

SATISH CHANDRA MEMORIAL SCHOOL
SCIENCE CLASS TEST
CLASS VI

FM – 20

Time-40 Mins

PART A

ASSERTION AND REASON

Directions: In the following questions statement of assertion is followed by a statement of reason.
Mark the correct choice as

- (a) if both assertion and reason are true and reason is the correct explanation of assertion
- (b) if both assertion and reason are true but reason is not the correct explanation of assertion.
- (c) If the assertion is true but the reason is false.
- (d) If both assertion and reason are false.
- (e) if assertion false but reason true.

1. Assertion: The joint present between the bones of the upper arm and forearm is a pivot joint.
Reason: Pivot joint allows all-round movement.
2. In a liquid column containing honey, oil and water, honey will be found at the bottom.
Reason: Liquids with higher density sink.
3. Assertion: The set up in the picture can be used to separate a mixture of salt and water



Reason: The water will be converted to vapour and the salt will be left behind.

4. Assertion: Vitamin C deficiency causes scurvy.

Reason: It is found in amla.

5. Assertion: Roots can be divided into two types taproot and fibrous root.

Reason: Tap root has reticulate venation and fibrous root has parallel venation.

6. Assertion: The ribs are part of the rib cage which protects the heart and lungs

Reason: There are 12 pairs of ribs.

7. Assertion: We are able to move a few parts of our body easily in various directions whereas some parts can be moved in only one direction.

Reason: Different Types of joints are present in different parts of our body.

8. Assertion: The up and down movements of our arms are controlled by two types of muscles, biceps and triceps.

Reason: Biceps are the muscles that straighten the arm and triceps are the muscles that bend the bone.

9. Assertion: When you open your mouth wide, you can move your lower jaw away from your head, but you cannot move your upper jaw.

Reason: The joint between the upper jaw and rest of the head is a fixed joint whereas the joint between the lower jaw and rest of the head is a movable joint.

10. Assertion: Hinge joint is present in shoulder and hips.

Reason: Hinge joint is the joint that allows movement in all the directions.

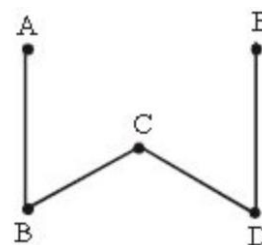
PART B

REASONING

1. A boy is going for a walk from A to E along the path as shown. The total trip consists of four straight paths AB, BC, CD and DE.

Choose the correct option

- a. The distance AE is shorter than displacement $AB+BC+CD+DE$
- b. The distance AE is longer than displacement $AB+BC+CD+DE$
- c. The distance $AB+BC+CD+DE$ is longer than displacement AE
- d. The distance $AB+BC+CD+DE$ is shorter than displacement AE



2. Spondylitis is a medical term where fusion of bones takes place which is caused by excessive minerals like

- a. Phosphorus b. Calcium. c. Sodium d. Potassium

3. Which of the following is an example of voluntary movement?

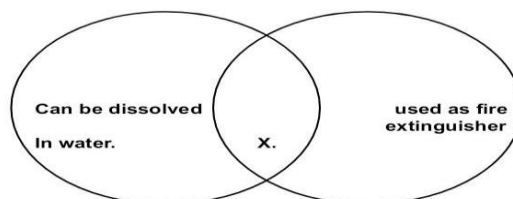
- a. Blinking b. Digestion c. Walking d. Shivering

4. What is the main function of the skeletal system in relation to body movement?

- a. Providing protection to internal organs
- b. Generating heat to maintain body temperature
- c. Supporting the body and enabling movement
- d. Transporting oxygen to body tissues

5. In the diagram given below, X is one of the gasses that is present in the air. Identify X.

- a. Carbon dioxide
- b. Oxygen
- c. Nitrogen
- d. Argon



6. Jumping : voluntary movement : : Breathing : _____

- a. Involuntary movement b. Nastic movement c. periodic movement

d. Gliding movement

7. The picture below shows a desert plant.

Which of the following characteristics help it to survive in the harsh climatic conditions?

- A. They have long deep roots which reach deep into the soil
- B. They have thick hard and woody stems called trunks
- C. Their leaves are modified into spines to reduce water loss
- D. They cannot grow upright on their own.

Choose correct option

- a. A and B
- b. B and D
- c. A and C
- d. C and D



8. How do tendons contribute to body movement?

- a. By connecting muscles to bones
- b. By protecting internal organs
- c. By carrying oxygen to body tissues
- d. By providing structural support

9. What will be the purposes of body movement in birds?

- a. Walk
- b. Fly
- c. Swim.
- d. all of the above

10. Sometimes because of careless movement, the bones at the movable joints slip out of their position _____

- a. Dislocation.
- b. Fracture.
- c. Joints
- d. Both a and b