

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.