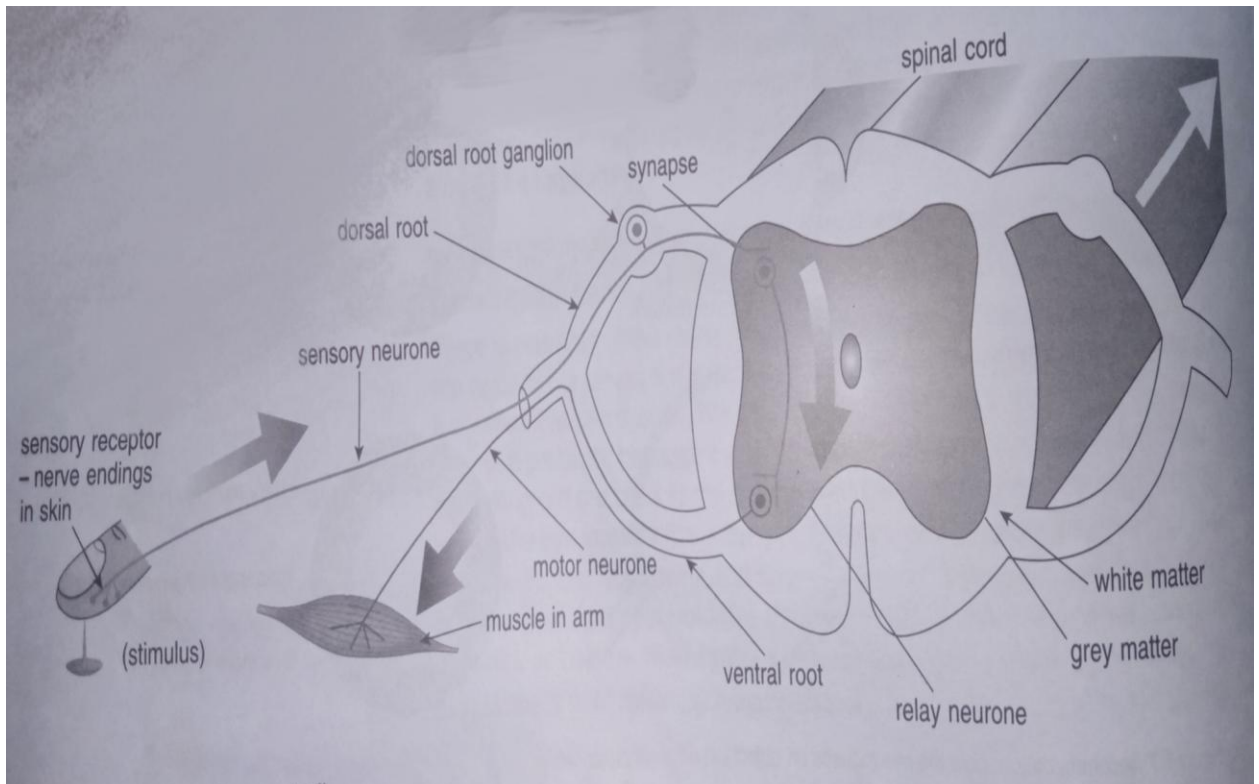


Work sheet-6

Class: IX; Biology

Chap:6; Coordination

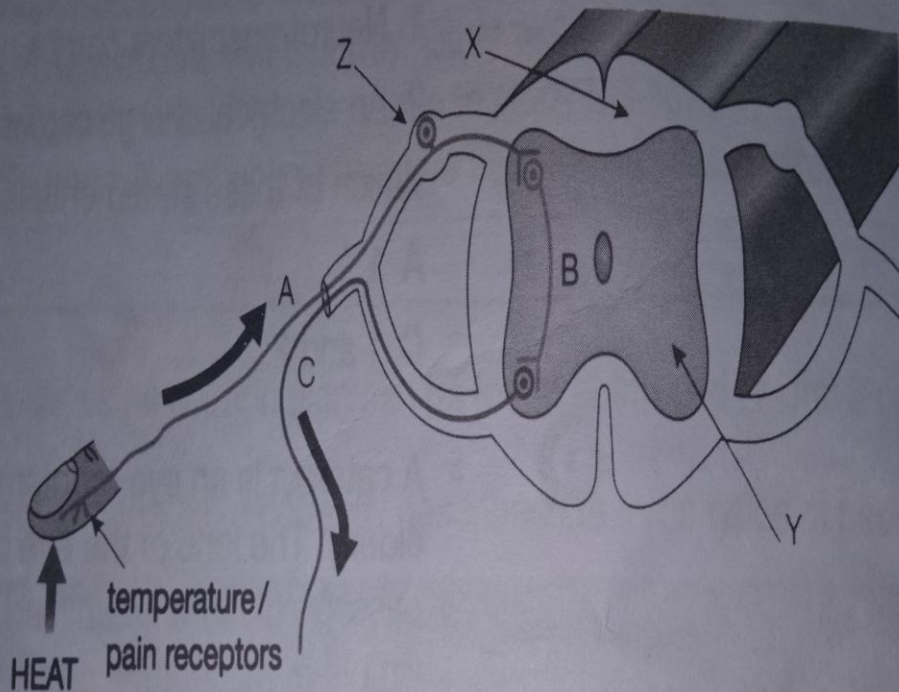
Topic: Reflex action



- his stimulus is detected by temperature or pain.
- These generate impulses in sensory neurones.
- These impulses enter the CNS (spinal cord) through the dorsal root. (a part of spinal nerve).
- In spinal cord the sensory neurones connect by synapses with relay neurones, which in turn connect with motor neurones.
- The motor neurones emerge from the spinal cord through the ventral root and send impulses back out to the muscles of the arm. These muscles then contract, pulling the arm away from the harmful stimulus.
- Outer part of spinal cord is called white matter. The middle part of the spinal cord is called gray matter. It consist of many nerve cells.

Q/A

7 The diagram shows some parts of the nervous system involved in a simple reflex action that happens when a finger touches a hot object.



a What type of neurone is:

- i neurone A
- ii neurone B
- iii neurone C?

b Describe the function of each of these types of neurone.

c Which parts of the nervous system are shown by the labels X, Y and Z?

1. Translate the following passage into English.

বাংলাদেশের মানুষের জীবনের সাথে যে জিনিসটি অতি
নিবিড়ভাবে জড়িয়ে আছে, তা হলো এখানকার কুটিরশিল্প।
কোনো রকম আধুনিক যন্ত্রপাতি ছাড়াই নিজের ঘরে বসে
গ্রামের লোকেরা এর পণ্য তৈরি করত। এগুলো কুটির
শিল্পের মাধ্যমে তৈরি হতো শিল্পগুণে এ ধরনের সামগ্রী
লোকশিল্পের মতো পণ্য।

লোকশিল্প সংরক্ষণ ও প্রসারের দায়িত্ব আমাদের একমাত্র
সুশিক্ষিত উদ্যোগে রুচিশীল লোকশিল্প শ্রমিকদের দিকে
মনোযোগ দিলে আমাদের দেশের বেকার সমস্যার কিছুটা
সমাধান হবে। এর ফলে বিদেশী পণ্যের বাজারেও
এই শিল্প বিশেষভাবে সমৃদ্ধ হবে।

2. Translate the following passage into Bengali:

One evening I took a taxi to Munir Bhai's tea stall
in Newmarket - a roadside cafe popular among
locals. When I arrived there, it was half past
Six - the time I had arranged to meet Mohsin.
Scanning around, there was no sign of him.
Perhaps he was working overtime at the office.

It was comfortably quiet in the cafe, unlike
during the day when it is crammed with loud
customers.

"What would you like, Sir?" asked the waiter.

"Nothing for the moment, I'm waiting for a friend," I replied.

Young Tipu served the next customer. What a credit he is to Mumir Bhai! Tipu always greets people with a smile and makes them feel welcome. It's such a shame he had to leave school so early and work for his family who couldn't afford his education.

Oh, where was Mohsin? Half an hour had already passed and I decided to make my way home. Just as I was about to get up, I caught sight of someone familiar. "Hey Mohsin, over here," I shouted, waving to him. "Sorry Polash, I got held up at work. We had a power cut and all the computers crashed. Are you still up for going to the art exhibition?"

"Of course," I replied. "I wouldn't miss it for the world. But let's order something to drink first."