



॥ Jai Sri Gurudev ॥
Sri Adichunchanagiri Shikshana Trust (R.)

BGS Vijnatham School

UT-2 Revision Worksheet-1 Answer Keys

STEP: 5

SUBJECT: Science

NAME: _____

ROLL NO. _____

General Instructions:

1. All the questions are compulsory.
2. Read all the questions carefully.

Q1. Choose the Correct Answer

- a. The part of the brain that controls balance and movement is —
i. Cerebrum **ii. Cerebellum** iii. Medulla iv. Spinal cord
- b. The main organ of the respiratory system is —
i. Heart **ii. Lung** iii. Stomach iv. Kidney
- c. In plants, water and minerals are carried from roots to other parts by —
i. Phloem **ii. Xylem** iii. Stomata iv. Stem
- d. The fluid that transports oxygen and nutrients in human body:
i. Water ii. Minerals **iii. Blood** iv. Urine
- e. Which part of plant is eaten in lettuce?
i. Fruit ii. Stems iii. Roots **iv. Leaves**

Q2. Fill in the Blanks

- a) **Mosses** have simple transport system.
- b) **Medulla** connects our brain to the spinal cord.
- c) The xylem transports water from **roots** to other parts of the plant.
- d) The **arteries** carries oxygen-rich blood from the lungs to the heart.
- e) The **cerebrum** controls our thinking, learning, and memory.

Q3. Answer in One Word

- | | |
|--|----------------|
| a. The wind pipe branches off into smaller tubes called | Bronchi |
| b. The process by which mosses absorb water from surrounding | Osmosis |
| c. Ring like bony structures present in hip and shoulder | Girdles |
| d. Excess food stored by plant | Starch |

Q4. Give Reasons

1. **Cerebrum is known as the centre of intelligence** because it controls thinking, reasoning, learning, and memory.
2. **Platelets are an important component of blood** because they help in clotting and prevent excessive bleeding.

Q5. Short Answer Questions

Ansa. Two differences between plant and human transport system:

	Human Transport System	Plant Transport System
i.	Blood is the fluid that transports oxygen and nutrients	Water is the fluid that transports mineral salts.
ii.	Heart have heart as their pumping organ.	Plants do not have any pumping organs.

Ans b. Difference between Voluntary and Involuntary Muscles:

- **Voluntary muscles** – Work under our control (e.g., arm muscles).
- **Involuntary muscles** – Work automatically (e.g., muscles of the stomach or heart)

Ans c. Spinal cord-A thick bundle of nerves that connects the brain to the rest of the body.

Function:- Carries messages between the brain and body and controls reflex actions.

Ans.d. Difference between ligaments and tendons:

- **Ligaments:** It is the tissue that connects bone to bone.
- **Tendons:** It is the tissue that connects muscle to bone.

e. Why circulatory system is called transport system?

Ans. Because it transports oxygen, nutrients, and hormones to all body parts and removes waste materials through blood.

Q6. Long Answer Questions

a. Three Types of Muscles:

1. **Skeletal Muscles** – These are voluntary muscles which helps in movement of our body parts. Ex: Muscles of arms and legs.
2. **Smooth Muscles** – These are involuntary muscles found in internal organs like Digestive system and blood vessels.
3. **Cardiac Muscles** – These are involuntary muscles found only in heart, work continuously.

b. Functions of the Skeletal System:

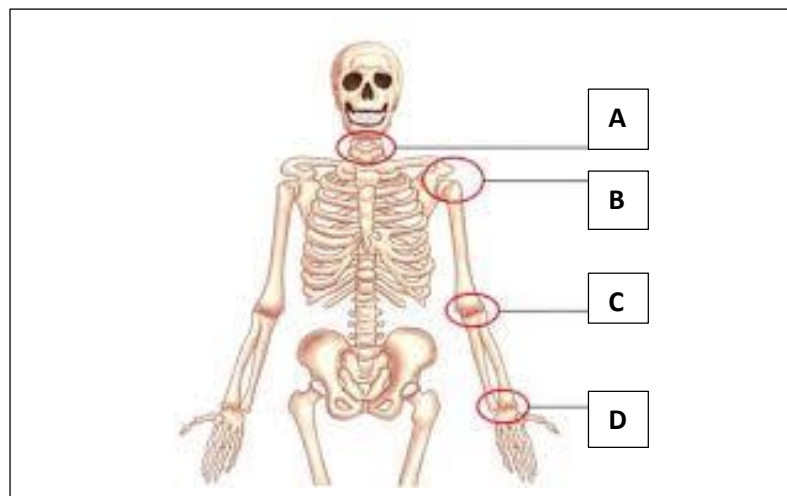
1. Gives shape and support to the body.

2. Protects internal organs (e.g., skull protects brain).
3. Helps in movement with the help of muscles.

Q7. Read the passage below and answer the questions that follows :-

- a) **Ball and socket joint**
- b) **Hinge joint**
- c) Ball and socket joint allows movement in all directions, while hinge joint allows movement in one direction only.
- d) **Hip joint**

Q8. Identify the picture and label the types of joint A ,B , C and D



Ans. A – Pivot Joint
 B – Ball and socket joint
 C – Hinge joint
 D – Gliding Joint

b. Identify A and B in the given diagram and write their functions:

	a. Identify A and B in given diagram and write its function. A –Phloem- It transports food from leaves to other parts of plant. B-Xylem-It transports water and minerals from roots to different parts of plants.
--	--

--	--