

KENDRIYA VIDYALAYA BHU CAMPUS VARANASI (1st SHIFT)

HALF YEARLY - 2024-25

SUB – SCIENCE CLASS – VII

TIME – 2:30 HOURS

M.M. - 60

General instructions:

- 1. All the question are compulsory**
- 2. Marks for each question is indicated against it.**

1. Multiple choice questions

(1x10=10)

- (i) During heavy exercise, we get cramps in the legs due to accumulation of
(a) Carbon dioxide (b) lactic acid (c) alcohol (d) water
- (ii) Heat from the sun reaches to us by
(a) Radiation (b) Conduction (c) Convection (d) All of these
- (iii) Phenolphthalein is a synthetic indicator and its colours in acidic and basic solutions respectively are
(a) red and blue (b) blue and red
(c) pink and colourless (d) colourless and pink
- (iv) Which gland secretes bile juice?
(a) Liver (b) Pancreas (c) Bladder (d) All of these
- (v) Photosynthesis will not occur in leaves in the absence of
(a) guard cells (b) chlorophyll (c) vacuole (d) space between cells
- (vi) When two organisms are good friends and live together and they benefit each other. Such an association of organisms is termed as
(a) saprophyte (b) parasite (c) autotroph (d) symbiosis
- (vii) The pumping organ of our circulatory system is?
(a) heart (b) artery (c) veins (d) all of these
- (viii) Fungus is a example of
(a) Autotroph (b) parasite (c) saprotroph (d) host
- (ix) Name the term which means 'taking in of air rich in oxygen into the body'.
(a) Exhalation (b) Inhalation (c) Breathing (d) Respiration
- (x) The bile plays an important role in the digestion of
(a) Carbohydrates (b) fats (c) sugar (d) starch

2. Mark 'T' if the statement is true and 'F' if it is false.

(1x5=5)

- Carbon dioxide is released during photosynthesis.
- Yeast and mushroom are autotrophs.
- Amoeba is a multicellular organism.
- Rusting is a chemical change.
- The range of laboratory thermometer -10 to 110 °C

3. Match column I with functions given in column II

(1x5=5)

Column I

- Stomata
- Xylem
- Root hairs
- Phloem
- Antacid

column II

- absorption of water
- transpiration
- transport of food
- transport of water
- neutralizes acidity in the stomach

4.Fill the blanks in the following statements

(1x5=5)

- Organisms which can survive in the absence of air are known as
- The chemical name of baking soda is ----
- Temperature is measured in degree -----
- The stomach release hydrochloric acid and ---- juice which act on.
- 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?

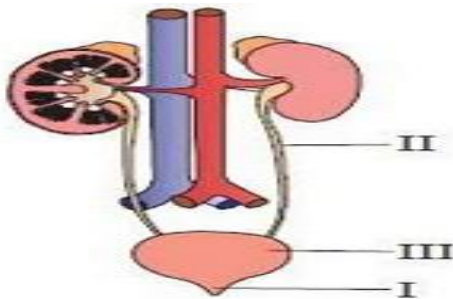
8. Draw neat, clean and labelled diagram of the following:

(5x3=15)

(a) Human heart



(b) Excretory system



(c) Stomata

