



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD

**Class : 9****Subject : LIFE SCIENCE****Term : FINAL TERM****Max Marks : 80****Q 1 :** What is the by product of photosynthesis?**Marks : 1**

1. H₂O
2. NADPH₂
- 3. O₂**
4. ATP

 (This Answer is Correct)**Q 2 :** Light reaction is also called reaction because of chemical reactions taking place in sunlight.**Marks : 1**

1. light dependent
2. light independent
3. photolysis
- 4. photochemical**

 (This Answer is Correct)**Q 3 :** The product of C 1 cycle is which results in global warming.**Marks : 1**

1. CO₂
2. HCl
- 3. CH₄**
4. OAA

 (This Answer is Correct)**Q 4 :** Amino acids like methionine and cystine consists of the following element besides N,O,C and H.....**Marks : 1**

1. Copper
2. Zinc
3. Silicon
- 4. Sulphur**

 (This Answer is Correct)**Q 5 :** The following element helps in photolysis of water:**Marks : 1**

1. Cobalt
- 2. Chlorine**
3. Sulphur
4. Potassium

 (This Answer is Correct)

Q 6 : Infiltration of potassium ions which produces which makes the guard cells hypertonic w.r.t. the epithelial cells. **Marks : 1**

- 1 . Potassium oxalate
- 2 . Potassium malate
- 3 . Potassium sulphate
- 4 . Potassium carbonate

(This Answer is Correct)

Q 7 : Deeply ramified root system transpiration by increasing absorption. **Marks : 1**

- 1 . Increases
- 2 . decreases
- 3 . does not affect
- 4 . equalises to absorption

(This Answer is Correct)

Q 8 : In active osmotic absorption the in the root hairs is higher than the soil. **Marks : 1**

- 1 . suction pressure
- 2 . osmotic pressure
- 3 . diffusion pressure
- 4 . Both suction and osmotic pressure

(This Answer is Correct)

Q 9 : According to Fensom and Williams ,contraction of helps in translocation of food **Marks : 1**

- 1 . P-fats
- 2 . P-proteins
- 3 . P-glycolipids
- 4 . Phosphorus

(This Answer is Correct)

Q 10 : The following is not a characteristic of a respiratory surface: **Marks : 1**

- 1 . moist surface
- 2 . multi cellular thick
- 3 . richly supplied with capillaries
- 4 . thin surface

(This Answer is Correct)

Q 11 : Rings of are present in trachea of cockroaches. **Marks : 1**

- 1 . wax
- 2 . chitin
- 3 . protein
- 4 . lipids

(This Answer is Correct)

Q 12 : The accessory respiratory organ present in Anabas is

Marks : 1

1 . Labyrinthine organ (This Answer is Correct)

2 . respiratory tube

3 . arborescent organ

4 . air sacs

Q 13 : The first stable product of Kreb's cycle is

Marks : 1

1 . citric acid (This Answer is Correct)

2 . malic acid

3 . oxalic acid

4 . tartaric acid

Q 14 : During fermentation of glucose by yeast the products are:

Marks : 1

1 . Ethanol and lactic acid

2 . lactic acid and ATP

3 . Ethanol,ATP and CO₂ (This Answer is Correct)

4 . Ethanol and ATP

Q 15 : is the habit of animals of feeding on blood.

Marks : 1

1 . Coprophagy

2 . saprozoic nutrition

3 . parasitic

4 . sanguivory (This Answer is Correct)

Q 16 : Food moves via the gastrointestinal tract because of

Marks : 1

1 . Peristalsis (This Answer is Correct)

2 . pumping

3 . dissolution

4 . all of these

Q 17 : The following is not a salivary gland:

Marks : 1

1 . Parotid gland

2 . sub mandibular gland

3 . sub lingual gland

4 . sub cutaneous gland (This Answer is Correct)

Q 18 : Gastric gland secretesfor digesting proteins.

Marks : 1

- 1 . Pepsin
- 2 . rennin
- 3 . trypsin
- 4 . chymotrypsin

(This Answer is Correct)

Q 19 : is the name of fluid which flows in the sinuses of arthropods.

Marks : 1

- 1 . haemoglobin
- 2 . haemocyanin
- 3 . haemolymph
- 4 . blood

(This Answer is Correct)

Q 20 : The fluid that surrounds the cells is called

Marks : 1

- 1 . extracellular fluid
- 2 . tissue fluid
- 3 . interstitial fluid
- 4 . all of these

(This Answer is Correct)

Q 21 : The following W.B.C is responsible for allergic responses :

Marks : 1

- 1 . Eosinophils
- 2 . basophils
- 3 . neutrophils
- 4 . monocytes

(This Answer is Correct)

Q 22 : brings deoxygenated blood from upper part of the body to the right auricle.

Marks : 1

- 1 . Pulmonary artery
- 2 . superior vena cava
- 3 . inferior vena cava
- 4 . aorta

(This Answer is Correct)

Q 23 : The initiation of the heartbeat takes place by

Marks : 1

- 1 . sinoatrial node
- 2 . atrioventricular node
- 3 . Bundle of His
- 4 . Purkinje's fibres

(This Answer is Correct)

Q 24 : Rubber is obtained from the latex of

Marks : 1

- 1 . Calotropis
- 2 . Carica
- 3 . Ficus
- 4 . Hevea

(This Answer is Correct)

Q 25 : The excretory organ of an earthworm is

Marks : 1

- 1 . Flame cells
- 2 . nephridia
- 3 . kidneys
- 4 . contractile vacuole

(This Answer is Correct)

Q 26 : Flame cell is the excretory organ of

Marks : 1

- 1 . tapeworm
- 2 . Ascaris
- 3 . Amoeba
- 4 . snails

(This Answer is Correct)

Q 27 : The tuft of capillaries present in the of the human nephron is

Marks : 1

- 1 . Bowman's capsule
- 2 . tubules
- 3 . glomerulus
- 4 . collecting duct

(This Answer is Correct)

Q 28 : The hormone which plays a vital role in the formation of urine.....

Marks : 1

- 1 . prolactin
- 2 . anti-diuretic hormone
- 3 . relaxin
- 4 . all of these

(This Answer is Correct)

Q 29 : Monosaccharides are linked by the following bond:

Marks : 1

- 1 . peptide bond
- 2 . glycosidic bond
- 3 . phosphodiester bond
- 4 . ester bond

(This Answer is Correct)

Q 30 : The structural unit of DNA is

Marks : 1

- 1 . Nucleoside
- 2 . Amino acid
- 3 . Nucleotide**
- 4 . fatty acid

(This Answer is Correct)

Q 31 : The type of plastid is present in red tomatoes.

Marks : 1

- 1 . Leucoplast
- 2 . Chloroplast
- 3 . Rhodoplast**
- 4 . Phaeoplast

(This Answer is Correct)

Q 32 : The following organelle is devoid of membrane

Marks : 1

- 1 . mitochondria
- 2 . lysosome
- 3 . chloroplast
- 4 . ribosome**

(This Answer is Correct)

Q 33 : The following is not the characteristic of a prokaryotic organism :

Marks : 1

- 1 . presence of well defined nucleus**
- 2 . presence of nucleoid
- 3 . absence of cell orgnelles
- 4 . usually unicellular

(This Answer is Correct)

Q 34 : The tissue is present in the pulp of apples and guavas.

Marks : 1

- 1 . parenchyma
- 2 . collenchyma
- 3 . fibres
- 4 . sclereids**

(This Answer is Correct)

Q 35 : The type of tissue present in the petiole and stalk of the fruit is

Marks : 1

- 1 . Sclerenchyma
- 2 . meristematic
- 3 . parenchyma
- 4 . collenchyma**

(This Answer is Correct)

Q 36 : The multilayered epithelial tissue is called: **Marks : 1**

- 1 . simple epithelium
- 2 . pseudostratified epithelium
- 3 . stratified epithelium** (This Answer is Correct)
- 4 . all of these

Q 37 : The type of muscles which are having striations but are involuntary in function are called..... **Marks : 1**

- 1 . Cardiac muscles** (This Answer is Correct)
- 2 . skeletal muscles
- 3 . smooth muscles
- 4 . involuntary muscles

Q 38 : The human testes produces the hormone **Marks : 1**

- 1 . Oestrogen
- 2 . progesterone
- 3 . testosterone** (This Answer is Correct)
- 4 . androgen

Q 39 : The stinging cells of cnidarians are called **Marks : 1**

- 1 . Ostia
- 2 . osculum
- 3 . cnidoblasts** (This Answer is Correct)
- 4 . tentacles

Q 40 : The is the locomotary organ of echinoderms. **Marks : 1**

- 1 . setae
- 2 . tube feet** (This Answer is Correct)
- 3 . muscular foot
- 4 . none of these

Q 41 : The sub phylum in which the notochord passes ahead of the brain in front is **Marks : 1**

- 1 . Cephalochordata** (This Answer is Correct)
- 2 . Urochordata
- 3 . Hemichordata
- 4 . Vertebrata

Q 42 : The voice box of Aves is called

Marks : 1

- 1 . trachea
- 2 . larynx
- 3 . syrinx**
- 4 . none of these

(This Answer is Correct)

Q 43 : The process by which chlorophyll gets oxidised in presence of excessive sunlight is called.....

Marks : 1

- 1 . Solarisation**
- 2 . oxidation
- 3 . activation
- 4 . chlorosis

(This Answer is Correct)

Q 44 : Dark reaction takes place in the of chloroplast.

Marks : 1

- 1 . membrane
- 2 . periplastidial space
- 3 . stroma**
- 4 . thylakoid

(This Answer is Correct)

Q 45 : Transpiration which takes place from the pores present on the leaves is called

Marks : 1

- 1 . Cuticle
- 2 . lenticels
- 3 . stomata**
- 4 . all of these

(This Answer is Correct)

Q 46 : The exchange of gases takes place by the process of

Marks : 1

- 1 . osmosis
- 2 . active transport
- 3 . plasmolysis
- 4 . diffusion**

(This Answer is Correct)

Q 47 : Ascent of sap is dependent on the following factor/s:

Marks : 1

- 1 . adhesive force
- 2 . cohesive force
- 3 . transpiration pull
- 4 . all of these**

(This Answer is Correct)

Q 48 : The bulk flow hypothesis was proposed by :

Marks : 1

1. Curtis
2. Fensom and Williams
- 3. Munch**
4. Dixon and Jolly

(This Answer is Correct)

Q 49 : Plant circulation includes

Marks : 1

1. Only absorption
2. Only ascent of sap
3. Only translocation of food
- 4. all of these**

(This Answer is Correct)

Q 50 : Cutaneous respiration is found in the following animal/s:

Marks : 1

1. earthworm
2. tapeworm
3. frogs
- 4. all of these**

(This Answer is Correct)

Q 51 : In sharks and rays the number of gills is usually in number.

Marks : 1

1. 3
2. 7
- 3. 5**
4. 8

(This Answer is Correct)

Q 52 : Consumption of feces by organisms is termed as

Marks : 1

1. symbiosis
- 2. coprophagy**
3. parasitic
4. saprozoic

(This Answer is Correct)

Q 53 : The process of removal of undigested food from the anus is called

Marks : 1

1. Ingestion
2. assimilation
- 3. egestion**
4. excretion

(This Answer is Correct)

Q 54 : Who among the following requires most number of calories per day? **Marks : 1**

1 . Active male (This Answer is Correct)

2 . active child

3 . sedentary male

4 . active female

Q 55 : The fluid is present in between the brain and the skull. **Marks : 1**

1 . pericardial fluid

2 . peritoneal fluid

3 . cerebrospinal fluid (This Answer is Correct)

4 . pleural fluid

Q 56 : The following W.B.C. is not a granulocyte; **Marks : 1**

1 . Eosinophils

2 . monocyte (This Answer is Correct)

3 . neutrophils

4 . basophils

Q 57 : The type of sugar found in the RNA is called **Marks : 1**

1 . Ribose (This Answer is Correct)

2 . Ribulose

3 . Deoxyribose

4 . Xylose

Q 58 : The following is the chief function of fats in our body: **Marks : 1**

1 . Insulation

2 . stores energy

3 . component of cell membrane

4 . all of these (This Answer is Correct)

Q 59 : is useful in blood clotting. **Marks : 1**

1 . vitamin K (This Answer is Correct)

2 . Vitamin A

3 . Vitamin B

4 . Vitamin C

Q 60 : The inner membranous folding present in the mitochondria are called..... **Marks : 1**

1. Matrix
2. Cristae
3. ATPase
4. Thylakoids

(This Answer is Correct)

Q 61 : The following structure initiates cell division in an animal cell: **Marks : 1**

1. Mitochondria
2. Plastid
3. Centrioles
4. Golgi bodies

(This Answer is Correct)

Q 62 : The meristematic tissue present in the apices of the plant is called meristem. **Marks : 1**

1. apical
2. intercalary
3. lateral
4. none of these

(This Answer is Correct)

Q 63 : The living component of xylem is : **Marks : 1**

1. trachea
2. Xylem parenchyma
3. Xylem fibres
4. Xylem tracheids

(This Answer is Correct)

Q 64 : The following is a type of connective tissue in animals: **Marks : 1**

1. collagen fibres
2. elastic fibres
3. reticular fibres
4. all of these

(This Answer is Correct)

Q 65 : The spinal cord is protected by the bony structure called..... **Marks : 1**

1. sternum
2. ribcage
3. vertebral column
4. all of these

(This Answer is Correct)

Q 66 : The largest lymphatic organ in the human body is

Marks : 1

1. Lungs
2. Spleen
3. Tonsils
4. Thymus gland

(This Answer is Correct)

Q 67 : The largest phylum of Animal Kingdom is

Marks : 1

1. Annelida
2. Mollusca
3. Echinodermata
4. Arthropoda

(This Answer is Correct)

Q 68 : The primary fixation of CO₂ in C-4 plants is done by the compound

Marks : 1

1. Pyruvic acid
2. Phosphoenol pyruvate
3. Ribulose bi phosphate
4. Glucose 6 phosphate

(This Answer is Correct)

Q 69 : The biosynthetic pathway where oxygen is utilised and carbon dioxide is evolved in presence of light

Marks : 1

1. Photo respiration
2. photo oxidation
3. photo phosphorylation
4. respiration

(This Answer is Correct)

Q 70 : element forms the cell wall of diatoms.

Marks : 1

1. Sodium
2. Zinc
3. Silicon
4. Copper

(This Answer is Correct)

Q 71 : The sugary solution in resin is w.r.t. water in the bowl it is kept in.

Marks : 1

1. hypertonic
2. hypotonic
3. isotonic

(This Answer is Correct)

4 . none of these

Q 72 : The breathing roots of mangroves are called

Marks : 1

- 1 . Pneumatophores
- 2 . stomata
- 3 . stilt roots
- 4 . aerial roots

(This Answer is Correct)

Q 73 : Inspiration in humans takes place due to :

Marks : 1

- 1 . contraction of external intercostal muscles
- 2 . flattening of the diaphragm
- 3 . relaxation of internal intercostal muscles
- 4 . all of these

(This Answer is Correct)

Q 74 : The process of mechanical digestion of food in the mouth is called

Marks : 1

- 1 . grinding
- 2 . mastication
- 3 . churning
- 4 . none of these

(This Answer is Correct)

Q 75 : Blood clot is made up of

Marks : 1

- 1 . Prothrombin
- 2 . fibrin fibres
- 3 . fibrinogen
- 4 . thrombin enzyme

(This Answer is Correct)

Q 76 : Alkaloid ephedrine is used as a

Marks : 1

- 1 . Malarial drug
- 2 . sedative
- 3 . bronchodialator
- 4 . narcotic

(This Answer is Correct)

Q 77 : Cocaine is obtained from the leaves of

Marks : 1

- 1 . Strychnos
- 2 . Nicotiana

3 . Atropa

4 . Erythroxyton



(This Answer is Correct)

Q 78 : The network of capillaries present around the loop of Henle is called

Marks : 1

1 . Glomerulus

2 . renal capillaries

3 . vasa recta

4 . none of these



(This Answer is Correct)

Q 79 : The horizontally furrowed structure of brain situated behind the brainstem

Marks : 1

1 . cerebellum

2 . cerebrum

3 . medulla

4 . pons



(This Answer is Correct)

Q 80 : The round worm which causes filaria.....

Marks : 1

1 . Wuchereria

2 . Ascaris

3 . Pheretima

4 . Hirudinaria



(This Answer is Correct)
