

**GREENLAWNS HIGH SCHOOL
BIOLOGY FINAL EXAMINATION 2025-26**

STD.8

MARKS: 80

DATE: 13/03/2026

TIME: 2 HR.

NOTE:

- 1] Answer to this paper must be written on the paper provided separately.
- 2] You will not be allowed to write during the first 10 minutes. This time is to be spent in reading the question paper.
- 3] The time given at the head of this paper is the time allowed for writing the answers. This paper has 3pages (6 sides).
- 4] Both sections are compulsory.
- 5] The intended marks for a question or parts of questions are given in the brackets [].

SECTION A [40 MARKS]

ALL QUESTIONS IN THIS SECTION ARE COMPULSORY.

QUESTION 1

Choose the most correct answers to the questions from the given options:[1

- i) The most important change which marks puberty is
 - a) hair develop on legs, hands and on face
 - b) body grows proportionately
 - c) the voice changes
 - d) the body becomes capable of reproduction

- ii) The gland which is situated below the stomach.
 - a) Pituitary
 - b) Thymus
 - c) Pancreas
 - d) Thyroid

- iii) Microbiology is the branch of science which deals with the study of
 - a) Bacteria
 - b) protozoa
 - c) viruses
 - d) all of these

- iv) The burns that result in the formation of a small skin swelling filled with a watery substance is called
 - a) Cut
 - b) wound
 - c) blisters
 - d) Severe burns

- v) The number of stages observed in adolescence is
 - a) two
 - b) three
 - c) four
 - d) five

Contd.....

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- vi) The age at which females attain puberty is
a) 10 to 12 years b) 13 to 14 years c) 15 to 17 years d) 17 to 18 years
- vii) In which degree of burns, the skin becomes senseless
a) Second degree b) Third degree c) First degree d) None of these
- viii) The by-product of the fermentation in breweries
a) Carbon dioxide b) Oxygen c) Alcohol d) glucose
- ix) The changes which occur at adolescence are controlled by
a) lymph b) enzymes c) plasma d) hormones
- x) Goitre is caused due to dietary deficiency of
a) sodium b) calcium c) iodine d) iron

QUESTION 2

Name the following:

[10]

[Do not give examples unless asked]

- i) The type of fracture in which the bone bends and half breaks.
- ii) An example of poisonous mushroom.
- iii) The technique of injecting fish pituitary hormone to the fish.
- iv) The features which help to distinguish the male from the female.
- v) An area of the skin that has been damaged by heat, radiation or by corrosive chemicals.
- vi) The chemical messengers which regulate most of the metabolic activities and other activities in human body.
- vii) The liquid injected in human body by the stings of the insects like bees, ants or wasps.
- viii) The disease-causing microorganisms.
- ix) The scientific name of voice box or Adam's apple.
- x) The organ in the human body which serves both exocrine as well as endocrine gland.

Contd.....

QUESTION 3

A] Choose the correct answers for each of the glands in column I by selecting its location and function from column II and column III respectively.

Do not use the numbers or alphabets to write your answers. Write the matched pairs (answers) in word form only.

[4]

COLUMN 1 NAME OF THE GLAND	COLUMN II LOCATION	COLUMN III FUNCTION
1. Pituitary gland	A. Behind the breastbone	a. Helps in sexual development
2. Thymus gland	B. Neck- in front of the wind pipe	b. Physical and mental development after birth.
3. Pineal gland	C. At the base of the brain	c. Regulatory function by releasing many hormones
4. Thyroid gland	D. Within the brain	d. Setting up part in body's immune system

B] Fill in the blanks.

[6]

- i) _____ is the immediate and temporary care given to the victim of an accident or sudden illness until the services of a doctor can be obtained.
- ii) Preparation of cheese and butter in dairy industry is done by using different strains of _____ acid bacteria.
- iii) The human body undergoes several changes during adolescence. These changes mark the onset of _____.
- iv) A _____ is a cracked or broken bone.
- v) Culturing fish along with an agricultural crop is called _____.
- vi) The _____ is a relaxation technique used during stress, by which we can relax our mind from stress and boost our energy and mood.

Contd....

QUESTION 4

A] Choose the odd one from each of the following: [4]

Write how the answer selected by you is different from the remaining.

[Example: Rohan, Mohan, Mitali, Soham

Odd one- Mitali

Reason- Mitali is a girl's name whereas rest are boy's names.]

- i) Thyroxine, Epinephrine, Insulin, Parathyroid [Parathyroid- gland rest are hormones]
- ii) Thick hair growth in the armpits and around genital areas, Skin frequently becomes oily, Deepening of voice, Change in behaviour.
- iii) Cut, Burns, Bleeding, Cancer
- iv) Bacteria, Protozoa, Virus, Pomfret

B] State whether the following statements are true or false. If false correct and rewrite the whole statement by changing the underlined word. [6]

- i) Lack of thyroxine during the early growing years results in myxedema.
- ii) Apply soap water to neutralise the poison of wasp in case of wasp bite.
- iii) Apis dorsata is an Italian bee, brought to India to increase the yield of honey.
- iv) Parathyroid glands regulate the calcium and phosphorus balance in the body.
- v) First aid can be a life-saving skill.
- vi) Pisciculture is the commercial rearing of fishes.

SECTION B [40 MARKS]

ALL QUESTIONS IN THIS SECTION ARE COMPULSORY.

QUESTION 5

A] Comment on person's mental and emotional maturity in adolescence period. (Answer in brief) [2]

B] i) What is body's response to a reduction in blood and hence oxygen to the brain is called? [1]

ii) Where should be the position of the head in above response as mentioned by you in Q.5 B-i ? [1]

Contd.....

QUESTION 7

- A]** i) Where are the adrenal glands found in our body? [1]
ii) Give scientific reason – The hormone adrenaline secreted by the adrenal glands is known as the emergency hormone. [1]
- B]** i) Failure of which organs develop poisonous substances in our body? [1]
ii) Suggest one first aid treatment in case, one has swallowed a poisonous substance accidentally. [1]
- C]** i) Name the two types of stress. [1]
ii) Mention two ways to tackle the stress. (Do not explain.) [2]
- D]** Give 3 advantages of composite fish culture. [3]

QUESTION 8

- A]** i) What is the scientific process of rearing silkworms is called? [1]
ii) On which leaves the silkworms are reared on a large scale? [1]
- B]** i) Write the full form of BMR with respect to human body. [1]
ii) Which hormone regulates BMR? [1]
- C]** i) Distinguish between Closed fractures and Compound fractures with respect to its meaning. [2]
ii) What precaution has to be taken in case of a fracture? [1]
- D]** Give 3 uses of yeast in food industries. (Do not explain.) [3]