

MAHESHWARI PUBLIC SCHOOL, AJMER.

CLASS TEST 2; SESSION: 2018-2019

CLASS: VII; SUBJECT: SCIENCE

Time Allowed: 40 Min.

Maximum Marks: 20

General Instructions:

1. All questions in this paper are compulsory.
2. Marks are indicated against each question.

A. Choose the correct option from any four of the following: (1/2x4=2)

1. When we do heavy exercise, anaerobic respiration takes place in our muscle cells. What is produced during this process?
(a) CO₂ and Alcohol (b) Lactic acid and Alcohol
(c) Lactic acid and CO₂ (d) Lactic acid only
2. In plants, water is transported through
(a) Xylem (b) Phloem
(c) Stomata (d) Root hair
3. In cockroaches, air enters the body through
(a) Lungs (b) Gills
(c) Spiracles (d) Skin
4. Energy from food is released by the process of
(a) Digestion (b) Respiration
(c) Circulation (d) Excretion
5. Normal range of breathing rate per minute in an average adult person at rest is
(a) 9-12 (b) 15-18
(c) 21-24 (d) 30-33

B. Fill any four of the Blanks: (1/2x4=2)

1. Earthworms breathe through their _____.
2. Anaerobic respiration results in the formation of CO₂ and _____.
3. Kidneys eliminate the waste material in the liquid form called _____.
4. Haemoglobin is present in _____ cells.
5. The lower chambers of the heart are termed as _____.

C. Match the Following (1/2x4=2)

- | Column A | Column B |
|--------------|--------------------------------|
| 1. Root hair | (a) Alcohol. |
| 2. Leaves | (b) Oxygenated blood. |
| 3. Yeast | (c) Absorption of water. |
| 4. Arteries | (d) Synthesis of carbohydrate. |

D. The following statements are incorrect, write any two correct statements. (1x2=2)

1. Haemoglobin provides yellow colour to the blood plasma.
2. Fish has lungs for respiration.
3. The pulse rate of a resting person is usually between 50 to 60 beats per minute.

E. Answer any 4 of the following in one word. (1/2x4=2)

1. Muscular floor of chest cavity.
2. Name an organism with tracheal system.
3. Name an instrument used to listen to the heartbeat.

4. What are blood vessels that carry deoxygenated blood called?

5. What takes deoxygenated blood from the heart to lungs?

F. Answer any three of the following in one sentence.

(1x3=3)

1. What are the constituents of urine?

2. What is the function of gills?

3. What is the function of vascular tissue called phloem?

4. Write in equation form the anaerobic respiration taking place in yeast.

G. Answer the following.

(2x2=4)

1. Give two functions of stomata.

OR

Write two points of difference between arteries and veins.

2. Why does an athlete breathe faster and deeper than usual after finishing the race?

H. Draw a diagram of the human excretory system and label any 4 parts.

OR

Draw a schematic diagram of circulation and label any 4 parts.

(1+1/2x4=3)
