

GREENLAWNS HIGH SCHOOL
FINAL EXAMINATION YEAR 2018

SUBJECT : BIOLOGY
TIME : 1 ½ HRS

CLASS : VIII
MARKS : 80

All answers to be written in the answer booklet. Be neat in your work. Do not waste paper. Attempt all questions

SECTION - A

Q.I.A. Name the following.

[10]

1. The upper chambers of the heart.
2. The largest part of the brain.
3. Blood vessels with valves.
4. It produces thyroid stimulating hormone.
5. A membrane separating heart into right and left portion.
6. The rearing of honey bees to obtain honey and other commercially important products.
7. The process of making beer from barley.
8. The process of introducing mushroom mycelium into the compost in mushroom cultivation.
9. Nitrogen fixing bacteria found in root nodules.
10. Part of the brain that controls/ regulates breathing.

B) Differentiate between the following on the basis of what is given in brackets. [5]

1. Salivary gland and thyroid gland (type of gland)
2. Pulmonary artery and pulmonary vein (type of blood carried)
3. Sensory nerve and motor nerve (bring impulses from)
4. Pericardium and myelin sheath (protective layer of/ organ each protect)
5. Curdling of milk and alcoholic fermentation (micro organism used)

C) State whether true or false. If false correct the statement by changing only the underlined word. [5]

1. Aquaculture is rearing of silk worms.
2. Mugga is a variety of Indian silk.
3. Saprophytes are natural cleaners of the environment.
4. A sphygmomanometer is an instrument that amplifies the sound of heart beat.
5. FSH stimulates the gonads to produce sex hormones.

D) Name the source and the main function of each of the following.

[10]

1. Insulin
2. Thyroxine
3. Cortisone
4. Adrenaline
5. Glucagon

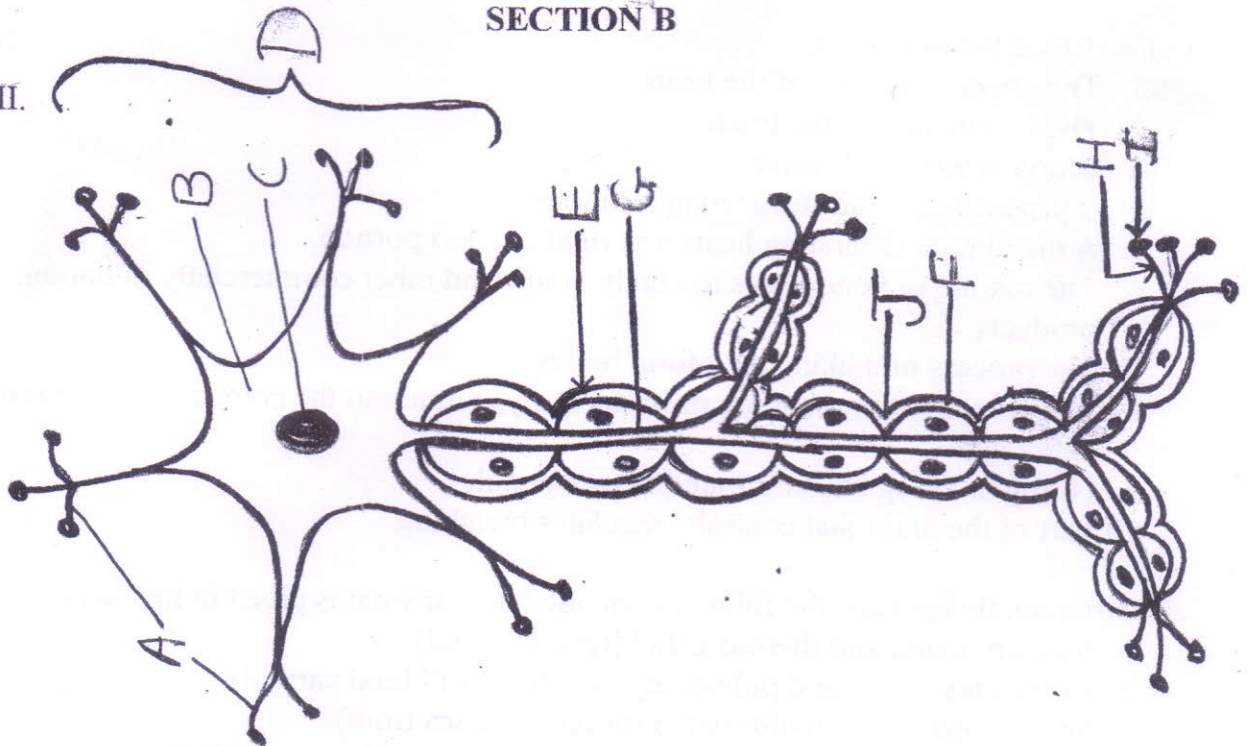
E) Give scientific reasons for the following .

[10]

1. Yoga should be practiced regularly. (2 points)
2. Tanning of animal skins & hides is necessary (2 points)
3. Pituitary gland is called the master gland.
4. Arteries have thick elastic walls
5. Injury to medulla of brain may result in death.(2 points)
6. Blood is an important fluid in our body. (2 points)

SECTION B

Q.II.



1. Look at the above figure and name the parts labelled A,D,E,F,G,H,I,J. [4]
2. Define (i) nerve (ii) impulse [2]
3. Sarita touched a hot iron while clearing up the mess on the table. [4]

Based on the above statement state

- | | |
|-----------------|------------------|
| a) the stimulus | c) the receptors |
| b) the response | d) the effectors |

Q.III. A)



- 1) White button mushroom is a popular variety grown in India. Name the 5 major steps involved in mushroom cultivation. [5]
- 2) What precautions should be taken in step 3 of mushroom cultivation. [2]

- B) Fill in the blanks [3]
1. Mushroom is highly nutritive as it is a rich source of _____ and _____
 2. Bees wax is used in the manufacture of _____ and _____
 3. Bacteria move with the help of a _____

Q. IV. A) Match the following: [5]

COLUMN 'A'

COLUMN -'B'

- | | |
|------------------------|--------------------------|
| 1. Universal recipient | a) insufficient FSH |
| 2. Myxoedema | b) AB blood group |
| 3. Dwarfism | c) O blood group |
| 4. Universal donor | d) insufficient insulin |
| 5. Diabetes | e) insufficient thyroxin |
| | f) insufficient GH |

- B)
1. State 3 physical changes one would observe in an adolescent boy. [3]
 2. How can an adolescent manage stress. [2]

- Q.V.
1. State the main functions of the spinal cord. [3]
 2. How does yeast reproduce [2]
 - a) asexually
 - b) sexually
 3. Draw a neat, labelled diagram of yeast. [5]