## KENDRIYA VIDYALAYA BHU CAMPUS VARANASI (1<sup>st</sup> SHIFT) HALF YEARLY - 2024-25

SUB - SCIENCE CLASS - VII

TIME – 2:30 HOURS M.M. - 60

	All the question are compulsory  Marks for each question is indicated against it.  Multiple choice questions (1x10=10)			
	ng heavy exercise, we get cramps in t	he less due to acc		
	arbon dioxide (b) lactic acid	(c) alcohol	(d) water	
` '	at from the sun reaches to us by	(c) alcollor	(u) water	
	•	c) Convection	(d) All of those	
• •	nenolphthalein is a synthetic indica	•	• •	
	•	itor ariu its coloui	is in acidic and basic solutions	
•	ctively are	(b) blue and	Irad	
<ul><li>(a) red and blue</li><li>(c) pink and colourless</li></ul>		` '	<ul><li>(b) blue and red</li><li>(d) colourless and pink</li></ul>	
. , .	hich gland secretes bile juice?	(d) colodiles	ss and plink	
		(c) Bladder	(d) All of these	
(a) Liv	otosynthesis will not occur in leave	` '	. ,	
	-			
. , .	ard cells (b) chlorophyll (c) vacuol	, ,	space between cells her and they benefit each other. Such	
	sociation of organisms is termed a	•	ner and they benefit each other. Such	
	<u> </u>	autotroph	(d) symbiosis	
` '	ne pumping organ of our circulatory s	•	(d) symbiosis	
(a) hea		(c) veins	(d) all of these	
	ungus is a example of	(c) veins	(d) an of these	
		(c) caprotron	.h (d) host	
	totroph (b) parasite			
	ame the term which means 'taking		•	
` '	chalation (b) Inhalation	(c) Breathin	g (d) Respiration	
	e bile plays an important role in the d	_	(d) stouch	
	bohydrates (b) fats	(c) sugar	(d) starch	
۷.	Mark 'T' if the statement is true ar		(1x5=5)	
	<ul><li>a) Carbon dioxide is released during photosynthesis.</li><li>b) Yeast and mushroom are autotrophs.</li></ul>			
	•	•		
	c) Amoeba is a multicellular organis	sm.		
	d) Rusting is a chemical change.		_	
	e) The range of laboratory thermon			
3.	Match column I with functions given in column II (1x5=5)		(1x5=5)	
	Column I	column II		
	i) Stomata	a) absorption		
	ii) Xylem	b) transpiration		
	iii) Root hairs	c) transport o	f food	
	iv) Phloem	d) transport of	f water	
	v) Antacid		acidity in the stomach	
4.	Fill the blanks in the following stater	nents	(1x5=5)	
	a) Organisms which can survive in t	he absence of air a	are known as	
	b) The chemical name of baking so	da is		
	c) Temperature is measured in degi	ree		
	d) The stomach release hydrochlori	c acid and juid	ce which act on.	

e) Haemoglobin is present in -----cell.

## 5. Give one word or one sentence answer:

(1x5=5)

- a) Name the process by which plants prepare their own food.
- b) What is the range of clinical thermometer?
- c) What is the effect of acid and base on litmus?
- d) What is galvanization?
- e) Write two difference between aerobic and anaerobic respiration.

## 6. Answer the following questions:

(3x5=15)

- a) Why do you rub baking soda or calamine solution when an ant bite us?
- b) While constructing a house in coastal areas, in which direction should the windows preferable face and why?
- c) Write the difference between autotrophic and heterotrophic mode of nutrition.
- d) Name the various types of teeth of human beings. Write their function.
- e) Why does an athlete breathe faster and deeper than usual after finishing the race?

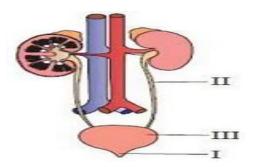
## 8. Draw neat, clean and labelled diagram of the following:

(5x3=15)

(a) Human heart



(b) Excretory system



(c) Stomata

