

ST. ARNOLD'S CENTRAL SCHOOL,PUNE.  
PERIODIC TEST- 2 , 2017-18  
SUBJECT -SCIENCE.

STD: VII

M.M: 50

Q1.Fill in the blanks.

(1x7=7)

- Excess water in plants gets evaporated through the process called \_\_\_\_\_.
- During heavy exercise the breathing rate of a person can increase up to \_\_\_\_\_ times per minute
- Pulmonary vein carries blood which is rich in \_\_\_\_\_.
- Circulation of the blood is discovered by \_\_\_\_\_.
- Aquatic animals like fishes excrete cell waste as \_\_\_\_\_.
- A large muscular sheet of the respiratory system, which forms the chest cavity, is called \_\_\_\_\_.
- Insects have a network of air tubes called \_\_\_\_\_.

Q2. Give two examples.

(2x3=6)

- Seeds which are dispersed by animals \_\_\_\_\_.
- Bisexual flowers. \_\_\_\_\_.
- Seeds which are dispersed by wind. \_\_\_\_\_.

Q3.True or False.

(1/2X4=2)

- During exhalation, ribs move down and inwards while diaphragm moves up wards.
- The major excretory substance of the human beings is uric acid.
- Gills in fish are well supplied with blood vessels.
- The inhaled air contains 21% of oxygen.

Q4. Complete the following reactions.

(1x2=2)

- Glucose +Oxygen ----- + \_\_\_\_\_ + energy.
- Glucose ----- + \_\_\_\_\_ + energy.

Q5. Define

(1X3=3)

- Zygote
- Anaerobic respiration
- Dialysis

Q6. Mention any two differences between

(2X2=4)

- Arteries and Veins.
- Asexual and sexual reproduction.

Q7. Give reasons

(2x3=6)

- We sometimes yawn when we are sleepy or drowsy.
- Blood is needed for all the parts of the body.
- Transpiration serves as a useful function in plants.

Q8). Answer the following

(2x5=10)

- Abraham is an athlete, after finishing his race his friend found him breathing faster.  
Explain what makes athletes to breathe faster and deeper after finishing their race.

b) Describe the functions of heart.

c)"Excretion is a process to eliminate waste products from our body" justify the statement.

- b) Ramana runs a nursery; he observed, the plants which are grown by stem cutting grow faster and are easy to maintain.
- (i) What type of reproduction is stem cutting?
  - (ii) Give any two advantages of this reproduction.
- e) Paheli got hurt while playing, and was bleeding continuously.
- (i) What blood cells are lacking in her body?
  - (ii) Identify the disease she is suffering from?

**Q9. Answer in detail.**

(3x2=6)

- a) Explain any two methods of asexual reproduction with examples.
- b) Discuss how transport of various substances occurs in plants.

**Q10. Draw and label the following.**

(2x2=4)

- a) Schematic diagram of circulation
- b) Self pollination and cross pollination.