This is a Class 1 exam

Lebanon Evangelical School
for Boys and Girls
Loueizeh - Baabda

Stage Exam 03

26JAN2024

Do NOT write in this box. Your MARK will be placed here.

Subject :	Life Science
Class :	7A, 7B, 7C and 7E
Teacher :	Mrs. Hazar Al Gharib
Duration :	1 hour

Please write your answers on a separate sheet of paper NOT on the question sheet.

Your name :		*Time taken to complete exam*
Your Class :		
Exam Room :		
How many sheets, including cover sheet :		

- Do not open this paper until the teacher in charge instructs you to do so.
- The most important thing to remember in taking an exam is NEVER PANIC.
- If you are caught cheating in this exam, you will be awarded zero for ALL exams that are taken on this day.

I- Identify the letter of the choice that best completes or answers the statement. (1pt. each)

1. Choose the correct order for the digestive system.

   A. Mouth, stomach, esophagus, small intestine, large intestine
   B. Mouth, small intestine, large intestine, esophagus, stomach
   C. Mouth, esophagus, stomach, large intestine, small intestine
   D. Mouth, esophagus, stomach, small intestine, large intestine

2. Which part of the digestive system makes food mostly liquid?

   A. Stomach
   B. Esophagus
   C. Small intestine
   D. Large intestine

3. The small intestine is about _____ long in human adults.

   A. 3.8 meters
   B. 1 meter
   C. 6.5 meters
   D. 10 meters

4. The function of the mouth is to:

   A. Absorb nutrients from food
   B. Excrete wastes
   C. Mix solid foods with saliva
   D. Smell the food we eat

5. The type of digestion that involves enzymes is:

   A. Mechanical
   B. Chemical

6. The tube that transports food to the stomach is called:

   A. Trachea
   B. Small intestine
   C. Esophagus
   D. Mouth

7. Groups of organs that work together and perform a specific task are:

   A. Tissues
   B. Organs
   C. Organ systems
   D. Organisms

8. Kidneys are organs in the _____ system.

   A. Respiratory
   B. Digestive
   C. Muscular
   D. Excretory

9. Enzymes are secreted to improve the digestion of all the following nutrients except for:

   A. Lipids
   B. Vitamins
   C. Carbohydrates
   D. Proteins

II. Put the right term for each given definition. (1pt. each)

1. Steady internal conditions, when external conditions change.

2. Organized groups of cells that work together.

3. The parts of food used by the body to grow and survive.

4. Blood vessels that surround alveoli.

5. The amount of energy it takes to raise the temperature of 1Kg of water by 1°C.

III- Digestive System. (1pt. each)

Fill in each blank with the suitable word.

Once the food is swallowed, it passes through the (1) _____, which is like a gate that sends food into the (2) _____ and air into the lungs. The food travels down the esophagus and into the (3) _____ where it is mixed with (4) _____ and crushed some more.

After spending some time in the stomach, the food is sent into the (5) _____ _____ where nutrients are (6) _____. The (7) _____ helps by producing some digestive juices called bile. Next, the remaining food goes into the (8) _____ _____ where (9) _____ is absorbed. The remaining food is called (10) _____ and it is pushed into the (11) _____ where it waits before leaving the body.

IV- Excretory System. (1pt. each)

1. ***Indicate whether the following sentences are true or false. If false, check the underlined word.***

a. The function of the excretory system is to expel waste outside the body.

b. The ureters filter the blood and separate the waste and water.

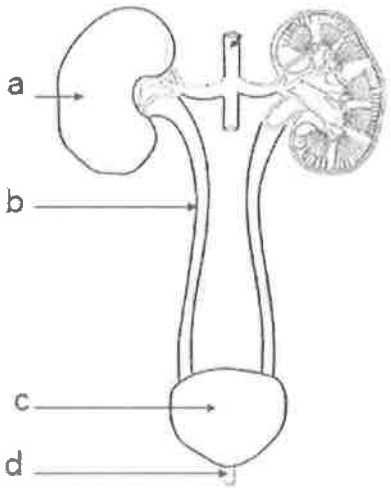
c. The combinate of urea, inorganic salts and water forms the ureter.

d. The urine goes down two tubes called ureters.

e. When the kidney is full, your body tells you to go to the bathroom.

f. The bladder releases urine through the urethra.

2. ***Label the diagram of the Urinary System shown in the figure aside.***



3. *Answer the following questions.*

a. Does our body eliminate waste through the skin?

b. Indicate the name of this waste.

c. Why is sweating good for our body?

V- Sense Organs. (1pt. each)

Fill in the table below with the correct information related to the two sense organs in figures 1 and 2.



Figure 1

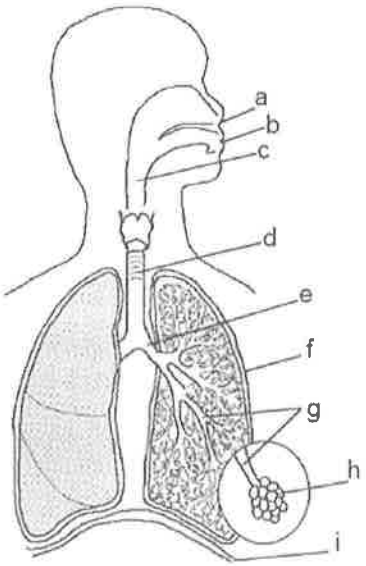


Figure 2

	Figure 1	Figure 2
Name the sense organ.	1	2
Name their specific neurons that receive signals from the environment.	3	
Name the received signals.	4	5
Name the organs that will receive these signals for processing and response.	6	

VI- Respiratory System. (1pt each)

1. *Label the figure aside that shows the Respiratory System (from a to i).*



2. *Fill in the table with the name of the organ(s) of the Respiratory System responsible for the following functions.*

Function of the organ	Name of the organ
A thin muscle under the lungs involved in breathing movements	j
Tiny air sacs involved in the exchange of gases between air and blood	k
A tube-like organ that carries air into and out of the lungs.	l
The organs through which air enters and leaves the body	m
Part of the throat through which food goes to the esophagus and air to the windpipe	n

3. ***Figures 1 and 2 aside show the two breathing movements, inhalation and exhalation. Read the following sentences and answer with figure 1 or figure 2.***

a. The chest cavity enlarges.

b. The diaphragm relaxes and returns to its domelike shape.

c. Air is pulled into the lungs or inhaled.

d. The chest cavity reduces.

e. The diaphragm contracts and flattens.

f. Air is pushed out of the lungs or exhaled.

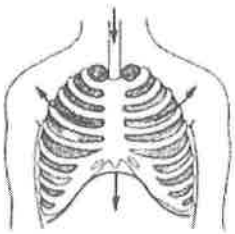


Figure 1

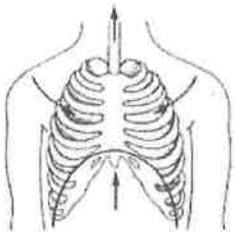


Figure 2

4. ***Figure 3 shows the inside of an alveolus.***

a. Name the process that takes place between the walls of the alveolus and the blood capillary.

b. Indicate whether the air that enters the alveolus is rich in oxygen or carbon dioxide gas.

c. Indicate the direction of diffusion of oxygen gas.

d. Indicate whether the air that leaves the alveolus is rich in oxygen or carbon dioxide.

e. Indicate the direction of diffusion of carbon dioxide gas.

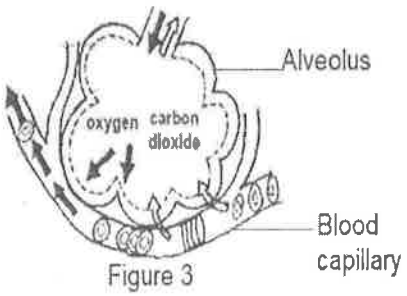


Figure 3

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I. 1. D 2. A 3. C 4. C
5. B 6. C 7. C 8. D
9. B (9)

II. 1. Homeostasis 2. Tissues (5)
3. Nutrients 4. Blood capillaries
5. Calorie

III. 1. Pharynx 2. esophagus
3. Stomach 4. Acid (juice) (11)
5. Small intestine 6. absorbed
7. Liver 8. Large intestine
9. water 10. Waste
11. rectum

IV 1. a. True
b. False, kidney
c. False, urine (9)
d. True
e. False, bladder
f. True

2. a- kidney b- ureter (4)
c. bladder d. urethra

3. a- Yes
b- Sweat (3)
c- regulates the body temperature.

V. 1. Ear 2. Eye (6)
3. Receptors 4. Sound
5. light 6. Brain and spinal cord

VI 1. a. Nose b. Mouth c. Pharynx
d. Trachea e. bronchus f. lung (9)
g. bronchioles h. alveoli i. diaphragm

2. j. diaphragm k. alveoli l. Trachea
m. lungs/nose and mouth n. pharynx (5)

3. a. Figure 1 b. Figure 2 (6)
c. Figure 1 d. Figure 2
e. Figure 1 f. Figure 2

4. a. Exchange of gases
b. Oxygen (5)
c. From air into blood
d. Carbon dioxide
e. From blood into air