



Name: - Answer key.

Roll No.: -

Worksheet No. TA1-2

Std.: - V -

Date: -

Ch. 7 Skeletal System and Nervous System

Q-1 Think and write

1. Shreya's grandfather has pain in his knees. Which part of his knee may have worn off?

- The cartilage in his knee may have worn off. Cartilage protects the ends of bones and helps joints move smoothly.

2. We should not poke sharp things into the ear. How can it damage our hearing?

- A sharp object can injure the eardrum, which is important for hearing. This may cause hearing problem.

3. What would happen if you accidentally put your hand on a cactus plant? Judge whether the brain or spinal cord is involved in this reaction. Give one reason to support your choice.

- Cactus is stimulus. It triggers the responses. The spinal cord is mainly responsible for the very first, fast movement of pulling our hand away. This quick and automatic reaction is called a reflex action.

4. Kopal says that pivot joint helps us to move our elbow sideways. Is she correct? Why?

- No, Kopal is not correct. Because our elbow does not use a pivot joint. Our elbow uses a hinge joint. We have a pivot joint in our neck.

Q-2 Choose the correct option.

1. The structure shown in the picture is the:

a) Skull ☒ b) Rib cage c) Pelvic girdle

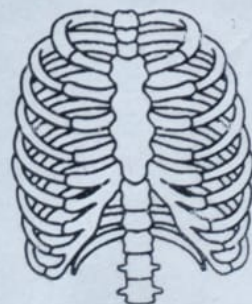
2. It protects the:

a) Brain and eyes ☒ b) Heart and lungs c) Stomach and kidneys

3. It is mainly made up of:

☒ a) Ribs b) Muscles c) Cartilage only

4. Sternum is also known as

a) femur ☒ b) breastbone c) humerus

Q-3 Read the following statements and choose the correct option.

- A. Statement1: Hinge joint is found between the skull and the first two vertebrae of the spine.
Statement2: Ball and socket joints are found in the shoulder and hip joint.
- a) Both statements 1 and 2 are correct.
 - b) Statement 1 is correct but statement 2 is incorrect.
 - ☒ c) Statement 2 is correct but statement 1 is incorrect.
 - d) Both statements 1 and 2 are incorrect.
- B. Statement1: The backbone helps protect the spinal cord.
Statement2: Reflex actions are controlled by spinal cord without involving brain.
- ☒ a) Both statements 1 and 2 are correct.
 - b) Statement 1 is correct but statement 2 is incorrect.
 - c) Statement 1 is incorrect but statement 2 is correct.
 - d) Both statements 1 and 2 are incorrect.
- C. Statement1: Nerves carry messages to and from the brain and spinal cord.
Statement2: Nerves are part of the skeletal system.
- a) Both statements 1 and 2 are correct.
 - ☒ b) Statement 1 is correct but statement 2 is incorrect.
 - c) Statement 2 is correct but statement 1 is incorrect.
 - d) Both statements 1 and 2 are incorrect.
- D. Statement1: The skeleton gives shape and support to our body.
Statement2: The skeleton helps protect some important internal organs.
- ☒ a) Both statements 1 and 2 are correct.
 - b) Statement 1 is correct but statement 2 is incorrect.
 - c) Statement 2 is correct but statement 1 is incorrect.
 - d) Both statements 1 and 2 are incorrect.

Q-4 Read the paragraph carefully and answer the questions that follow:

Our body has different types of muscles that help us move and perform various activities. Voluntary muscles are muscles that we can control according to our wish. For example, the muscles in our arms and legs help us walk, run, write and lift objects. Involuntary muscles work automatically without our conscious control. They help important organs such as the heart, stomach and intestines to function properly. We cannot stop these muscles from working whenever we want.

A. Choose the correct option.

1. Which muscles can we control according to our wish?
a) Involuntary muscles ☒ b) Voluntary muscles c) Heart muscles
2. Which muscles help us write and walk?
☒ a) Voluntary muscles b) Involuntary muscles c) Stomach muscles
3. Which type of muscles work automatically?
a) Voluntary muscles ☒ b) Involuntary muscles c) Arm muscles
4. Which organ works with the help of involuntary muscles?
a) Hand b) Leg ☒ c) Heart