

**Assignment No. 14**

- Q1. Define locomotion & give its use in animals.
- Q2. Describe three main types of movements shown by the cells of human body with examples.
- Q3 (a) Name the germinal layer from which muscles arise? Give the special properties of muscle.  
(b) Based on the location describe three different types of muscles found in human body.
- Q4 (a) Describe the gross structure of skeletal muscle of man.  
(b) Describe electron microscope structure of a muscle fibre with help of a diagram.
- Q5. Describe the structure of contractile proteins – actin & myosin (Mention all the proteins in them).
- Q6. Explain initiation of muscle contraction.
- Q7. Describe sliding filament theory of muscle contraction.
- Q8. What are the differences between red & white muscle fibres?
- Q9. With help of flowchart show all the divisions of human skeleton.
- Q10 Describe the skull bones of man.
- Q11 List the different vertebrae of vertebral column.
- Q12(a) How many ribs are present in man (b) What is the name given to 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup> rib? (c) What are floating ribs?
- Q13 Name the bones of pectoral & pelvic girdle in man.
- Q14 What are fibrous, cartilaginous & synovial joints? Give examples of each.
- Q15 Describe the disorders of muscular system.