

### Question 11

Fruit formation without fertilization is called ..... (1 mark)

Candidates had to state fruit formation without fertilization.

### Weaknesses

Candidates had to either know parthenocarpy or not. A large number of candidates did not know.

### Expected Response

Parthenocarpy;

### Question 12

A cross between a red flowered plant and a white flowered plant produced plants with pink flowers.

Using letter R to represent the gene for red colour, and W for white colour,

- (a) What were the parental genotypes?..... (1 mark)
- (b) Work out a cross between  $F_1$  plants. (4 marks)
- (c) Give the
  - (i) Phenotypic ratio of  $F_2$  plants. (1 mark)
  - (ii) Genotypic ratio of  $F_2$  plants. (1 mark)
- (d) Name a characteristic in humans which is controlled by multiple alleles. (1 mark)

Candidates had to cross from two homozygous parents in a trait showing complete dominance.

### Weaknesses

Candidates made mistakes in circling of parental genotypes and there was confusion between phenotypes and genotypes and many did not know the distinction between ratios and numbers.