

Second Term Summative Assessment - 2013-2014**Sample Question Paper****Science**

Class 7

Max Marks: 45

Time: 2hrs

General Instructions:

All questions are compulsory

Questions 1 to 5 are multiple choices questions and carry one mark each

Choose the appropriate option and write the answer in the answer sheet.

Questions 6 to 10 carry 1 mark each and must be answered in 1 or 2 sentences.

Questions 11 to 19 carry 2 marks each and must be answered in 2 or 3 sentences.

Questions 20 to 23 carry 3 marks each and must be answered in 5 or 6 sentences each.

Questions 24 carries 5 marks and must be answered in 7 or 8 sentences each.

1. Small particles of rock are changed into soil when they are
 - (a) Made into fine powder.
 - (b) Mixed with humus.
 - (c) Mixed with water.
 - (d) All of the same size.

2. Amoeba breathes through its _____ .
 - (a) Lungs
 - (b) General surface
 - (c) Alveoli
 - (d) Vacuoles

3. Capillaries exchange the following between blood and tissues:
 - (a) Oxygen, carbon dioxide, nitrogen, plasma
 - (b) Oxygen, carbon dioxide, food, wastes
 - (c) Water, plasma, WBC, RBC
 - (d) Oxygen, carbon dioxide, WBC, RBC

4. Which of the following fruits are dispersed by water?
 - (a) Mango
 - (b) Banana
 - (c) Coconut
 - (d) Groundnut

5. If a moving body covers equal distances in equal intervals of time, it is said
 - (a) To have the same velocity.
 - (b) To have uniform motion.
 - (c) To have non-uniform motion.
 - (d) None of the above.

6. What do you mean by a series circuit?

7. Define principal axis.

8. Coagulation involves the addition of _____ to impure water. This makes the _____ heavier, so that they settle at the _____.

9. Name the biotic factors.

10. Explain the term sewage system.

11. What is biological treatment?

12. Write the importance of bacteria in the forest ecosystem.

13. Define desalination. How is it carried out?

14. Draw ray diagram to show how a concave mirror can be used to obtain a real, enlarged image.

15. What is the difference between a dry cell and a car battery?

16. Express the following speed in m/s.
 - (a) 45 km/h
 - (b) 90 km/h

17. How is reproduction different from regeneration?

18. Define excretion.

19. Define anaerobic respiration.

20. Give four differences between photosynthesis and respiration.

21. Name the different excretory organs of the human body. What does each excrete?

22. Write short notes on the following:
 - (a) Grafting
 - (b) The advantages of vegetative reproduction.

23. Point out the mistakes in the following cases.

(a) Two cars move for 5 minutes and 2 minutes respectively. The second car is faster because it takes less time.

(b) A motorist travels 600 km. Another motorist travels only 560km. The second car is slower than the first.

(c) Trains moving in the same direction have the same velocity.

24. Sanjay's mother found that they were getting muddy water in their taps. She collected the water and strained it through two layers of muslin cloth. Sanjay told her that she needed to purify the water further, before they could drink it. He told her there were two ways in which this could be done. Can you state what these two methods were?