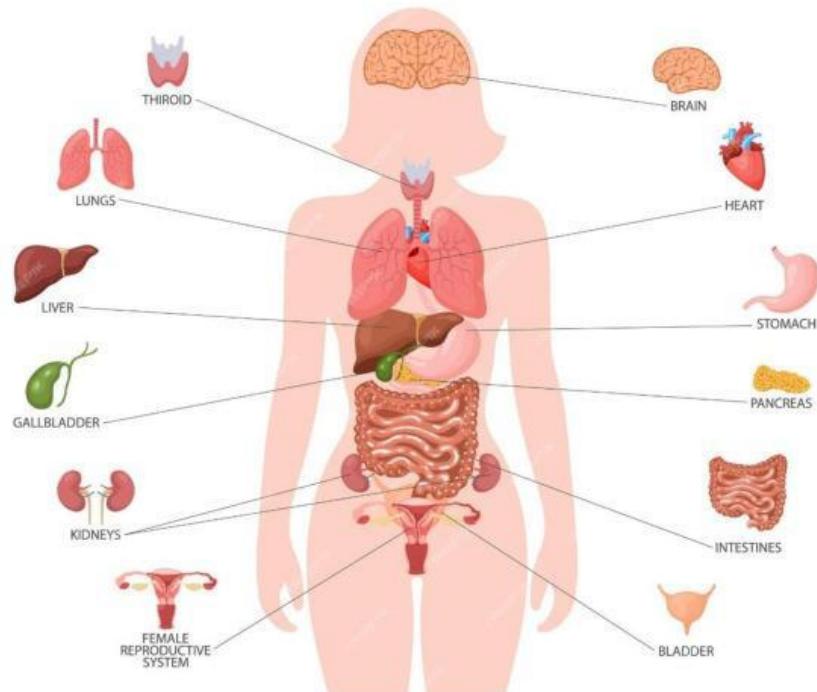


FALL TERM 2023

HEALTH SCIENCE VIRTUAL ASSESSMENT



SHOW WHAT YOU KNOW!!!

Instructions to Students:

1. Read each question carefully.
2. Answer ALL questions
3. Follow ALL instructions.

TIME ALLOTTED: 35 Minutes

DO YOUR BEST 😊

Section A- Multiple Choice – Choose the best possible answer.

1. Which disease cannot be passed on from one person to another?
 - A. Chicken pox
 - B. Cold
 - C. Conjunctivitis
 - D. Hypertension

2. Organisms that cause diseases are called _____.
 - A. Fungi
 - B. Pathogens
 - C. Virus
 - D. Worms

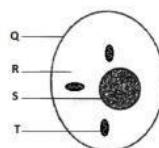
3. Which disease is an acute disease?
 - A. AIDS
 - B. Cancer
 - C. Conjunctivitis
 - D. Diabetes

4. Which of the following is not a chronic disease?
 - A. Cancer
 - B. Diarrhea
 - C. HIV
 - D. Kidney disease

5. How often should you brush and floss teeth?
 - A. 1-2 times per day
 - B. Every other day
 - C. Once a week
 - D. Once a year

6. A doctor who cares for teeth is called a
 - A. Dentist
 - B. Nurse
 - C. Pediatrician
 - D. Surgeon

Use the diagram to answer questions 7 to 11.



7. Which organelle produces energy?
 - A. Q
 - B. R
 - C. S
 - D. T

8. Which organelle controls what enters and leaves the cell?

- A. Q
- B. R
- C. S
- D. T

9. Which part of the cell has DNA?

- A. Q
- B. R
- C. S
- D. T

10. Which structure is jelly-like?

- A. Q
- B. R
- C. S
- D. T

11. Which is the name of organelle T?

- A. Cell membrane
- B. Cell wall
- C. Mitochondrion
- D. Nucleus

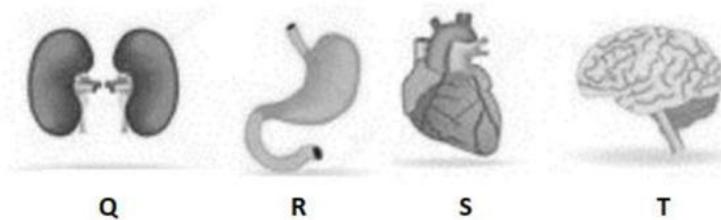
12. To stop body odor a person should

- A. Apply deodorant to clean armpits after your bath or shower
- B. Apply makeup after a shower
- C. Brush teeth
- D. Put on clean clothes

13. Which term best defines the word organ?

- A. A group of specialized cells carrying out similar functions.
- B. A group of different tissues working together to carry out a specific function/s.
- C. The basic unit of life.
- D. None of the above.

Use the diagrams below to answer questions 14 and 15.



14. Which organ below belongs to the digestive system?

- A. Q
- B. R
- C. S
- D. T

15. What is an organism?

A single cell	B. A group of cells
C An individual living thing	D. A collection of tissues

16. Which body system is responsible for supporting the body, protecting organs, and allowing movement?

A. Respiratory system	B. Nervous system
C. Skeletal system	D. Immune system

17. Which body system is responsible for protecting the body from pathogens and diseases?

A. Immune system	B. Digestive system
C. Skeletal system	D. Endocrine system

18. What is the function of the skeletal system?

- A. To control and coordinate body functions
- B. To provide structure and support for the body
- C. To transport oxygen to cells and remove carbon dioxide
- D. To break down food and absorb nutrients

19. How do different organ systems work together to keep us healthy?

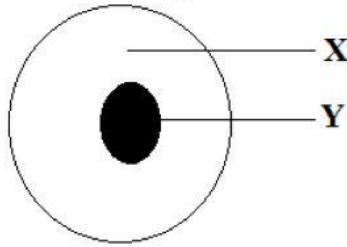
- A. By working alone and not affecting each other.
- B. By competing with each other for resources.
- C. By coordinating their activities to keep us alive.
- D. By only focusing on their individual functions.

20. Which of the following is an example of a hinge joint?

A. Shoulder joint	B. Hip joint
C. Elbow joint	D. Wrist joint

SECTION B- Structured Questions – Answer ALL Questions

1. The diagram shows the structure of a human body cell.



a. Name the parts labelled X and Y on the diagram.

X _____

Y _____

[2]

b. Which structure labelled on the diagram contains chromosomes and genes?

_____ [1]

c. Human body cells are made up of protoplasm. What is protoplasm?4

_____ [1]

d. Explain the function of these specialized cells in the body.

i. Muscle cells _____

ii. Neurone _____ [2]

e. Name the TWO cells which form a zygote after fertilization.

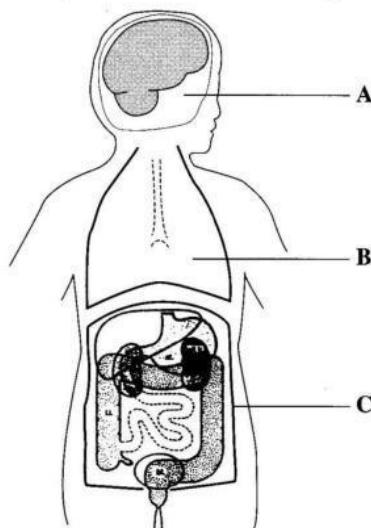
_____ [1]

f. Complete the chart to show the correct order in which human body is organized.

Cells → _____ → Organs → _____ → Organisms [2]

TOTAL MARKS 10]

2. The diagram shows the human body cavities and the main organs present in them.



a. Name the body cavities represented by the letters A and B on the diagram.

i. Cavity A _____

ii. Cavity B _____

[2]

b. Name one organ protected by each of the following bones.

Cranium _____

Ribs _____

[2]

c. (i) Name the muscle which separates cavity B from cavity C.

_____ [1]

(ii) How does the upward movement of the muscle named in (i) affects the lungs?

_____ [1]

(iii) Place an X on the diagram to show the location of the lungs in the body. [1]

d. Which cavity contains the organs where:

i. Breathing occurs _____

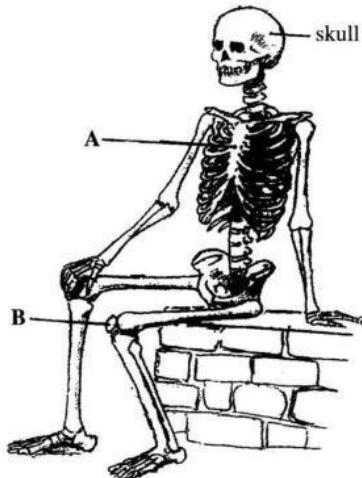
ii. Kidneys are located: _____

iii. Messages are interpreted? _____

[3]

TOTAL MARKS 10]

The diagram below shows a human skeleton.



a. Give the scientific names of the bones labelled **A** and **B**.

A _____

B _____ [2]

b. State **TWO** main functions of the skeleton.

1 _____

2 _____ [2]

c. The human skeleton protects our internal organs. Complete the table below with the correct word.

	Skeleton Part	Organ Protected
1	Skull	
2		Spinal Cord
3	Rib Cage	

[3]

d. What is the total number of bones found in an adult human skeleton?

_____ [1]

e. Name **TWO** nutrients needed in the diet to develop strong, healthy bones.

1 _____

2 _____

[2]

END OF EXAMINATION