LITTLE FLOWER SCHOOL, RAPTINAGAR, GORAKHPUR FIRST SEMESTER EXAMINATION 2020—2021

C	class-V	Time: 2 Hours	Time: 2 Hours			
<u>I</u>	Biology		Max Marks: 10	0		
I.	Fill in	the blanks.	$[10 \times 1 = 10]$			
	1) The	edivides continuously to produ	ace millions of cells.			
	2) The	e cells of meristematic tissues are sma	ll and			
	3)	conducts water and minerals up	wards.			
	4)	and are a type of fluid co	onnective tissue.			
		luntary muscles are also known as				
	6) Oxygen escapes from the plant body through					
	7) The process of respiration takes place both inand					
	8) Th	e energy released during respiration is	s stored in the form of			
		e gas released during photosynthesis is				
	10) Pla	nts that have white and green parts in	the same leaf are called			
II.	Ctata t	wyo on folgo.	[10/1_10]			
11.	State true or false:- [10×1=10]					
		1) Simple tissues are made up of many types of cells. 2) Solve a least of the deally with a content of				
	•	Sclerenchyma tissue consists of dead cells with no protoplasmic contents.				
		aments connect muscles to bones.				
		Cs of frog contain nuclei.				
		arons join together to form cyton.				
		Green plants respire anaerobically.				
		Growing parts of a plant respire actively.				
		3) In cactus, photosynthesis takes place in the stem.				
		9) Normally, stomata remain close during the day.10) As the amount of carbon dioxide in the air increases, the rate of photosynthesis also				
		the amount of carbon dioxide in the a reases.	ir increases, the rate of photosynthesis also			
III.	Choose	e the correct option:-	$[10 \times 1 = 10]$			
	1) A g	group of similar cells which perform a	a specific function are called			
	8	a) Tissue	b) Organ.			
	t	o) Organ system	d) Organism			
	2) Va	scular bundles are formed of				
	8	a) Parenchyma and Collenchyma	b)Collenchyma and Sclerenchyma			
	C	c) Xylem and Phloem	d) Xylem and Sclerenchyma			
	3) Blo	ood is a				
	8	a) Connective tissue	b) Epithelial tissue			
	C	c) Supportive tissue	d) Nervous tissue			
	4) Ne	rvous tissue is made up of specialised	cells called			
	8	n) Neurons	b)Cyton.			
	C	e) Axons	d) Dendrites			
	5) Wi	5) Which of these muscles constitute about 50% of the body weight?				
		a) Striated muscles	b) Unstriated muscles			
	(c) Cardiac muscles	d) All of them together			

6) Which part of the pl	•					
a) Vegetative bu	ds	b) Germinating seeds				
c) Tip of stem		d) Adult organs				
7) Extra glucose synthe						
a) Insoluble stard	ch	b) Soluble starch				
c) Soluble sugar		d) None of these				
8) Photosynthesis is in	-					
a) Synthesizes for		b) Purifies atmosphere				
c) Maintains a ba		d) All of these gases in the atmosphere.				
9) The end products of	aerobic respiration are					
a) CO ₂		b) $CO_2 + H_2O$				
c) $CO_2 + H_2O +$	= -	d) CO_2 + energy				
10) This is used to test t	=					
a) Iodine solution	n	b) Copper sulphate solution				
c) Salt solution		d) Mercury				
Match the following:-		$[10 \times 1 = 10]$				
Column a	Column b					
1 Collenchyma	(a) Stomach					
2 Lateral meristem	(b) Petiole					
3 Skeletal tissue	(c) Tendon					
4 Fibrous tissue	(d) Bone					
5 Involuntary muscles	(e) Circumference					
6 Index of life	(f) Conduction					
7 Variegated leaves	(g) Stomata					
8 Xylem9 Guard cells	(h) Croton(I) Lenticels					
10 Mature stem	(j) Respiration					
10 Mature Stelli	(j) Respiration					
Identify the error(s) in	the given statements	:- [5×1=5]				
1) Permanent tissue is made up of group of cells which divide continuously and very fast.						
2) Protective tissue is also known as vascular tissue.						
3) Lymph can also be c	,					
4) During photosynthesis, released carbon dioxide escapes through stomata.						
	f light, slower is the ra	<u> </u>				
Name the following:-		[5×1=5]				
_	at the base of nodes	[5/1-5]				
 Plant tissue located at the base of nodes. Minute spaces in which bone cells are present. 						
3) Cartilage cell.						
4) The process by which food releases energy.						
5) Organisms which respire in the absence of oxygen.						
o, organisms which ter	pris in the absence of	onj 50m.				

IV.

V.

VI.

VII.

 $[2 \times 2 = 4]$

Differentiate between the following.(Any 2)

1) Meristematic tissue and Permanent tissue

3) Aerobic respiration and Anaerobic respiration

2) Bone and Cartilage

VIII. Give reasons for the following statements.(Any3)

 $[3 \times 2 = 6]$

- 1) Intercellular spaces are absent between the cells of collenchyma.
- 2) Areolar tissue is the most widely distributed connective tissue in animals.
- 3) Leaves are reduced to spines in desert plants like cacti.
- 4) Photosynthesis purifies atmosphere.

IX. Explain the following terms.(Any2)

 $[2 \times 3 = 6]$

- 1) Life processes
- 2) Parenchyma
- 3) Fibrous tissue
- 4) ATP

X. Answer in short. (Any 4)

 $[4 \times 3 = 12]$

- 1) Describethe structure and function of cardiac muscles.
- 2) Why is blood known as the fluid connective tissue?
- 3) How does photosynthesis occur in plants with red or brown leaves?
- 4) Give the word equation for aerobic and anaerobic respiration.
- 5) What is neuron?

XI. Answer in detail. (Any 4)

 $[4 \times 4 = 16]$

- 1) Write a note on vascular system of plants.
- 2) Describe in brief about the various types of tissues found in animals.
- 3) Write a note on Nervous tissue.
- 4) Describe the process of photosynthesis give its significance.
- 5) How does respiration take place in plants?
- 6) Describe any two factors that affect photosynthesis.

XII. Draw a well labelled diagram (any one)

[1X6=6]

- 1) Structure of the stomata
- 2) Types of muscular tissue