

1.2.5

# Exam questions

## Multiple-choice questions

1. (a) Which of the following is not a function of the skeleton?

- A Protects vital organs of the body
- B Stores minerals, essential to the good function of the body
- C Can be classified into groups
- D Provides the framework on which muscles attach to help movement

(b) Which of the following bones are linked with throwing a ball?

- A Humerus, ulna, fibula
- B Metacarpals, tibia, radius
- C Phalanges, humerus, carpals
- D Scapula, sternum, femur

(c) Which of the following best describes a joint?

- A A place where bones are close
- B Where several bones and muscles meet allowing movement
- C Where the production of movement occurs
- D Where two or more bones meet but where there is not necessarily movement

(d) Which statement best describes adduction?

- A Movement bringing the limbs of the body towards the centre
- B Where the angle of the joint decreases
- C Where the angle increases between the bones at a joint
- D The joint moves in a circular motion

(e) Which joint is mainly involved in the action of kicking a football?

- A Pivot joint
- B Hinge joint at the elbow
- C Ball and socket at the hip
- D Hinge joint at the knee

(1)

## Short-answer questions

(1) 2. Giving shape and support are two functions of the skeleton. What are the other three?

(3)

3. What is the name of the movement at a joint used in the shoulder action in a tennis service?

(1)

## Longer-answer questions

(1) 4. This question refers to the range of movement at a joint.

Simon's preferred stroke in swimming is butterfly. Part of his training is on flexibility and he wants to start with the joints giving greatest flexibility.

- (a) Which joint will he work on first?
- (b) What type of movement does this joint allow?
- (c) Describe the parts that make up this joint.

(4)

(1) 5. This question refers to potential injuries resulting from participation.

An athlete training for a marathon suffers pain in the lower leg as the foot impacts the ground. The athlete is concerned that it is some kind of fracture.

- (a) What type of fracture could it be?
- (b) How does this type of fracture occur?
- (c) What treatment should follow?

(4)