

Name: _____

Q.1

(a) The diagram shows a human skeleton with a detailed drawing of the structure of the knee joint. The kneecap is not shown.

(i) Name the *bones* labelled **A** and **B**. (6)

Bone **A** _____

Bone **B** _____

(ii) What *type of joint* is the knee? (3)

Type _____

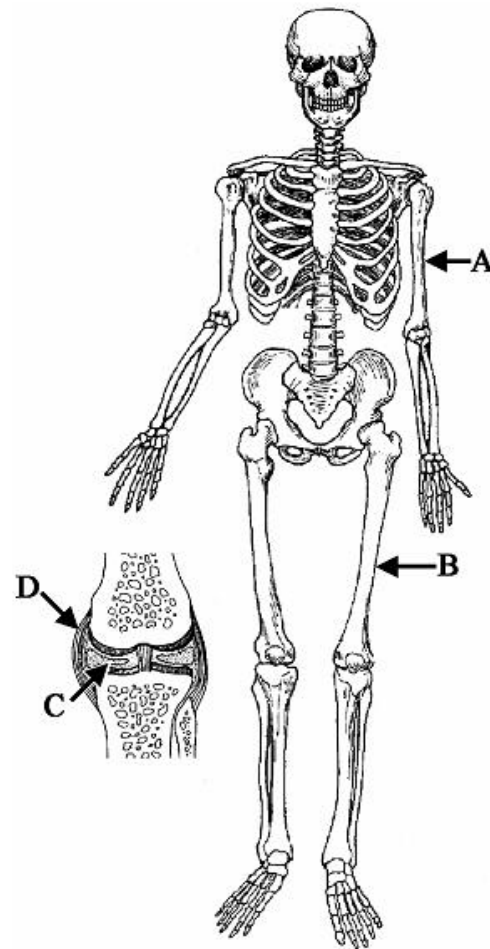
C is synovial fluid. **D** is a ligament.

(iii) Give the *functions* of the parts labelled **C** and **D** in the knee. (6)

C _____

D _____

(iv) Explain the *action of antagonistic pairs of muscles* in causing the *movement* of limbs. You may use a labelled diagram in your answer if you wish. (6)



Q.2

(b) Muscles can only cause movement by getting shorter (contracting).

(i) How many muscles are needed to move a bone forward and back in a joint?

How many? _____

(ii) Give an example.

Example _____

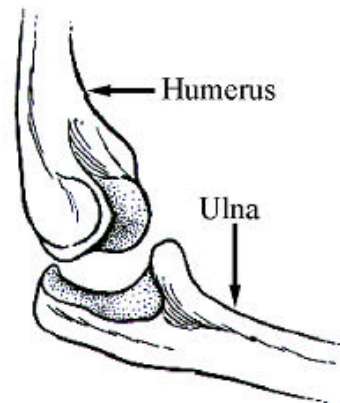
Q.3

Name the **type** of joint shown in the diagram.

Name _____

Describe the movements that this type of joint can make.

Describe _____



Explain how muscles cause the movements of this joint.

Explain _____

Q.4

(c) Name **two organs** that the human skull protects.

One _____

Two _____

