

Half Yearly Examination - 2018-19

BIOLOGY

Class : VIII

Time : 2 Hrs. + 15 min

Full Marks : 80

Section A (Compulsory)

(40 Marks)

- Q1. A. Multiple choice question : (5)
- i. Cortisone hormone is secreted by
 - a. Pancreas
 - b. Pituitary gland
 - c. Adrenal medulla
 - d. Adrenal cortex
 - ii. Biotic components of ecosystem are
 - a. Producers
 - b. Herbivores
 - c. Carnivores
 - d. All of these
 - iii. Evergreen broad-leaved tall trees are
 - a. Coniferous forest
 - b. Temperature deciduous forest
 - c. Tropical rainforest
 - d. All of these
 - iv. Which one of the following is a growth phase in humans?
 - a. Pupa
 - b. Embryo
 - c. Foetus
 - d. Infancy
 - v. Blisters on skin are caused due to
 - a. Poisoning
 - b. Fracture
 - c. Bleeding
 - d. Burn

B. Fill in the blanks with suitable words : (5)

- i. Hormones are called ____ messengers.
- ii. The term 'Ecology' was termed by the British biologist ____
- iii. ____ is the drug used to cure malaria.
- iv. Glucagon is secreted by ____
- v. Chewing of tobacco may cause ____

C. Name the following : (5)

- i. The pea-sized gland attached to the base of hypothalamus of brain.
- ii. The disease spread from person to person
- iii. Drugs that elate the mood or cause excitement.
- iv. The causative agent of AIDS
- v. The hormone secreted by the anterior lobe of the pituitary gland.

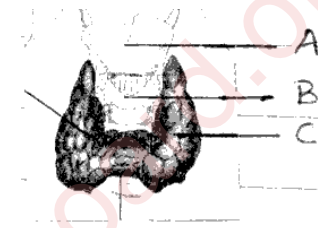
D. State whether the following statements are 'True' or 'False'. If 'False', rewrite the correct statement : (5)

- i. Adolescent boys have high-pitched voice.
- ii. Conservation of forest is not required to maintain balance in nature.
- iii. Polio is a bacterial disease.
- iv. Stress can be managed by listening to music.
- v. Deficiency of insulin causes diabetes.

E. Define the following : (5)

- i. Parasitism
- ii. Vaccination
- iii. Puberty
- iv. Vector
- v. Symbiosis

6. a. Given below is a portion from the human body showing some important structure.

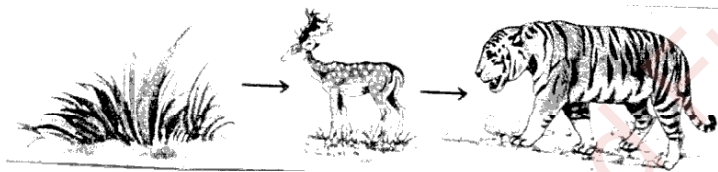


- i. Identify the figure and label the parts A, B, C (2)
 - ii. Name the secretion from the gland and also state its function. (1+1)
 - iii. Name the mineral element required for the synthesis of the above mentioned hormone. (1)
- b. Explain the following terms : (2)
- i. Cretinism
 - ii. Myxoedema
- c. What should be done in case of first and second degree burns? (2)
- d. Who discovered the concept of vaccines and vaccination? (1)

- F. Differentiate between the following : (2 points each) (6)
- Endocrine and Exocrine glands
 - Scavengers and Decomposers
 - Vaccination and Immunisation
- G. State the location of the following : (3)
- Adrenal gland
 - Thyroid gland
 - Pituitary gland
- H. Give the function of the following : (2)
- Pancreas
 - Decomposers
- I. Give reasons : (4)
- You are advised not to eat cut fruits from roadside vendors. Why?
 - Why should we wash our hands before and after eating?

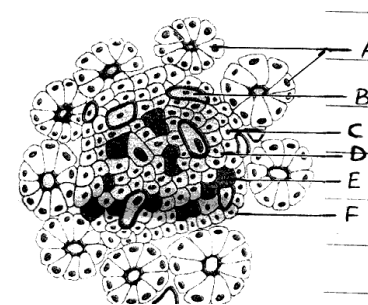
SECTION - B (40 Marks)

(Attempt any four)



- a. Fill in the blanks related to the above figure. (8)
- Every food chain begins with _____ called _____
 - Animals that eat plants are called _____ and are _____
 - Animals that eat herbivores are called _____ and are _____
 - A food chain may even include _____

- _____ is the primary source of energy for all the food chains.
 - What happens at each trophic level? (2)
3. a. Give three characteristics of hormones (3)
- b. Define : (3)
- Homeostasis
 - Adolescence
 - Tension
- c. Why is 'adrenaline' called 'emergency hormone'? (2)
- d. Which is the 'largest gland' of endocrine system? (1)
- e. What is the term used for secretion less than normal by a gland? (1)
4. a. i. State three differences between Communicable and Non-Communicable diseases. (3)
- ii. Also, give two examples each. (2)
- b. Give the full form of the following : (3)
- BCG
 - DPT
 - MMR
- c. Give two harmful effects of taking drugs. (2)
5. a. Identify the diagram and label its six parts. (3½)



- What is referred to as 'insulin shock'? (2)
- State the function of the hormone 'glucagon'. (2)
- Give three examples of ectoparasites and two examples of endoparasites. (2½)