

**GREENLAWNS HIGH SCHOOL  
FINAL EXAMINATION**

**14-02-2023**

**SUBJECT : Biology**

**CALSS : VIII**

**TIME : 2 hours**

**MARKS : 80**

---

**This paper consists of two sections A & B.  
Attempt all the questions from both the sections.**

**Section – A**

**Q.1 Fill in the blanks**

**10**

- a. The \_\_\_\_\_ is an iodine – containing hormone.
- b. \_\_\_\_\_ is known as emergency hormone.
- c. Insufficient secretion of insulin is called \_\_\_\_\_.
- d. \_\_\_\_\_ is a state of mental or emotional strain.
- e. \_\_\_\_\_ damage the blood vessels and increase the risk of stroke.
- f. Blinking of eyes, sneezing and vomiting are \_\_\_\_\_ reflexes.
- g. Science which deals with the study of microbes is called as \_\_\_\_\_.
- h. \_\_\_\_\_ of tea is done with the help of bacteria.
- i. \_\_\_\_\_ is a unicellular fungi.
- j. The common species of the Indian variety of honey bee is \_\_\_\_\_.

**Q.2 Give scientific terms for the following**

**10**

- a. The artificial rearing of silkworm to obtain silk.
- b. The rod-shaped bacteria.
- c. Any muscle or gland where the response occurs.
- d. A small junction used to communicate between neuron.
- e. A main cell body of neuron.

- f. Excessive weight gain which is a common problem and cause of many diseases.
- g. High blood pressure.
- h. Heart beating too hard or too fast.
- i. Protective double layered membrane around heart.
- j. The period of life when body undergoes reproductive maturity.

### Question 3

**(i) Match the column** **5**

- |                    |  |
|--------------------|--|
| a. Cretinism       | i. distribute blood to the wall of the heart |
| b. Cheese          | ii. mental retardation                       |
| c. Pituitary       | iii. universal recipient                     |
| d. coronary artery | iv. calcium and phosphorus                   |
| e. AB blood group  | v. contraction of uterus during child birth  |

**(ii) State true or false and correct the false statement.** **5**

- a. Cardiac arrest is a sudden interruption of blood supply to the heart.
- b. Fats in the intestine are absorbed through blood vessels.
- c. The inner portion of the cerebrum is called grey matter.
- d. There are thirty-one pairs of cranial nerves.
- e. Salivation and peristalsis are an example of inborn reflex.

### Question 4

**(i) Write one function of the following.** **5**

- |                      |                         |
|----------------------|-------------------------|
| a. Cerebellum        | b. Medulla oblongata    |
| c. Pericardial fluid | d. flagella in bacteria |
| e. Prolactin         |                         |

- (ii) Define the following** **5**
- |                   |                              |
|-------------------|------------------------------|
| <b>a.</b> Puberty | <b>b.</b> Reflex action      |
| <b>c.</b> Impulse | <b>d.</b> Circulatory system |
| <b>e.</b> Hormone |                              |

**Section B**

**Question 5**

- (i) Give scientific reason for** **6**
- a.** Endocrine glands are called ductless glands.
  - b.** An alcoholic is unable to coordinate his muscular movements properly.
  - c.** Most fungi are called saprophytes.
  - d.** Environmentalists criticize the process of reeling in sericulture.
  - e.** Why Cottage cheese is treated with salt.
  - f.** Why playing a musical instrument is regarded as a conditioned reflex.
- (ii) Give the full form of the following :** **4**
- a.** TSH
  - b.** SA
  - c.** GH
  - d.** FSH

### Question 6

(i) Name the organism responsible for : 4

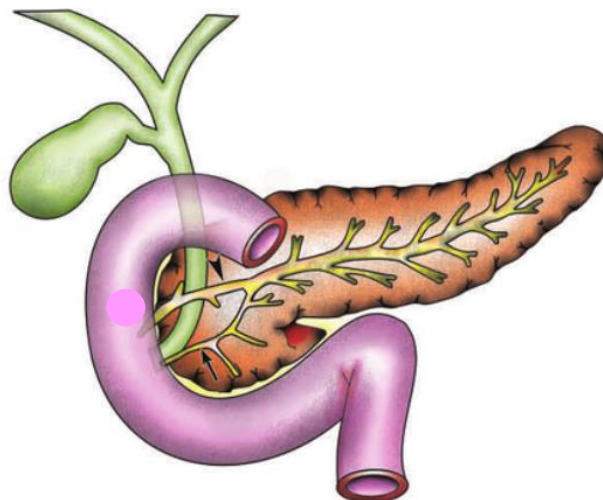
- a. Curdling of milk
- b. For fixing nitrogen into simpler absorbable form of nitrogen in soil
- c. Blackish cottony growth on a stale bread
- d. production of ethyl alcohol in beverages

(ii) Differentiate between the following with reference to the points given 6

- a. Lymph and blood  
(1. vessels in which they keep circulating , 2. colour)
- b. Arteries and veins  
(1. flow of blood , 2. valves)
- c. Pulmonary artery and pulmonary vein  
(1. nature of blood they carry , 2. direction of blood flow)

### Question 7

(i) Study the figure below and answer the questions that follows: 7



- a. Identify the gland in the above figure.
- b. Give the location of the gland in human body.

- c. Name the cluster of hormone secreting cells present in the gland.
- d. Which 2 hormones are secreted by cells in Q. c. above.
- e. Give one function for each of the hormones in Q. d above.

**(ii) Give one symptom of the following diseases :** **3**

- a. Diabetes
- b. Heart attack
- c. Myxoedema

**Q.8 Answer the following questions** **10**

- a. Write the name of 2 varieties of silk produced in India.
- b. Write the name of 2 products other than honey which apiarist collect.
- c. Name and explain 3 kind of neurons present in the human body.
- d. Give 3 ways in which yoga may help to reduce stress.