

Time: 1 Hour 30 Minutes

Max. Marks: 40

Instructions:

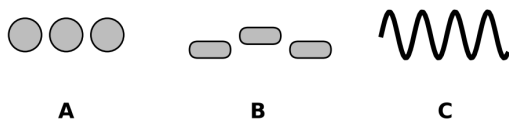
1. The question paper has 4 sections and 17 questions. Answer all the questions.
2. Section A: 10 multiple choice questions of 1 mark each.
3. Section B: 3 questions of 2 marks each. Section C: 2 questions of 4 marks each.
4. Section D: 2 questions of 8 marks each, with internal choice.
5. Draw neat, labelled diagrams wherever necessary.

SECTION – A

10 × 1 = 10

Choose the correct answer and write its letter.

1. The basic structural and functional unit of all living organisms is the
A) tissue B) cell C) organ D) nucleus
2. Who first observed and named 'cells' while looking at a thin slice of cork?
A) Robert Hooke
B) Antonie van Leeuwenhoek
C) Charles Darwin
D) Gregor Mendel
3. A cell wall is present in
A) animal cells only
B) plant cells
C) both plant and animal cells
D) neither
4. The bacterium that helps in turning milk into curd is
A) Lactobacillus B) Plasmodium C) Amoeba D) Rhizobium
5. Yeast is a
A) bacterium B) fungus C) alga D) protozoan
6. The figure shows three shapes of bacteria. The bacteria marked B are



A B C
- A) spherical B) rod-shaped C) spiral D) comma-shaped
7. Malaria is caused by
A) a virus B) a bacterium C) a protozoan D) a fungus
8. Which of the following is a non-communicable disease?
A) tuberculosis B) diabetes C) cholera D) chickenpox
9. Vaccines protect us by
A) killing all germs in the surroundings

- B) helping the body develop immunity
- C) giving us extra energy
- D) curing every disease

10. Antibiotics are useful against diseases caused by

- A) viruses B) bacteria C) lack of vitamins D) all diseases

SECTION – B

3 × 2 = 6

11. What are unicellular organisms? Give two examples.

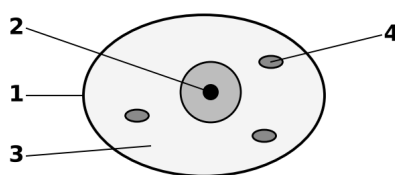
12. Name two diseases spread by mosquitoes. Write one way to prevent mosquitoes from breeding.

13. Why should we not take antibiotics without a doctor's advice?

SECTION – C

2 × 4 = 8

14. Identify the parts marked 1, 2, 3 and 4 in the diagram of an animal cell and write the function of part 2.



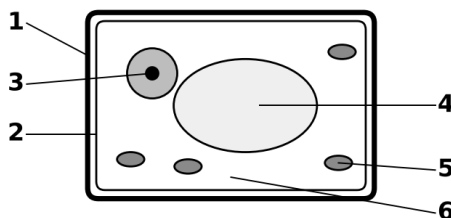
15. Write any four uses of microorganisms in our daily life, with one example each.

SECTION – D

2 × 8 = 16

Each question has an internal choice. Answer either (A) or (B).

16. A) Identify the parts marked 1 to 6 in the diagram of a plant cell. Write any three differences between a plant cell and an animal cell.



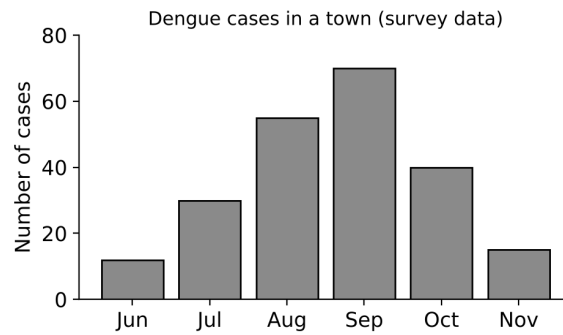
(OR)

B) Describe how you would prepare a slide of onion peel and observe it under a microscope. Draw a neat diagram of what you see and label any three parts.

17. A) What does 'good health' mean? Explain the physical, mental and social dimensions of health. Write any four habits that help us stay healthy.

(OR)

B) The bar graph shows the number of dengue cases in a town over six months. Study it and answer the questions.



- (i) In which month were the cases the highest? In which month were they the lowest?
(ii) Why do dengue cases usually rise in August and September?
(iii) Which organism spreads dengue? (iv) Write four measures to control dengue in the town.

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