

FORM ONE MONTHLY TEST SEPTEMBER, 2021
BIOLOGY

TIME: 2½ HOURS

INSTRUCTIONS

1. Answer all questions from section A and B and only one question from section C
2. All writings should be in blue or black in except for drawings which must be in pencil.

SECTION A (30 MARKS)

1. From item (i –x) choose the most correct answer from the given alternatives and write the correct letter in the answer sheet provided.
 - (i) In Biology organisms are categorised and placed into different groups based on their similarities and differences. Which branch of biology is concerned with the statements above?
A. Bacteriology B. Systematic
C. Classification D. Microbiology
 - (ii) The basic differences between natural classification and artificial classification is based on the following features, which one is not correct.
A. in artificial classification only observable features are considered
B. in natural classification both internal and external features are considered
C. natural classification places unrelated organisms into the same group
D. artificial system of classification is less costly and does not consume time
 - (iii) The branch of biology which deals with the study of organisms like protozoans, bacteria and other unicellular organism is known as ____
A. limnology B. biology C. microbiology D. mycology
 - (iv) It is advised to help the victim of accidents such as snake bite, vomiting, burning and bone dislocation. What is the name given to such kind of help
A. First Aid Kit B. First Aid
C. First Aid Manual D. Medical treatment
 - (v) The study of biology involves stages, which stage or procedure involves summarizing the result of the study
A. data observation B. drawing conclusion
C. data interpretation D. experimentation
 - (vi) Which of the following are the basic parts of a cell
A. cell wall, Nucleus and cytoplasm
B. cytoplasm, plasma membrane and nucleus
C. nucleus, mitochondria and chloroplast
D. plasma membrane, cell wall and vacuole

- (vii) Animal or organism that carry and transmit pathogen from one individual to another is called
A. vector B. parasite C. host D. pathogen
- (viii) Which of the following is true about practices of keeping self clean as well as environment in order to maintain good health
A. person hygiene B. good grooming
C. good manner D. puberty
- (ix) 37°C is equivalent to which of the following
A. 98.6K B. 9°F C. 33.4°C D. 310K
- (x) Which of the following are the hosts of the causative agents of sleeping sickness
A. vector and pathogen B. only tsetse fly
C. trypanosome and anopheles D. tse-tsefly and man

NO.	i	ii	iii	iv	v	vi	vii	viii	ix	x
Answer										

SECTION B (50 MARKS)

2. Match the phrases in LIST A with response in LIST B by writing the letter of correct response from LIST B beside the item number of List B by writing letter of the correct answer

LIST A	LIST B
(i) T.B (ii) Typhoid (iii) AIDS (iv) Malaria (v) Influenza	A. A disease characterized by fever and prolonged coughing with blood sputum B. A disease transmitted by Anopheles SP. C. A disease caused by human immune deficiency viruses D. A disease transmitted by sexual intercourse and treated by antibiotics. E. A disease caused by lack of proper hygiene and victim tends to have a stool of rice-water coloration F. Air borne disease cause by viruses

LIST A	i	ii	iii	iv	v
LIST B					

3. For each of the items write TRUE if the statement is correct or FALSE if the statement is incorrect in the space provided.
- (i) Phylum in the highest rank of classification _____

- (ii) Infectious diseases like albinism, Sickle cell anemia and Marasmus can not be transmitted from one person to another _____
- (iii) Bios means study and logs means study _____
- (iv) Cyanobacteria and bacteria are examples of eukaryotes _____
- (v) Hand lens makes organisms look bigger than normal _____
- (vi) Bad manner and Good grooming mean the same _____
- (vii) Stage is the part of microscope at which microscope slide with specimen is placed _____
- (viii) The use of unsterilized equipments can lead to HIV/AIDS transmission _____
- (ix) Microbiology and parasitology are the two main branches of Biology
- (x) From one student only are advised to maintain personal hygiene in order to remain healthy _____

4. Write the correct answer in space provided

- (i) _____ is the basic unit of life all living organism (ii) _____ and (iii) _____ put forward cell theory. Prokaryotes were the first form of life in this world. Prokaryotic cell have no (iv) _____ and divided into (v) _____ and bacteria group.

5. In the figure below represent diagram of a certain type of eukaryotic cell. Study the diagram and then answer question that follow

(a) Name parts labelled with letters

- A. _____
- B. _____
- C. _____

(b) Give function of each of part

A. _____

B. _____

(c) Give three similarities between plant and animal cell

(i) _____

(ii) _____

(iii) _____

6. (a) Give the meaning of the following as applied in Biology

(i) Zoology _____

(ii) Microbiology _____

(b) Why do we study biology (Give three reasons)

(i) _____

(ii) _____

(iii) _____

7. (a) Write the meaning of the following terms as applied in biology

(i) Species _____

(ii) Nomenclature _____

(iii) Binomial nomenclature _____

(b) The scientific name of human being is written as *Homo sapiens*. Write two rules which have been followed in writing such as scientific name

(i) _____

(ii) _____

8. (a) State four principles of personal hygiene

(i) _____

(ii) _____

- (iii) _____
- (iv) _____

(b) State five effects of poor waste disposal to the environment

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____
- (v) _____

SECTION C (20 MARKS)

9. (a) Explain the following terms as applied in laboratory

- (i) Laboratory technician _____

- (ii) Laboratory Safety measures _____

- (iii) Laboratory glass apparatus _____

(b) Explain each of the following methods of transmission of disease with examples

- (i) Droplet infection _____

- (ii) Sexual intercourse _____

- (iii) Insect bite _____

10. Write a good easy on the cause, transmission, symptoms and prevention of typhoid.

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