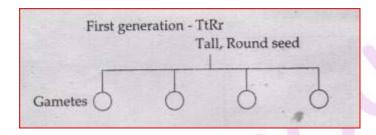
## **Kerala Board SSLC**

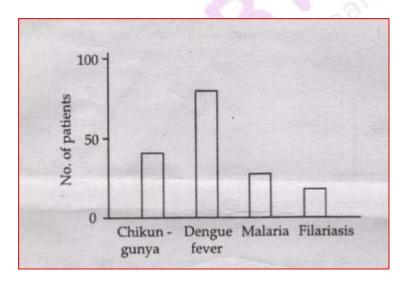


## **Class 10 Biology Important Questions**

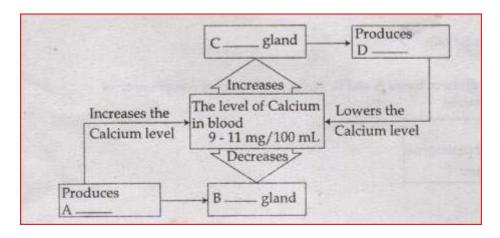
- 1. Some symptoms of a disease are given:
  - (i) Loss of memory
  - (ii) Inability to recognize friends and relatives
- a. Identify the disease
- b. What is the cause of the disease?
- **2.** A person severely injured in an accident needs blood. Antigen A is detected in his blood on blood test.
- (i) Identify the blood group of the person
- (ii) From the following persons, whose blood can be received by him?
- a. X A group (b) Y- B group (c) Z- AB group
- **3.** First generation raised from the hybridisation experiment of Mendel is given. Write the gametes formed from this generation.



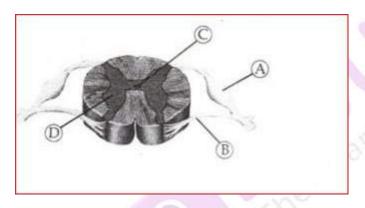
4. Analyse the graph and answer the following questions:



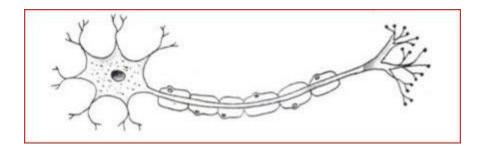
- a. Name the pathogen of the disease that is mostly affected
- b. Name the vector of the disease shown in the graph
- c. What measures should be adopted to prevent the spreading of these diseases
- **5**. Give reasons for the following:
- a. Persons with colour blindness cannot distinguish Red and Green colour
- b. Deficiency of vitamin A causes night blindness
- c. Maximum visual clarity is there in yellow spot
- **6**. Observe the illustration showing the maintenance of calcium level in blood and answer the following questions:



- a. Name the hormones A and D
- b. Name the glands C and B
- c. How A and D maintain the level of calcium in blood
- **7.** List out 4 concepts that can be included in the pamphlet to be distributed in an awareness programme against dengue fever.
- **8.** (a) Identify the below diagram:

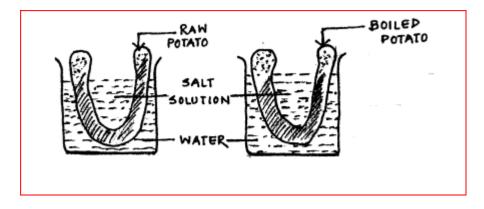


- (b) Name the parts labelled as A, B, C and D
- 9. (a) Name the factors that lead the transformation of normal cells into cancer cells.
  - (b) Name the two methods used for treatment of cancer
- **10**. Redraw the diagram. Name and the label the parts indicated below:



- a. Carries impulses away from the cell body
- b. Secretes neurotransmitter
- c. Branches of dendrons
- **11.** Write any two major reasons for the population explosion in this world.
- **12**. Draw neat labelled diagrams of the cross section of an artery and vein
- **13.** Differentiate between:

- a. Osmosis and Diffusion
- b. Mitosis and Meiosis
- c. Chromosome and Chromatid
- **14.** Draw a neat diagram of the stomatal apparatus found in the epidermis of leaves and label stoma, guard cell chloroplast, epidermal cells, cell wall and nucleus
- **15**. Define the following:
- a. Tubectomy
- b. Guttation
- c. Genes
- d. Diastole
- e. Pulse
- **16**. Answer the following:
- a. Enumerate the steps of blood clotting
- b. What is serum?
- c. State two functions of lymph
- 17. Give scientific reasons for below given scenarios:
- The wooden frames of doors get jammed in rainy seasons
- b. If you sprinkle some common salt on a grass growing on a lawn, it is killed at the spot
- The arteries are deep seated in the body
- d. Rapid increase of population in India
- **18.** Define the following:
- a. Centromere]
- b. Ultrafiltration
- c. Osmotic pressure
- d. Resource
- e. Portal Vein
- **19.** See the figure below of an experiment setup of a particular phenomenon in plants:



- a. What is the aim of the experiment
- b. What is the purpose of taking boiled potato?
- c. Mention one biological importance of this physical process to each of the following?
  - (i) Animals (ii) Plants
- 20. How do the following substances protect the plant from diseases?

- Lignin Callose Cuticle a.
- b.
- C.

