

Ailanga seminary

Biology form three homework

Instruction

Answer all questions

Qn1 choose the correct answer among the alternatives given

i. Bowman's capsule is in which of the following organ?

- A. Kidney
- B. Liver
- C. Spleen
- D. Pancreas
- E. Heart

ii. Which of the following processes is involved in temperature regulations in human being body..

- A. Urination
- B. Delamination
- C. Sweating
- D. Painting
- E. Detoxification

iii. A structure that allow air to enter the trachea and prevent food to enter the wind pipe is known as:

- A. Glottis

- B. Tongue
- C. Mouth
- D. Soft plate
- E. Epiglottis

iv. Study the following sequence of organisms.

Grass → Rabbit → Fleas → wolves.

The sequence is an example of

- A. Food web
- B. A pyramid
- C. Food chain
- D. Ecosystem
- E. Abiotic

v. Lipase enzyme is mainly contained in which of the following digestive secretions.

- A. Hydrochloric acid
- B. Gastric juice
- C. Saliva
- D. Intestinal juice
- E. Pancreatic juice.

vi. A person who is admitted in the hospital after an operation will mostly be likely to fed food rich in?

- A. Vitamin C
- B. Vitamin A
- C. Protein

D. Lipid.

E. Plenty water

vii. Which of the following is a vector of sleeping sickness.

A. House fly

B. Cockroach

C. Mosquitoes

D. Tsetse fly

E. Tick's

viii. The outer most living structure that identifies plant cell is the presence of?

A. Cytoplasm

B. Nuclear membrane

C. Vacuole

D. Cell membrane

E. Cell wall

ix. One of the mostly distinctive features used to place an organisms in kingdom fungi is the presence of:

A. Gills structure

B. Cap

C. Hyphae

D. Cellulose

E. Exoskeleton

x. Which of the following represent the organisms with homologous structure.

- A. Wing's of bird's and butterfly
- B. Forelimbs of bird's and bat.
- C. Tail of rat and Scorpio
- D. Sting of honey bee and mosquito
- E. Beak of duck and hen

Qn2 Match the items in list A with the correct response in list B.

List A

- i. Virus which kill bacteria
- ii. Metal scrapes and plastic bottles
- iii. An example worms disease
- iv. limb like structure found in Amoeba.
- v. Breadmold is an example of.

List B

- A. Mutualism
- B. STI'Commensalismophage
- D. Zygomycota
- E. Recycling
- F. Fulariasis

G. Pseudopodia

H. Ascomycota

I. Rhizopods

J. Species

K. Commensalism

Qn3@ What do you understand by the following term

i. Botany

ii. Zoology

(b) Why is it important to study biology? Give four reasons

Qn4@. What do you understand by the term "first aid"

(b) State how you would render first aid to a person who has been shocked by electric current.

Qn5@ Define the term "digestion" and "feeding" as used in biology.

(b) Explain why during digestion the food is:

i. Alkaline in the mouth

ii. Acidic in the stomach

iii. Alkaline when in the ileum.

Qn6@. Define the following term:

i. Geotropism

ii. Hydrotropism

iii. Phototropism

(b) State two (2) location of the following joints in the human body

i. Ball and socket joint

ii. Hinge joint

iii. Gliding joint.

Qn7@. Draw a diagram of mammalian eye and label its parts

(b) What will happen to the lens if someone faces:

i. Dim light

ii. Bright light

Qn8@ Give reason for the following facts

i. Arteries are thick walled while veins are thin walled.

ii. Urethra serves for excretion as well as reproduction in males.

iii. White blood cells are described as amoeboid shape.

(b) Name nutritional disease that affects our supportive system.

Qn9@ Explain the meaning of Oxygen debt.

(b) Explain the concept of double circulation.

(c) Explain how you will care for a person with dislocation of knee joint?

Qn10. What is the meaning of temperature regulation

(b) What are the types of organisms according to temperature regulations

(c) Explain the importance of temperature regulations in animals

Qn11@. Give the meaning of transpiration

(b) transpiration is said to be a necessary evil. Explain this statement

Qn12. Draw a well-labeled diagram of a mammalian skeleton

Qn13. Explain why plants do not need to move from one place to another as animals do.?

Qn14. Write an essay on skin by using the following headlines

- i. How its function as a sensory organ
- ii. How its function as an excretory organ
- iii. How it acts as a natural barrier

Qn14@. Give reasons why a cover slip is used in using a microscope

(b) In which circumstances the victim of first aid is supposed to lie down

Qn15. State the structural advantages of fern over moss

Qn16. State four structural differences between sensory neurons and motor neurons.

Qn17. Write an essay on the mechanism of hearing

Qn18. What adaptive features should be possessed by a respiratory surface in order to facilitate respiration.

Qn19. Compare division angiospermophyta with coniferophyta in respect to their reproduction.

(b) State the probable disadvantages of angiosperms.

Qn20@. What is mass flow

(b) Why is blood pressure at its lowest level in the capillaries.

Qn21. Display and explain the effects of auxin hormone in phototropism.

Qn22. State the functions of the following hormones

- Aldosterones
- Thyroxin

Qn23. What is the function of tongue in biology laboratory.

Qn24. Write an essay on arteriosclerosis by using the following guide line

- \*cause
- \* effect
- \* transmission

Qn25@. Is breathing a reflex action?

(b) Brief explain the reason for your answer.

Qn26@. In which condition a hypothesis in a scientific method is rejected and in which conditions it is modified.

(b). Explain why it is necessary to use water bath when heating or boiling alcoholic substance in experiment.

Qn27. Explain the nutritional problems man will face if salivary gland has removed.

Qn28. A certain amoeba has found to contain no mitochondria at all. Inside its cell lives aerobic bacteria.

@ use one word to describe their symbiotic relationship.

(b) Explain why these organisms need each other.

Qn29 write an essay of corona by using this headline..

- \*cause



\* transmission

\*effect

\* prevention

Qn30@. Define reproduction

b.differentiate between reproduction in plants and reproduction in animals.

Prepared by Eluca

My God Almighty cure u and ur family on covid-19 so as we met again