

FINAL EXAMINATION 2021

STANDARD: 8

MARKS: 40

SUBJECT: BIOLOGY

TIME:

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Q1. Fill in the blanks:

[5]

1. Adrenal medulla secretes \_\_\_\_\_.
2. \_\_\_\_\_ carries blood away from the heart to different parts of the body.
3. The \_\_\_\_\_ is the seat of intelligence, consciousness and will power.
4. There are \_\_\_\_\_ pairs of cranial nerves.
5. A person with \_\_\_\_\_ blood group is called the universal donor.

Q2. State whether the following statements are true or false. If false, correct the first or the last word only.

[5]

1. Fission is the most common method of asexual reproduction in single celled organisms.
2. The most visible and conspicuous change during adolescence is increase in height of an individual.
3. The thyroid is a bilobed gland situated on the either side of the wind pipe, just below the pharynx.
4. Coronary artery brings back deoxygenated blood from the walls of the heart and pour it into an opening in the right auricle.
5. Glucagon stimulates the breakdown of glycogen in the liver to glucose.

Q3. Name the following:

[5]

1. Master gland.
2. Blood group of a Universal recipient.
3. Controls reflexes below the neck.
4. A common method of reproduction in Hydra.
5. Scientific term for involuntary actions occurring unknowingly.

Q4. Define the following terms:

[5]

1. Synapse
2. Reproduction
3. Stress
4. Stimulus
5. Budding

Q5. Give scientific reasons for the following:

[5]

1. Adrenaline is called the "fight or flight" hormone.
2. An alcoholic is unable to coordinate his muscular movements properly.
3. Actions like coughing and vomiting are natural reflexes.
4. Artificial pacemaker is surgically placed in some humans.
5. Endocrine glands are also known as ductless glands.

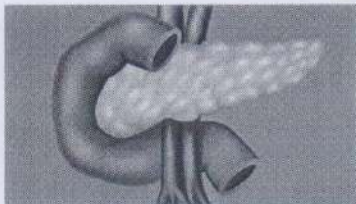
Q6. Differentiate between the following:

1. Receptors and Effectors (Function)
2. Boys and Girls (Change in voice during adolescence)
3. Thyroid Gland and Pancreas (Hormone secreted)
4. Arteries and Veins (Position in the body)
5. Sensory neurons and Motor neurons (Direction of impulse)

[5]

Q7. Answer the following questions based on the pictures given below:

[5]



1. Identify the gland.

2. Identify this asexual method of reproduction.



3. Identify this structure.

4. Identify the ailment.

5. Identify this stress relieving activity.

Q8. Draw a neat labelled diagram of a neuron and label any five parts.

[5]