

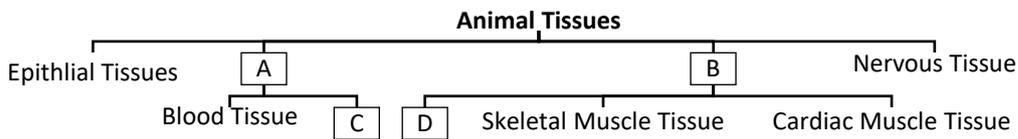


**GRADE 11 - FIRST TERM EVALUATION, 2020**

**SCIENCE - II**

Answer All Questions.

1. The Covid-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person cough or sneezes. There is currently no vaccine to prevent Coronavirus disease.
  - i. Who was the first observer of the virus?
  - ii. What is the living feature of the virus?
  - iii. What are the symptoms of someone infected with a corona (Covid-19) virus? (at least 3)
  - iv. What can you do to protect yourself and help prevent spreading the virus to others? State 4 strategies.
  - v. Which system affected by the Coronavirus?
  
2. A group of students wanted to investigate Oxygen is given out as a by product during the photosynthesis in plant leaves. They have a beaker, boiling tube, pebbles, Hydrilla plants, water and glass funnel.
  - i. Using the above things make (draw) the setup to do the practical.
  - ii. Why is an aquatic plant used for the test instead of land plant?
  - iii. What is the method of collecting gas?
  - iv. How can a control test be arranged for this experiment?
  - v. This setup can be used for 2 purposes. Name them.
  
3. Saline treatment is given to many patients treated in hospitals. A normal saline solution is prepared by completely dissolving 9g of Sodium Chloride in 1dm<sup>3</sup> of distilled water.
  - i. What is meant by a solution?
  - ii. What is meant by the concentration of a solution?
  - iii. What is the standard unit of expressing concentration?
  - iv. State the composition of a normal saline solution with respect to its mass and volume (w/v).
  - v. Name the laboratory equipments that are required to prepare a standard solution.
  
4. Tissues perform a great function for various actions take place in the human body. The classification of animal tissues given below.



- i. Name A, B, C and D.
- ii. State two structural difference between cardiac muscle fibre and a skeletal muscle fibre.
- iii. Which tissue has the basement membrane?
- iv. What is the common characteristic for both cardiac and smooth muscle tissue?
- v. Name the three types of neurons and state the functions of these neurons.