

BIOLOGY FORM ONE.

QUESTIONS FROM COVERED TOPICS:

1. INTRODUCTION TO BIOLOGY

- (a). Define the term biology.
- (b). Mention the main branches of biology and their meaning.
- (c). Mention other ten branches of biology with their meaning.
- (d). Why do we study biology?(give four reasons).
- (e). Explain the relationship between biology with other fields.

2. SCIENTIFIC PROCESS IN BIOLOGY.

- (a). What is scientific process?.
- (b). Explain the scientific procedures in biology.

3. THE BIOLOGY LABORATORY.

- (a). What is laboratory?.
- (b). Mention ten laboratory rules.
- (c). Mention ten laboratory apparatus with their functions.
- (d). What are the qualities of biology laboratory from other school facilities?.
- (e). Draw the warning signs of the following and explain their meaning: toxic, harmful, radioactive, corrosive, explosive and flammable.

4. SAFETY IN OUR ENVIRONMENT.

- (a). Give the meaning of the word environment.
- (b). Define the term first aid.
- (c). Give five importance of first aid.
- (d). Define first aid kit.

- (e). Mention ten components of first aid kit and their functions.
- (f). Explain procedures for giving first aid to a victim of snake bite.
- (g). What is an accident?.
- (h). How can we prevent accidents at home and at school?.

5. WASTE MANAGEMENT.

- (a). Define waste.
- (b). Define waste disposal.
- (c). Explain the main principles of waste disposal.
- (d). Explain the effects of poor waste disposal.

6. HEALTH AND IMMUNITY.

- (a). Give the meaning of health.
- (b). Explain the elements of good health.
- (c). Define immunity.
- (d). Mention types of immunity and give their meaning.
- (e). Mention the types of artificial and natural immunity with their meaning.
- (f). Explain the factors which affect body immunity.

7. PERSONAL HYGIENE AND GOOD MANNER.

- (a). Define personal hygiene.
- (b). Define good manner.
- (c). Explain the principles of personal hygiene.

(d). Explain the principles of good manner.

(e). Explain the importance of good manner and personal hygiene.

QUESTIONS FROM TOPICS NOT COVERED .

8. INFECTIONS AND DISEASES.

(a) Define infection and disease.

(b). Mention types of diseases and explain their meaning.

(c). Diseases are classified as communicable and non communicable, Explain the meaning of communicable and non communicable diseases.

(d). Define the following terms: Pathogen, Antibodies, Antigen, Vaccines, Vaccination or Immunization.

(e). Write an essay of Malaria, Typhoid, Cholera, Tuberculosis using the following guidelines:

- Causes.

- Symptoms .

- Mode of transmission.

- Effects.

- Prevention.

(f). Write an essay of HIV/ AIDS, STDS by using the following guidelines:

- Longterm of HIV/AIDS.

- Causes.
- Symptoms.
- Mode of transmission.
- Effects.
- Prevention.

9. THE CONCEPT OF CELL.

- (a). Define cell.
- (b). Mention main types of cells.
- (c). Draw a diagram of prokaryotic cell (bacteria cell).
- (d). Mention types of eukaryotic cells.
- (e). Give the differences between plant cell and animal cell.
- (f). Draw a large and well labelled diagram of plant cell and animal cell.
- (g). Define cell differentiation.
- (h). Mention examples of plant cells and animal cells with their functions.

10. CLASSIFICATION OF LIVING THINGS.

- (a). Define classification.
- (b). Mention types of classification and their meaning.
- (c). Why do we classify living things? (Give four reasons).
- (d). Explain the Merits and Demerits of Artificial and Natural classification.
- (e). Organisms were classified into five major kingdoms mention them with two examples of organisms in each kingdom.
- (f) . Mention ranks of classification in descending order.
- (g). Define binomial nomenclature.
- (h). Explain the main rules of assigning scientific names to an organism.

- (i) What are the importance of naming organisms.
- (j). Describe the structure of virus.
- (k). Give five characteristics of virus as living things and as non living things.
- (l). Explain the advantages and disadvantages of virus.
- (m). Give the general and distinctive features of kingdom monera.
- (n). Describe the general structure of bacteria.
- (o). Describe forms of bacteria.
- (p). Give the general and distinctive features of kingdom protocista.
- (q). Mention all phyla of kingdom protocista with examples of organisms in each phyla.
- (r). Describe the structure of amoeba and paramecium.
- (s). Explain the advantages and disadvantages of paramecium.

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