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LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

MOPANI WEST
NATURAL SCIENCES
GRADE 9

Date: 15 MARCH 2023 (CONTROLLED TEST)

MARKS: 70

DURATION: 90 MINUTES

TERM 1

NAME OF LEARNER: _____

NAME OF SCHOOL: _____

Mark obtained

INSTRUCTIONS

1. This question paper consists of SIX pages including the cover page
2. Answer all questions in blue ink
3. Read each question carefully before answering it
4. Write all answers in the space provided below.
5. Write neatly and clearly

QUESTION 1 MULTIPLE CHOICE

Four possible answers are given for each statement. Every question has only one correct answer. Choose the answer that is correct and write the correct letter next to the question number. E.g 1.1 B

1.1 In the cell the DNA is found in the..... (1)

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

1.2 The disease that affects the circulatory system is: (1)

- A. Ulcers
- B. Heart Attack
- C. Rickets
- D. Foetal alcohol syndrome

1.3 Which of the following is the male reproduction hormone: (1)

- A. Testosterone
- B. Testes
- C. Oestrogen
- D. Progesterone

1.4 The absorption of water in the human body takes place mainly in the: (1)

- A. Bladder
- B. Large Intestine
- C. Stomach
- D. Small Intestine

1.5 The human gaseous exchange takes place in the? (1)

- A. Alveoli
- B. Diaphragm
- C. Pulmonary vein
- D. Trachea

[5]

QUESTION 2 MATCHING

Match the terms in COLUMN A with the statements in COLUMN B by writing down the question number and the letter corresponding to the correct answer next to it.

COLUMN A	COLUMN B
2.1 Chloroplast	A. Makes teeth and bones strong.
2.2 Calcium	B. Brings nutrients and oxygen to cells and remove waste products.
2.3 Uterus	C. Carries out the process of photosynthesis.
2.4 Circulatory system	D. Contracts and relaxes to allow movement
2.5 Muscles	E. A place where the baby grows.

(5 × 1)

[5]**QUESTION 3 FILLING MISSING WORDS**

Use the words in the box to complete the following sentences.

Oesophagus , breathing , peristalsis , puberty , vacuole, heart, arteries , diffusion

3.1. Food moves from the mouth, down the _____ and into the stomach by process of _____. (2)

3.2. The stage in the human life cycle when sexual organs mature for reproduction _____. (1)

3.3. Oxygen is inhaled in the process called _____. (1)

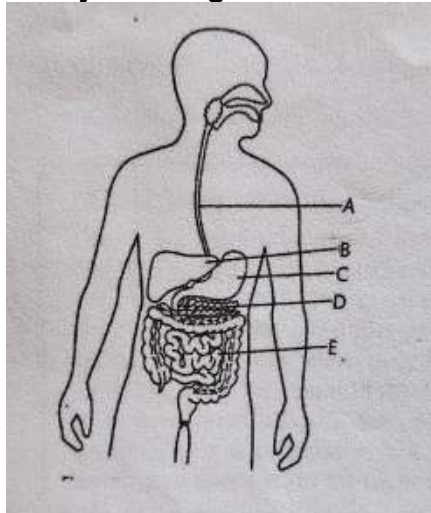
3.4. _____ stores substances in plant cells. (1)

3.5. The _____ pumps blood around the body. (1)

[6]

QUESTION 4**A cell as a basic unit of life that performs all the functions**

- 4.1. Draw the plant cell and label it. (5)
 4.2. Describe the function of the **Vacuole**, **Mitochondrion** and **Cell membrane** (3)
 4.3. Tabulate the difference between the plant and the animal cells. (5)

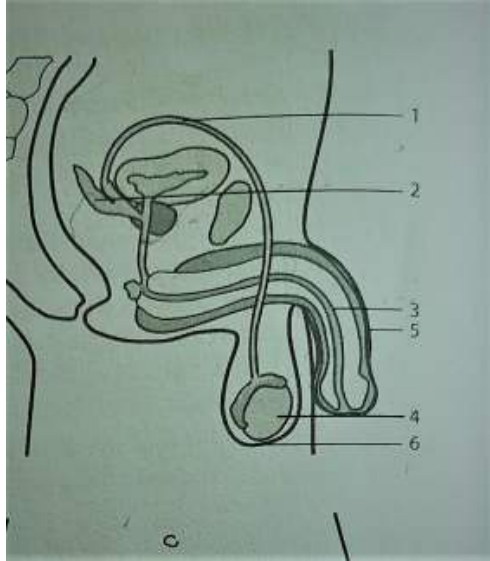
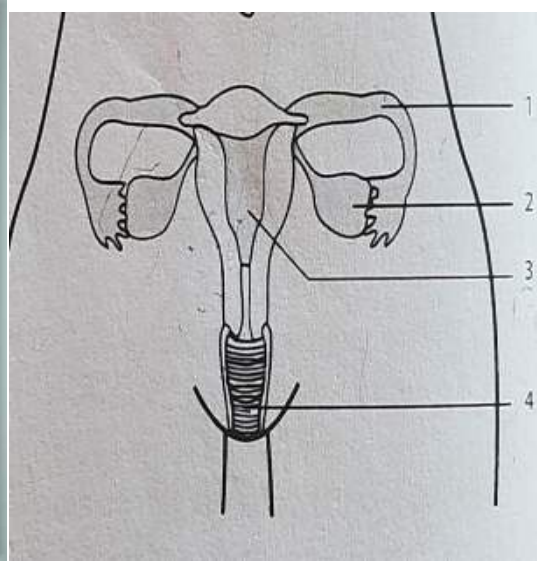
[13]**QUESTION 5 DIGESTIVE SYSTEM****Study the diagram of a human body below and answer the questions that follow:**

- 5.1. Name the system shown above. (1)
 5.1.1. Identify labels A, C and E (3)
 5.1.2. Below is a list of functions of the different organs. Give the letter in the diagram and name of the organ that matches each function.
 A. Stores extra sugar (1)
 B. Absorbs much of the water into the blood stream (1)
 C. Mixes and digest food (1)
 5.2. Proteins are one of the food groups that human body requires to function healthy as a whole.
 5.2.1. Name Four food groups that you know (excluding proteins) (4)

[11]

QUESTION 6 REPRODUCTION

Study the diagrams of a human body below and answer the questions that follow:

Diagram A**Diagram B**

- 6.1. What is the purpose of reproduction? (2)
- 6.2. The diagrams are given, identify which one is male and which one is female. (2)
- 6.3. Which tube transports urine in both male and female organs? (2)
- 6.4. Refer to diagram A
- 6.4.1 Describe the function of number 1, 4 and 6 (3)
- 6.5. Refer to diagram B
- 6.5.1. Write the number and the name of the part where the egg is fertilized. (2)
- 6.5.2. Write the number and the name of the part where copulation takes place. (2)

[13]

QUESTION 7 SYSTEM IN THE HUMAN BODY

7.1. Name the seven system in the human body. (7)

7.2. Study the list of structure given below and place them in the correct column.

Leaf, Heart, Bee, White blood cell, Blood, Brain, Nervous system, Muscle cell, Stomach, Lion, Nose, Rose tree and Kidney

CELL	TISSUE	ORGAN	SYSTEM	ORGANISMS

(10)

[17]

TOTAL: 70 MARKS