

# WELCOME TO THE ONLINE CLASS

**SESSION NO.: 18**

**CLASS: 5**

**SUBJECT: SCIENCE**

**CHAPTER NUMBER: 9**

**CHAPTER NAME: OUR SKELETAL SYSTEM**

**SUB TOPIC: REVISION-1**

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**CHANGING YOUR TOMORROW**

# LEARNING OBJECTIVE

**To enable the learner to:**

- **review the topic.**

## **A. Choose the correct answer**

- 1. Which part of the facial region is movable?**  
a. Upper jaw    b. Lower jaw    c. nose region    d. Eye socket
- 2. The strong tissues that bind the bones at a joint.**  
a. Bone marrow    b. Tendons    c. ligaments    d. vertebra
- 3. The number of bones found in the vertebral column is**  
a. 11    b. 22    c. 33    d. 44
- 4. How many movable parts are there in the skull of 3589 people sitting in a stadium and watching a hockey match?**  
a. 3598    b. 3859    c. 3895    d. 3589
- 5. There are 10 people in a room watching a cricket match in the television. How many ball and socket joints will they collectively have?**  
a. 10    b. 20    c. 30    d. 40

## **B. Answer the following questions.**

- 1. Distinguish between voluntary and involuntary muscles.**
- 2. What disadvantage would you face if your backbone is made up of just one long bone?**
- 3. Imagine your neck joint to be a hinge joint. What kind of movement would you find very difficult to make?**
- 4. Classify which of the following are voluntary and which are involuntary actions from the following:  
[Dancing, Pushing of food into the intestine, Beating of heart, Standing on a roof]**
- 5. Identify the joints found in the following regions:  
Elbows, neck, between any two vertebrae, hip, wrist, knee, ankle**

# ANSWERS

## A. Choose the correct answer

- Which part of the facial region is movable?  
a. Upper jaw    **b. Lower jaw**    c. nose region    d. Eye socket
- The strong tissues that bind the bones at a joint.  
a. Bone marrow    b. Tendons    **c. ligaments**    d. vertebra
- The number of bones found in the vertebral column is  
a. 11    b. 22    **c. 33**    d. 44
- How many movable parts are there in the skull of 3589 people sitting in a stadium and watching a hockey match?  
a. 3598    b. 3859    c. 3895    **d. 3589**
- There are 10 people in a room watching a cricket match in the television. How many ball and socket joints will they collectively have?  
a. 10    b. 20    c. 30    **d. 40**

## **B. Answer the following questions.**

**1. Distinguish between voluntary and involuntary muscles.**

**Ans: Difference between voluntary and involuntary muscles:**

- The muscles which are under our control are known as voluntary muscles whereas the muscles which are not under our control are called involuntary muscles.**
- The muscles which are attached to our skeleton are voluntary muscles whereas the muscles of the alimentary canal, eye muscles, cardiac muscles are involuntary muscles.**

**2. What disadvantage would you face if your backbone is made up of just one long bone?**

**Ans: A single bone cannot bend at its own. Movement occurs only where two bones meet to form a joint. If backbone were a single bone, there would have been no movement.**

## **B. Answer the following questions.**

**3. Imagine your neck joint to be a hinge joint. What kind of movement would you find very difficult to make?**

**Ans: If our neck had hinge joint we would not be able to move or rotate our neck in all directions because hinge joints allows movement only in one direction like backward and forward.**

**4. Classify which of the following are voluntary and which are involuntary actions from the following:**

**[Dancing, Pushing of food into the intestine, Beating of heart, Standing on a roof]**

**Ans: Voluntary actions- Dancing, standing on a roof**

**Involuntary actions- Pushing food into the intestine, beating of heart.**



## **B. Answer the following questions.**

**5. Identify the joints found in the following regions:**

**Elbows, neck, between any two vertebrae, hip, wrist, knee, ankle**

**Ans: Elbows- Hinge joint**

**Neck- Pivot joint**

**Between any two vertebrae- Gliding joint**

**Hip- Ball and socket joint**

**Wrist- Gliding joint**

**Knee- Hinge joint**

**Ankle- Gliding joint**

# HOMWORK

**Learn Ch-10.**

# LEARNING OUTCOME

**The learner will be able to:**

- **review the topic.**

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**