

- (a) Name the parts labelled **A, B, E** and **F**. (4 marks)

A

B

E

F

- (b) Use arrows to show the direction in which blood flows in the heart. (2 marks)

- (c) Give a reason why the wall of chamber **C** is thicker than chamber **D**. (2 marks)

Candidates were required were to name parts of the mammalian heart showing circulation of blood in the heart, giving a reason why the wall of the left ventricle is thicker than the wall of the right ventricle.

Weakness

Majority of candidates failed to see the necessity for the left ventricle to exert more pressure than the right ventricle.

Expected Response

- a) **A** - Pulmonary vein;
 B - Left atrium (auricle);
 C - Tricuspid valve;
 D - Pulmonary artery;
- b) Correct direction of arrows
- Left side;
 - Right side;
- c) The left ventricle 'C' pumps blood a longer distance/to all parts of the body; while the right ventricle 'D' pumps blood a shorter distance to the lungs;

Question 14

- (a) What is the difference between Darwinian and Lamarckian theories of evolution? (2 marks)
- (b) What is meant by the following terms? Give an example in each case.