Anatomy and Physiology

- 14. (a) A player is kicking a ball using his right foot. Describe how EACH of the following parts of the skeletal system supports the lower body during this movement.
 - (i) Femur
 - (ii) Pelvic girdle (4 marks)
 - (b) Describe FOUR effects of exercise on the skeletal system. (8 marks)

Total 12 marks

Fitness and Performance

- 15. (a) (i) The training year is divided into THREE seasons or periods. Name EACH of the THREE seasons or periods. (3 marks)
 - (ii) For any ONE of the seasons or periods named in (a) (i) above, outline the activities that are done by an athlete. (4 marks)
 - (b) A trained individual is in a better state of physical fitness than a person whose lifestyle is inactive. State FIVE characteristics of the trained individual.

(5 marks)

Total 12 marks

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Do not allous movement to Hall the femuer to take place. femur allows the She the direction De only tagoin one de 1 ck incli movement ca only in one femur The plane eight of supports. the 10 ł Ś . e Д

14 10 Four effects of exercise on the skelptal system are: i) compact tone become bone made of fulcium ament becomes harder and Stronger (i) increased production of hypoline cartilage for the epiphysis which neduces Inchin between the points in describility of sound, allowing us to reach more out of our normal range of movement (iv) Increased production of white blood cells in the marrow eavily Of the bone and ned prod cuts in the spongy more as exercise allows for bone growth which eventually decreases the grafoth plate

15 Fitthe three seasons of a training grave are pre-season peak season one M- season. \langle 1) In the pre-season, there is much more tocus of applying strikened Aderics than in. off-season but less than in the peak - searn. An athlete toques on acque proper techniques and stants and working ox musular power, strength and enduras

15 b) Five characteristics are of a prained individual are - Defficient cardio vois cular føystem uprop is penegicialin the prevention of dispases. nd anaerospic fitness and increased aestaic, ~- 🙋 3 encreased rate of metabolism in people - @ increased cardias output 0 a more efficient respiratory system uhich amount of energy production and decreases

Physical Education and Sport

Paper 01 - May 2011

Comments

Question 14 (a):

The candidate showed some general understanding, although not accurate, of the skeletal system and its major role of support in the production of this movement.

Question 14 (b):

The description of benefits of exercise on the skeletal system is acceptable with the emphasis on general strengthening. Full marks were received due to the wide range of effects offered.

Question 15 (a) (i):

The candidate identified three seasons for the full marks.

Question 15 (a) (ii):

This answer presents a satisfactory reflection of the narrowed focus on the specifics and competition applications characteristics of the peak season.

Question 15 (b):

The listing of these specific characteristics shows a satisfactory recognition of the characteristics of the trained individual.