



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD

**Class : 9****Subject : LIFE SCIENCE****Term : FIRST TERM****Max Marks : 60****Q 1 :** Which of the following type of epithelial tissue is found in the enamel of the teeth?**Marks : 1**

1. Squamous
2. Columnar
- 3. Stratified**
4. Glandular

 (This Answer is Correct)**Q 2 :** Which of the following is not a part of the connective tissue?**Marks : 1**

1. Matrix
2. Protein fibres
- 3. Starch granules**
4. Cells

 (This Answer is Correct)**Q 3 :** The cell that does not belong to connective tissue is**Marks : 1**

1. Fibroblasts
2. Macrophages
3. Mast Cells
- 4. Neuron**

 (This Answer is Correct)**Q 4 :** Which of the following is not a type of fibre?**Marks : 1**

1. Collagen
- 2. Fibroblast**
3. Elastin
4. Reticular

 (This Answer is Correct)**Q 5 :** Which of the following muscles are branched and uninucleated?**Marks : 1**

1. Skeletal
2. Smooth Muscle
- 3. Cardiac**
4. All of the above

 (This Answer is Correct)

Q 6 : The supporting cells of the nervous system are

Marks : 1

1. Nerve fibres
2. Neuroglia
3. Neurons
4. Nerves

(This Answer is Correct)

Q 7 : Pancreas is

Marks : 1

1. Extrinsic Gland
2. Endocrine Gland
3. Exocrine Gland
4. All of the above

(This Answer is Correct)

Q 8 : Which organ is referred to as 'the graveyard of RBCs'?

Marks : 1

1. Heart
2. Spleen
3. Kidneys
4. Liver

(This Answer is Correct)

Q 9 : The hormone secreted by the kidney is

Marks : 1

1. Insulin
2. Rennin
3. Glucagon
4. Oxytocin

(This Answer is Correct)

Q 10 : The detoxification of the body of poison is done by

Marks : 1

1. Kidneys
2. Spleen
3. Liver
4. Lungs

(This Answer is Correct)

Q 11 : The male sex hormone is

Marks : 1

1. Estrogen
2. Progesterone
3. Testosterone
4. Prolactin

(This Answer is Correct)

Q 12 : Which of the following glands is ductless?

Marks : 1

1. Salivary gland
2. Liver
- 3. Ovary**
4. Sweat gland

(This Answer is Correct)

Q 13 : Which of the following does not perform photosynthesis?

Marks : 1

1. Calyx of flowers
- 2. Corolla of flowers**
3. Phylloclade of Cactus
4. Fruit coat of young fruits

(This Answer is Correct)

Q 14 : Velamen is present in

Marks : 1

1. Sunflower
2. Banyan
- 3. Orchids**
4. Hydrilla

(This Answer is Correct)

Q 15 : For reduction of CO₂, the hydrogen donor is

Marks : 1

1. Glucose
2. ATP
3. Chlorophyll
- 4. Water**

(This Answer is Correct)

Q 16 : The number of Oxygen atoms in one molecule of Chlorophyll b is

Marks : 1

1. 5
- 2. 6**
3. 7
4. 4

(This Answer is Correct)

Q 17 : Which of the following coloured light is not absorbed by the photosynthetic pigments?

Marks : 1

1. Blue
2. Orange
- 3. Green**
4. Yellow

(This Answer is Correct)

Q 18 : Hill reagent is

Marks : 1

1. NADPH
2. ATP
3. ADP
- 4. NADP**

(This Answer is Correct)

Q 19 : Which of the following is not an end product of the light reaction ?

Marks : 1

1. ATP
- 2. Glucose**
3. Oxygen
4. NADPH₂

(This Answer is Correct)

Q 20 : The number of Carbon atoms present in PGA_{id} is

Marks : 1

1. 6
2. 2
- 3. 3**
4. 4

(This Answer is Correct)

Q 21 : Which of the following is not a macroelement?

Marks : 1

1. Phosphorus
2. Nitrogen
- 3. Copper**
4. Calcium

(This Answer is Correct)

Q 22 : Which of the following elements help in cell wall formation in diatoms?

Marks : 1

1. Copper
2. Calcium
3. Manganese
- 4. Silicon**

(This Answer is Correct)

Q 23 : The cells around the lenticels are called

Marks : 1

1. Epithem
2. Phellogen
- 3. Complementary Cells**
4. Stomata

(This Answer is Correct)

Q 24 : The osmotic potential of the guard cells increase during the daytime because of conversion of starch to **Marks : 1**

- 1 . Glucose
- 2 . Fructose-6-Phosphate
- 3 . Fructose-6-Phosphate
- 4 . Glucose -6-Phosphate

(This Answer is Correct)

Q 25 : During daytime, due to potassium infiltration, the guard cells become **Marks : 1**

- 1 . Osmotically active
- 2 . Turgid
- 3 . Osmotically active and turgid
- 4 . None of the above

(This Answer is Correct)

Q 26 : Increase in the atmospheric pressure **Marks : 1**

- 1 . Reduces the transpiration rate
- 2 . Increases the transpiration rate
- 3 . Has no effect
- 4 . None of the above

(This Answer is Correct)

Q 27 : Deep ramified root **Marks : 1**

- 1 . Reduces the transpiration
- 2 . Increases the transpiration
- 3 . Reduces the absorption of water
- 4 . Has no effect

(This Answer is Correct)

Q 28 : Which of the following hormones has an effect on stomatal opening and closing **Marks : 1**

- 1 . Auxin
- 2 . Gibberellin
- 3 . Cytokinin
- 4 . Ethylene

(This Answer is Correct)

Q 29 : Casparian strips are present in **Marks : 1**

- 1 . Epidermis
- 2 . Endodermis
- 3 . Pericycle
- 4 . Cortex

(This Answer is Correct)

Q 30 : Which of the following structure allow mangroves to survive in waterlogged soils? **Marks : 1**

- 1 . Stomata
- 2 . Lenticel
- 3 . Pneumatophores** (This Answer is Correct)
- 4 . Leaves

Q 31 : In insects , the tracheae are supported by rings , strengthened by **Marks : 1**

- 1 . Cartilage
- 2 . Pectin
- 3 . Cutin
- 4 . Chitin** (This Answer is Correct)

Q 32 : In horses, lungs are surrounded by **Marks : 1**

- 1 . Myocardium
- 2 . Diaphragm
- 3 . Pleura** (This Answer is Correct)
- 4 . Epineurium

Q 33 : Which of the following fishes do not have accessory respiratory organs? **Marks : 1**

- 1 . Anabas
- 2 . Labeo** (This Answer is Correct)
- 3 . Clarias
- 4 . Heteropneustes

Q 34 : In the model showing breathing in human beings , the rubber sheet represents **Marks : 1**

- 1 . Diaphragm** (This Answer is Correct)
- 2 . Lungs
- 3 . Ribs
- 4 . Intercostal muscles

Q 35 : Which of the following diseases is not common among the smokers? **Marks : 1**

- 1 . Bronchitis
- 2 . Silicosis** (This Answer is Correct)
- 3 . Emphysema
- 4 . Lung cancer

Q 36 : Histology is the study of

Marks : 1

- 1 . Cells
- 2 . Tissues**
- 3 . Organs
- 4 . Organ System

(This Answer is Correct)

Q 37 : The epithelial tissue having cells with greater height than their breadth are called

Marks : 1

- 1 . Squamous
- 2 . Cuboidal
- 3 . Columnar**
- 4 . Glandular

(This Answer is Correct)

Q 38 : In the salivary glands, we find _____ epithelium

Marks : 1

- 1 . Ciliated
- 2 . Cuboidal
- 3 . Columnar
- 4 . Glandular**

(This Answer is Correct)

Q 39 : The muscle cells are called

Marks : 1

- 1 . Osteocytes
- 2 . Chondrocytes
- 3 . Myocytes**
- 4 . Adipocytes

(This Answer is Correct)

Q 40 : Stomach helps in killing pathogens by secretion of

Marks : 1

- 1 . Mucus
- 2 . Pepsin
- 3 . Hydrochloric Acid**
- 4 . All of the above

(This Answer is Correct)

Q 41 : The organ that is not situated within the abdominal cavity is

Marks : 1

- 1 . Stomach
- 2 . Kidney
- 3 . Spleen
- 4 . Heart**

(This Answer is Correct)

Q 42 : The first sugar produced in C2 pathway is

Marks : 1

1. Phosphoglyceric Acid
2. OAA
- 3. Phosphoglycolic Acid**
4. Malic Acid

(This Answer is Correct)

Q 43 : A respiratory surface is covered with

Marks : 1

1. Skeletal tissue
- 2. Epithelial Cells**
3. Nervous tissue
4. Connective cells

(This Answer is Correct)

Q 44 : Frogs use _____ as their respiratory surface.

Marks : 1

1. Gills
- 2. Skin**
3. Lungs
4. Nephridia

(This Answer is Correct)

Q 45 : The lower respiratory tract does not include

Marks : 1

1. Bronchi
2. Trachea
3. Bronchioles
- 4. Nose**

(This Answer is Correct)

Q 46 : Yoga helps in

Marks : 1

1. Attention
2. Relaxation
3. Flexibility
- 4. All of the above**

(This Answer is Correct)

Q 47 : The camel's hump is composed of a tissue which provides water when oxidised. It is

Marks : 1

1. Skeletal
2. Muscular
3. Areolar
- 4. Adipose**

(This Answer is Correct)

Q 48 : Which of the following organs maintain a constant internal body temperature? **Marks : 1**

1 . Skin (This Answer is Correct)

2 . Stomach

3 . Lungs

4 . Spleen

Q 49 : The lobe of the cerebral cortex of the brain which is present by the side is **Marks : 1**

1 . Frontal lobe

2 . Parietal lobe

3 . Temporal lobe (This Answer is Correct)

4 . Occipital lobe

Q 50 : Which of the following parts does not belong to the brain stem? **Marks : 1**

1 . Midbrain

2 . Cerebellum (This Answer is Correct)

3 . Medulla oblongata

4 . Pons

Q 51 : Leaves are best suited for photosynthesis because- **Marks : 1**

1 . They are aerial parts

2 . Have more surface area (This Answer is Correct)

3 . Have xylem vessels

4 . Have differentiated cells

Q 52 : In photosynthesis, glucose is formed from **Marks : 1**

1 . PGA

2 . PGAlD (This Answer is Correct)

3 . RuBP

4 . CO2

Q 53 : The initial CO2 fixation in C4 pathway is done by **Marks : 1**

1 . RuBisCO

2 . PEPcarboxylase (This Answer is Correct)

3 . Hexokinase

4 . RuDP carboxylase

Q 54 : Reverse circadian rhythm can be observed in

Marks : 1

- 1 . Grasses
- 2 . Mango
- 3 . Maize
- 4 . Cactus**

(This Answer is Correct)

Q 55 : The waxy layer on the leaves that prevent transpiration is made of

Marks : 1

- 1 . Suberin
- 2 . Cutin**
- 3 . Pectin
- 4 . Lignin

(This Answer is Correct)

Q 56 : In which of the following processes, osmosis has no role ?

Marks : 1

- 1 . Dehiscence of the anther lobes
- 2 . Turgidity of cells
- 3 . Supporting small herbs
- 4 . Conversion of ovule to seeds**

(This Answer is Correct)

Q 57 : The absorption of water from soil from lower to its higher concentration is

Marks : 1

- 1 . Diffusion
- 2 . Active osmotic absorption
- 3 . Active non -osmotic absorption**
- 4 . Ascent of sap

(This Answer is Correct)

Q 58 : Which of the following organisms do not use its body temperature for respiration?

Marks : 1

- 1 . Liver fluke
- 2 . Tapeworm
- 3 . Earthworm
- 4 . Ascaris**

(This Answer is Correct)

Q 59 : The gills are protected by

Marks : 1


- 1 . Gill arch
- 2 . Gill rakers**
- 3 . Gill filaments
- 4 . Lamellae

(This Answer is Correct)

Q 60 : In our lungs, during exhalation

Marks : 1

- 1 . Ribs descend
 - 2 . Ribs ascend
 - 3 . Diaphragm flattens
 - 4 . Air pressure reduces
-

 (This Answer is Correct)