

## Section –I: Objective type questions

15 X 1 = 15 M

1. Plants requires \_\_\_\_\_ gas for photosynthesis
  - a. Carbon dioxide
  - b. Oxygen
  - c. Nitrogen
  - d. Hydrogen
2. Which of the following seeds dispersed by wind
  - a. Seeds of mango, tomato, castor,
  - b. Seeds of lodge pole pine
  - c. Seeds of milkweed and maple
  - d. Seeds of beans and peas
3. The following image depicts which type reproduction process?



- a. Ground layering
  - b. Air layering
  - c. Tissue culture
  - d. Grafting
4. We inhale carbon dioxide and give out oxygen during respiration.
  - a. True
  - b. False
5. Aaron met with an accident. He had bone fracture in the leg. How can it be detected?

- a. By touching them
  - b. By seeing them
  - c. Using an X-ray
  - d. Scanning.
6. Which part of the brain works effectively while riding a motorcycle?
- a. Cerebrum
  - b. Cerebellum
  - c. Medulla oblongata
  - d. All of the above.
7. Identify the part of digestive system which helps in absorption of water from undigested food and waste.
- a. Mouth
  - b. Large intestine
  - c. Small intestine
  - d. Stomach
8. Solve the riddle – I am bean shaped, two number in number. I remove waste from human body in the form of urine. Who I am?
- a. Lungs
  - b. Heart
  - c. Kidney
  - d. Eyes.
9. The skull is made up of \_\_\_\_\_facial bones
- a. 14 bones
  - b. 10 bones
  - c. 8 bones
  - d. 12 bones
10. Calcium is required for strong bones. Identify the food product rich in calcium?
- a. Meat
  - b. Milk and milk products
  - c. Carrot and beet root
  - d. Fruits
11. Typhoid spreads through
- a. Food
  - b. Water

- c. Insects
  - d. Air
12. Air contains 78% nitrogen
- a. True
  - b. False
13. What force is being exerted in the following case – A ball falling from a building
- A. Applied force
  - B. Gravitational force
  - C. Artificial force
  - D. Frictional force
14. A machine made up of three simple machines is called as \_\_\_\_\_ machine.
15. Name the phenomenon
- Burning of fossil fuels releases toxic gases like carbon dioxide and other gases. These gases build up in the atmosphere and trap sun energy. This is called as –
- a. Ozone depletion
  - b. Global warming
  - c. Greenhouse effect
  - d. Tyndall effect

## Section –II: Short answer type questions

10 X 2 = 20 M

1. Define the term pollination?
2. List out the different ways of seed dispersal?
3. List our different organs for breathing animals?
4. What is migration? What is its need?
5. Define the terms reflex action and reflex arc?
6. How does an eye work?
7. Name the different parts of the human digestive system?
8. What is balanced diet?
9. Describe the food guide pyramid?
10. What is the composition of air?

### Section –III: Long answer type questions

10 X 3 = 30 M

1. Describe the organisation of human body?
2. What is the difference between self-pollination and cross-pollination?
3. What is germination? Describe the structure of seed with well labelled diagram?
4. Define the terms herbivore, carnivore and omnivore? Give example for each of them.
5. Describe the life cycle of butterfly with neat and labelled diagram.
6. Describe different parts of the brain with neat and labelled diagram?
7. What is excretion? Name different excretory organs present in the human body along with their functions?
8. What are deficiency diseases? Write about different types of deficiency disease with examples?
9. What are artificial satellites? Explain its application?
10. What is water purification? Mention any two methods of water purification?