lower

(This Answer is Correct)

Q 20 : Bark consists of :

Marks : 1

- 1 . outer epidermis
- 2 . secondary cortex and epidermis
- 3 . secondary cortex and periderm
- 4 . secondary cortex,periderm an epidermis

(This Answer is Correct)

Q 21 : The longest part of the bacterial flagellum is :

Marks : 1

- 1 . hook
- 2 . basal body
- 3 . filament
- 4 . none of these

(This Answer is Correct)

Q 22 : The mitochondria divide by :

Marks : 1

- 1 . Fission
- 2 . meiosis
- 3 . mitosis
- 4 . fragmentation

(This Answer is Correct)

Q 23 : The type of plastid that stores fats and oils.

Marks : 1

- 1 . Chloroplast
- 2 . amyloplast
- 3 . aleuroplast
- 4 . elaioplast

(This Answer is Correct)

Q 24 : The type of chromosome where the centromere is sub terminal is called

Marks : 1

1. Sub metacentric
2. telocentric
3. metacentric
- 4. acrocentric**

(This Answer is Correct)

Q 25 : The following is an example of sulphur containing amino acid:

Marks : 1

- 1. Cystine**
2. phenyl alanine
3. arginine
4. lysine

(This Answer is Correct)

Q 26 : The 3-D structure of protein is called the structure.

Marks : 1

1. Primary
2. secondary cortex and epidermis
- 3. tertiary**
4. quaternary

(This Answer is Correct)

Q 27 : The active human haemoglobin has a Structure.

Marks : 1

1. Primary
2. secondary cortex and epidermis
3. tertiary
- 4. quaternary**

(This Answer is Correct)

Q 28 : The distance between each nucleotide pair is Angstrom

Marks : 1

1. 34
- 2. 3.4**
3. 20
4. 2

(This Answer is Correct)

Q 29 : Enzymes which catalyse reactions of removing groups from substrates using water are called

Marks : 1

- 1. Hydrolase**
2. ligase
3. lyase
4. transferase

(This Answer is Correct)

Q 30 : The part of holoenzyme which is tightly bound to the apoenzyme is called

Marks : 1

- 1 . cofactors
- 2 . prosthetic group** (This Answer is Correct)
- 3 . coenzyme
- 4 . none of these

Q 31 : The type of inhibition where the inhibitor is a structural analogue of the substrate is called Inhibition.

Marks : 1

- 1 . allosteric
- 2 . non competitive
- 3 . competitive** (This Answer is Correct)
- 4 . feedback

Q 32 : element is required by the meristematic tissue and for spindle fibre formation.

Marks : 1

- 1 . Potassium
- 2 . sodium
- 3 . Calcium** (This Answer is Correct)
- 4 . All of these

Q 33 : A technique to grow plant in nutrient solution is called

Marks : 1

- 1 . aeroponics
- 2 . micropropagation
- 3 . hydroponics** (This Answer is Correct)
- 4 . tissue culture

Q 34 : The concentration of essential element below which plant growth is retarded is called Concentration

Marks : 1

- 1 . threshold
- 2 . critical** (This Answer is Correct)
- 3 . minimal
- 4 . isotonic

Q 35 : The localised death of tissue in a leaf is called

Marks : 1

- 1 . necrosis** (This Answer is Correct)
- 2 . chlorosis
- 3 . leaf mottling

4 . cirrhosis

Q 36 : Denitrification is brought about by the following bacteria:

Marks : 1

- 1 . Nitrosomonas
- 2 . Nitrobacter
- 3 . Thiobacillus**
- 4 . Rhizobium

(This Answer is Correct)

Q 37 : The number of ATP molecules required to fix a molecule of nitrogen by Rhizobium is.....

Marks : 1

- 1 . 12
- 2 . 10
- 3 . 22
- 4 . 18**

(This Answer is Correct)

Q 38 : In the preparatory phase of Glycolysis the a six carbon compound is formed which splits into two 3 C compound:

Marks : 1

- 1 . Glucose 6 phosphate
- 2 . Fructose 6 phosphate
- 3 . Fructose 1 phosphate
- 4 . Fructose 1,6,Diphosphate**

(This Answer is Correct)

Q 39 : A group of individuals which can interbreed among themselves:

Marks : 1

- 1 . family
- 2 . species**
- 3 . genus
- 4 . order

(This Answer is Correct)

Q 40 : refers to the different types of organisms present on earth.

Marks : 1

- 1 . Nomenclature
- 2 . identification
- 3 . ecosystem
- 4 . biodiversity**

(This Answer is Correct)

Q 41 : A collection of dried and compressed plants preserved on sheets is called a

Marks : 1

- 1 . herbarium**

(This Answer is Correct)

- 2 . key
 - 3 . museum
 - 4 . scrap book
-

Q 42 : The cell wall of fungi constitutes of:

Marks : 1

- 1 . Cellulose
- 2 . pectin
- 3 . chitin**
- 4 . hemicellulose

(This Answer is Correct)

Q 43 : The other name for sac fungi is :

Marks : 1

- 1 . Basidiomycetes
- 2 . Ascomycetes**
- 3 . Phycomycetes
- 4 . Deuteromycetes

(This Answer is Correct)

Q 44 : A group of fungi which includes all the genus which does show perfect stage,it is called.....

Marks : 1

- 1 . Basidiomycetes
- 2 . Ascomycetes
- 3 . Deuteromycetes**
- 4 . Phycomycetes

(This Answer is Correct)

Q 45 : The following is an edible algae:

Marks : 1

- 1 . Sargassum**
- 2 . Spirogyra
- 3 . Ectocarpus
- 4 . All of these

(This Answer is Correct)

Q 46 : The following is not a characteristics of red algae:

Marks : 1

- 1 . stored food is floridean storage
- 2 . r-phycoerythrin is the red pigment
- 3 . complex post fertilization changes
- 4 . algin is present**

(This Answer is Correct)

Q 47 : The is the reproductive part of the moss.

Marks : 1

- 1 . foot
- 2 . capsule**
- 3 . seta
- 4 . protonema

(This Answer is Correct)

Q 48 : The embryo sac consists of :

Marks : 1

- 1 . egg aparatus
- 2 . synergids
- 3 . antipodal cells
- 4 . all of these**

(This Answer is Correct)

Q 49 : The compact structure bearing sporophylls is called....

Marks : 1

- 1 . Cone**
- 2 . prothallus
- 3 . capsule
- 4 . sporangium

(This Answer is Correct)

Q 50 : The type of symmtery where a single plane is dividing an organism in two equal halves is called

Marks : 1

- 1 . aymmetrical
- 2 . radial symmetry
- 3 . bilateral symmetry**
- 4 . none of these

(This Answer is Correct)

Q 51 : The animals in which body cavity is absent are called:

Marks : 1

- 1 . Coelomate
- 2 . haemocoelomate
- 3 . pseudocoelomate
- 4 . acoelomate**

(This Answer is Correct)

Q 52 : The hollow air filled bones of aves are called

Marks : 1

- 1 . air sacs
- 2 . long bones
- 3 . pneumatic bones**
- 4 . none of these

(This Answer is Correct)

- Q 53 :** Skin is dry without gland excepting oil glands are present at the
- Marks :** 1
- 1 . base of the tail
 - 2 . base of the beak
 - 3 . base of fore limbs
 - 4 . base of walking legs
- (This Answer is Correct)
-

- Q 54 :** Colocasia is an underground stem and has the following function:
- Marks :** 1
- 1 . storage stem
 - 2 . vegetative propagative organ
 - 3 . perennating organ
 - 4 . All of these
- (This Answer is Correct)
-

- Q 55 :** The develops into branch
- Marks :** 1
- 1 . terminal bud
 - 2 . axillary bud
 - 3 . leaf meristem
 - 4 . none of these
- (This Answer is Correct)
-

- Q 56 :** The edible and fleshy portion of mango is called
- Marks :** 1
- 1 . epicarp
 - 2 . mesocarp
 - 3 . endocarp
 - 4 . pericarp
- (This Answer is Correct)
-

- Q 57 :** The unicellular root hairs are formed from of the root.
- Marks :** 1
- 1 . multicellular epidermis
 - 2 . epiblema
 - 3 . hypodermis
 - 4 . cortex
- (This Answer is Correct)
-

- Q 58 :** The parenchyma tissue which lies in between the xylem and phloem is called
- Marks :** 1
- 1 . Meristematic tissue
 - 2 . cortical tissue
 - 3 . conjunctive tissue
 - 4 . bundle sheath
- (This Answer is Correct)
-

Q 59 : The cambial ring is found in

Marks : 1

- 1 . dicot root
- 2 . monocot root
- 3 . dicot stem**
- 4 . monocot stem

(This Answer is Correct)

Q 60 : The other name for cork cambium is

Marks : 1

- 1 . Phellogen**
- 2 . phelloderm
- 3 . periderm
- 4 . phellem

(This Answer is Correct)

Q 61 : The ribosomes in prokaryotes are called

Marks : 1

- 1 . Polysome
- 2 . polyribosome
- 3 . polysome and polyribosome**
- 4 . none of these

(This Answer is Correct)

Q 62 : The lipids which is found in cell membrane is

Marks : 1

- 1 . Glycolipids
- 2 . phospholipids**
- 3 . sphingolipids
- 4 . All of these

(This Answer is Correct)

Q 63 : Which of the following is not a hydrolytic enzyme found in lysosome?

Marks : 1

- 1 . protease
- 2 . lipase
- 3 . carbohydrase
- 4 . none of these**

(This Answer is Correct)

Q 64 : The bonds which links up the nucleotides are called bonds.

Marks : 1

- 1 . Peptide
- 2 . phosphodiester**
- 3 . glycosidic
- 4 . none of these

(This Answer is Correct)

Q 65 : All biosynthetic pathways are called pathways. **Marks : 1**

- 1 . Metabolic
- 2 . catabolic
- 3 . anabolic**
- 4 . amphibolic

(This Answer is Correct)

Q 66 : Nitrogen is the chief constituent of: **Marks : 1**

- 1 . Proteins
- 2 . nucleic acids
- 3 . vitamins
- 4 . All of these**

(This Answer is Correct)

Q 67 : The element essential for the functioning of nitrogenase enzyme is **Marks : 1**

- 1 . Sodium
- 2 . phosphorus
- 3 . Molybdenum**
- 4 . iron

(This Answer is Correct)

Q 68 : The process of fixation of atmospheric nitrogen by lightning in nature is called..... Fixation. **Marks : 1**

- 1 . biological
- 2 . electrical**
- 3 . industrial
- 4 . natural

(This Answer is Correct)

Q 69 : The letter E from EMP Pathway stands for **Marks : 1**

- 1 . Edward
- 2 . Einstein
- 3 . Embdem**
- 4 . Electronic

(This Answer is Correct)

Q 70 : The anaerobic part of aerobic respiration is called **Marks : 1**

- 1 . Glycolysis**
- 2 . Kreb's cycle
- 3 . Electron transport chain
- 4 . none of these

(This Answer is Correct)

Q 71 : The end product of Glycolysis is

Marks : 1

- 1 . Pyruvic acid
- 2 . acetyl CoA
- 3 . 2-Phosphoglycerate
- 4 . 2 phospho enol pyruvic acid

(This Answer is Correct)

Q 72 : What is the net gain of ATP In Glycolysis is?

Marks : 1

- 1 . 8
- 2 . 10
- 3 . 6
- 4 . 12

(This Answer is Correct)

Q 73 : The extremophiles found in the hot springs are called

Marks : 1

- 1 . Halophiles
- 2 . thermoacidophiles
- 3 . methanogens
- 4 . barophile

(This Answer is Correct)

Q 74 : The organism responsible for toxic red tide:

Marks : 1

- 1 . Noctiluca
- 2 . Ceratium
- 3 . Euglena
- 4 . Gonyaulax

(This Answer is Correct)

Q 75 : The type of chordate which has notochord growing ahead of head in front is...

Marks : 1

- 1 . Cephalochordate
- 2 . urochordate
- 3 . hemichordate
- 4 . all of these

(This Answer is Correct)

Q 76 : Inferior ovary is not found in the following flower:

Marks : 1

- 1 . Datura
- 2 . cucumber
- 3 . sunflower
- 4 . guava

(This Answer is Correct)

Q 77 : Zygomorphic flower is found in the family:

Marks : 1

- 1 . Fabaceae
- 2 . malvaceae
- 3 . solanaceae
- 4 . All of these

(This Answer is Correct)

Q 78 : In the type of vascular bundle xylem an phloem are present at the same radius.

Marks : 1

- 1 . radial closed
- 2 . conjoint closed
- 3 . conjoint open
- 4 . radial open

(This Answer is Correct)

Q 79 : Function of nucleolus is:

Marks : 1

- 1 . site of active genes
- 2 . site of all RNAs
- 3 . synthesizes ribosomal RNA
- 4 . All of these

(This Answer is Correct)

Q 80 : is the integral structure of cytochromes.

Marks : 1

- 1 . Iron
- 2 . Magnesium
- 3 . Molybdenum
- 4 . Copper

(This Answer is Correct)