

## Biology

### Full Syllabus Test

VIII (ICSE)

Full Marks : 80

Time : 2 hrs.

1. **Give one word answers: (any 10)** **10**
  - (a) Structural and functional unit of life.
  - (b) Unit of nervous system.
  - (c) Covering of our heart.
  - (d) The most popular indigenous poultry breed of India
  - (e) Rearing of 'Honey Bees' to obtain honey
  - (f) The study of living and non-living component of environment.
  - (g) Non-living component of environment.
  - (h) Organisms feeding on decomposing organisms.
  - (i) The transitional stage between childhood and adulthood.
  - (j) A mixed gland.
  - (k) A gland located on top of the kidney.
  - (l) The hormone that converts excess glucose to glycogen.
  - (m) The covering of brain and spinal cord.
  - (n) Number of cranial nerves.
2. **Fill in the blanks:** **10**
  - (a) Beating of heart is controlled by \_\_\_\_\_.
  - (b) Plant eaters are \_\_\_\_\_ consumers.
  - (c) One parasitic plant is \_\_\_\_\_.
  - (d) Source of energy in ecosystem is \_\_\_\_\_.
  - (e) Other name of brain box is \_\_\_\_\_.
  - (f) Hypersecretion of TSH caused \_\_\_\_\_.
  - (g) \_\_\_\_\_ helps in reabsorption of water from renal tubule.
  - (h) \_\_\_\_\_ is the onset of reproductive maturity in an organism.
  - (i) All involuntary functions of the body is controlled by \_\_\_\_\_.
  - (j) \_\_\_\_\_ carries deoxygenated blood from heart to lungs.
3. **Write the answers of the followings: (any 12)** **5 × 12 = 60**
  - (a) Draw a plant cell. Differ plant cell with animal cell. Which is known as 'Power House' of the cell and why? 2+2+1
  - (b) Draw a bean seed. What are conditions necessary for germination? 2+3
  - (c) What is epididymis? What is implantation? Write the function of Cowper's gland, seminal vesicle and prostate gland.

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- (d) Write different types of vegetative reproduction in plants. What is grafting? Draw a complete flower. 3+1+1
- (e) What is food web? Connect different food chains to form a food web. 'We all depend on Sun for energy' – explain. 1+2+2
- (f) Name the largest part of our Brain and describe its functions. What are the functions of cerebellum and spinal cord. 3+2
- (g) What will happen during insufficient secretion of thyroxine? Write the functions of pancreas and adrenal gland. 3+2
- (h) Differ arteries with veins. What is plasma? Which blood group is universal donor and universal recipient? 2+1+2
- (i) Write the varieties of different cow breeds. Name a breed of goat. Name two exotic breed of poultry chicken. 3+1+1
- (j) Name the diseases of bacteria, protozoa, worms with their causal organisms. What is vaccine? Name the vaccines for tuberculosis, polio. 3+1+1
- (k) Draw a neuron. Write the parts of brain. 3+2
- (l) Which is called 'master gland' and why? Name the diseases caused due to hyposecretion of ADH, GH, insulin. 2+3
- (m) Draw the diagram of human heart. Explain the course of circulation of blood through heart. 2+3
- (n) Draw the male reproductive system in human. Write the function of uterus, fallopian tube. 3+2
- (o) What physical changes in boys and girls happen during adolescence? Write the emotional changes that they go through. 3+2
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