

**KHM HIGHER SECONDARY SCHOOL VALAKKULAM**  
**SECOND TERMINAL EVALUATION - 2021**

**BIOLOGY**

**Time: 1 Hour**

**STD:X**

**Max.Marks:30**

**Identify the word pair relation and fill up the blanks.**

1- Malaria : Plasmodium

Tuberculosis : ..... (1)

2- Glucose: Glucagon

Calcium:..... (1)

**Identify the odd one and write the common feature of others.**

3- (Oxytocin , Cytokinin, Auxin ,Gibberellin ) (1)

4- (Leptospirosis , Tuberculosis , AIDS , Diphtheria) (1)

5- **Fill in the blanks** (2)

<b>Nerves</b>	<b>Functions</b>
Sensory nerve	.....(a).....
.....(b).....	Carry impulse from brain and spinal cord to different organs and vice versa

6- **Identify the wrong underlined word and correct it.** (2)

a) Anthrax is a fungal disease

b) Diphtheria is caused by bacteria

c) Bud rot of coconut plant is due to virus

7- **Identify the statements related to haemophilia.** (2)

a) Changes occurs in the structure of haemoglobin

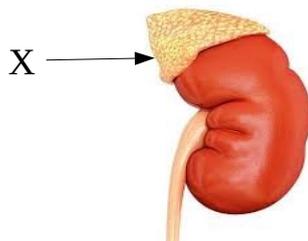
b) Defect in the protein that helps to blood coagulation.

c) The oxygen carrying capacity of the red blood cells decreases.

d) Excessive bleeding even from small wounds.

8- Make a flow chart on how we experience sweetness while eating a ladu. (2)

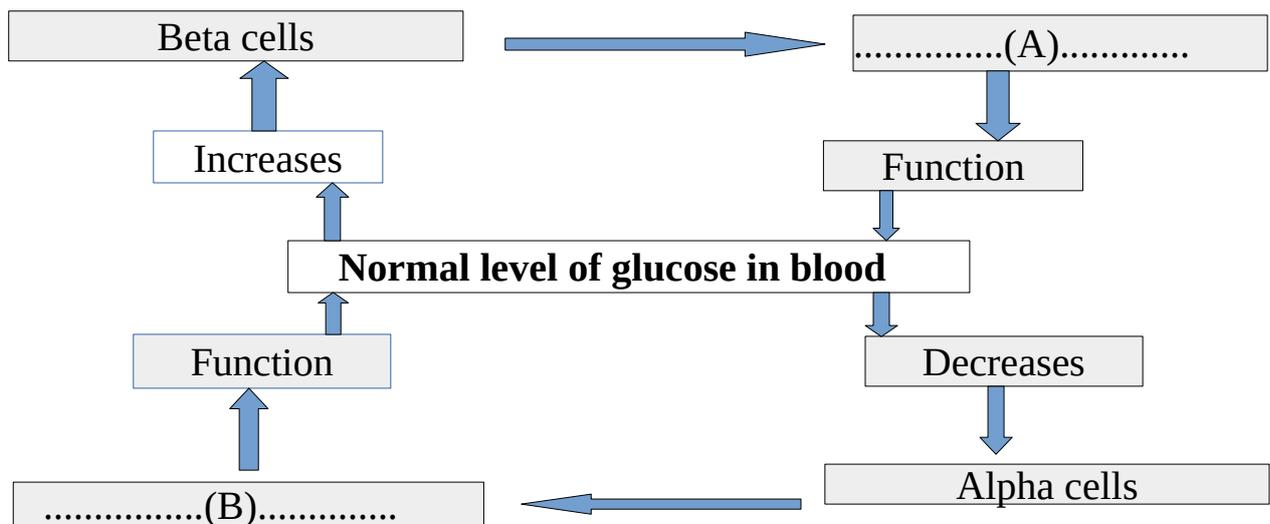
9- Observe the picture and answer the questions given below



a) Which is the gland representing X ? (1)

b) Which are the hormones secreted by this gland during an emergency situation? (1)

10- Following is the chart related to regulation of glucose in your blood observe it and answer the questions.



- What is the normal level of glucose in blood ? (1)
- Identify the hormones A&B (1)
- Identify the function of the hormones A&B in regulating the blood glucose level, (1)

11- Given are the awareness posters on some diseases ,observe them and answer the questions.

**Preventive measures**

- Avoid unsafe sexual contacts
- Avoid unsterilised syringe and needles

- Identify this disease and give its name (1)
- Which pathogen is responsible for this disease? (1)
- How does this pathogen effects the immune system of the body? (1)

12- Observe the statement and answer the questions

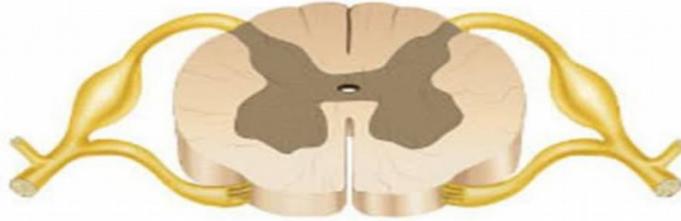
**" When a pathogen enters body the temperature of the body increases.**

**This is a defence mechanism "**

- What is the normal temperature of the human body? (1)
- Why does the body temperature increases when a pathogn enters our body? (1)
- Why do we say that the increasing of body temperature is a type of defence mechanism? (1)

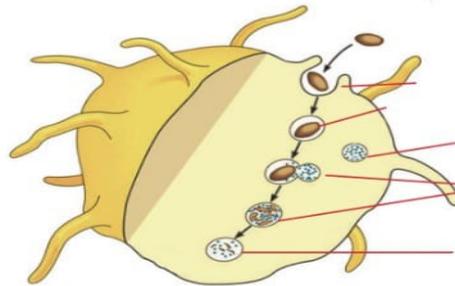
13- Redraw the following picture and write the marked parts.

(3)



- From which part motor impulses go out of the spinal cord?
- Which part is filled with cerebrospinal fluid?

14- Observe the picture and answer the following questions.



- identify the process and name it ? (1)
- which white blood cells are engaged in this process? (1)
- write the different stages of this process? (2)