

HIGHER SECONDARY SCHOOL, ARIMPUR**FIRST MID TERM EXAMINATION 2017-18**

Class: X

Marks : 20

Time : 45mins

BIOLOGY

1. Identify the odd one. What is common about others? (2)

(a) Touch, Light, Hunger, Sound

(b) Brain, Gland, Nerves, Spinal Cord

2. Identify the word pair relationship and fill in the blanks (2)

(a) Skull : Brain

— — — — — : Spinal Cord

(b) Sensory Nerve : Carries impulses to the spinal cord

— — — — — : Carries impulses from the brain to various parts of the body

3. The brain contains a fluid which is formed from and reabsorbed into the blood.

(a) Identify the fluid

(b) What are the functions of that fluid? (2)

4.

A

The leg is pulled back when its touch on a thorn

B

Blink our eyes when objects suddenly come towards our eyes.

(a) How these responses are known as?

(b) Prepare a flow chart related to the pathway of impulses mentioned in A? (3)

5. Make corrections if any in the underlined portions in the statements given below.

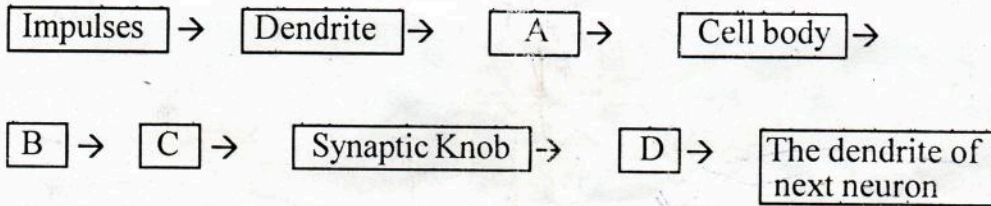
(i) Hypothalamus coordinates muscular activities and maintains equilibrium of the body.

(ii) Cerebrum is the centre of thought, intelligence, memory and imagination.

(iii) Thalamus controls heartbeat.

(iv) Medullaoblongata controls involuntary actions. (2)

6. The flow chart related to the transmission of impulses from one neuron to another is given below. Complete the flow chart (2)



7. The sympathetic nervous system stimulates all body activities. Its activity helps the body to overcome emergency situations. Do you agree with the statement? Justify your answer by citing suitable examples. (3)

8. The disease symptoms of two individuals are given below

A

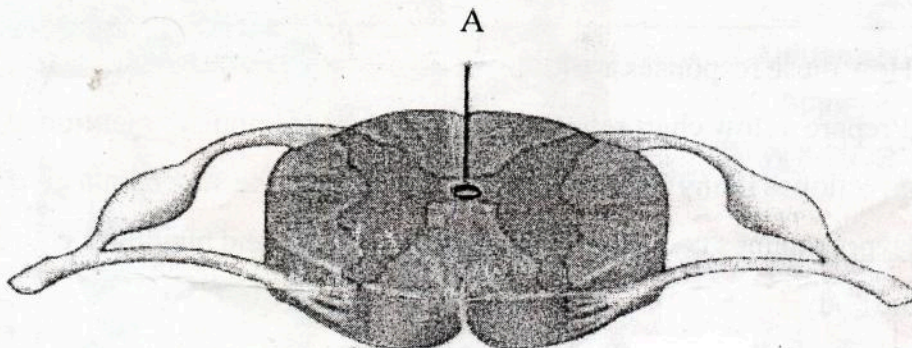
Loss of memory. Inability to recognise friends and relatives

B

Loss of body balance. Irregular movements of the muscles, shivering of the body.

- (a) Identify the diseases of individuals A and B
- (b) Explain the causes of diseases in individual A (2)

9. Observe the picture and answer the following



- (a) Identify A
- (b) What are the peculiarities of the impulses which are transmitted through the dorsal root and the ventral root? (2)