1. State a function of the sepal.

**Protects the flower when it is a bud.**

1. In which part of the flower is pollen produced?

**Anther of the stamen**

1. State a function of each of the following parts of a flower: 1. petal 2. sepal 3. anther.

1. Petal**: attraction of insects** or **feature of** or **platform for insects to land on;** 2.Sepal**: protection (of flower)(bud)** or **photosynthesis ;** 3.Anther**: production** or **storage of pollen**

1. Name a part of a flower from which a fruit develops.

**Carpel / ovary**

1. Where is pollen produced in the stamen?

**Anther**

1. State a role for each of the following: sepal, anther, stigma, ovary.

Sepal**: protection / photosynthesis / attracts insects;** Anther**: pollen production or storage or release;** Stigma**: receives pollen;** Ovary**: produces or contains ovule or embryo sac or female gametes / becomes fruit / site of fertilisation**

1. The two male gametes in the pollen tube are derived from the generative nucleus. Do these gametes form as a result of mitosis or meiosis? Explain your answer. Describe the fate of each of the male gametes.

**Mitosis; from haploid (generative nucleus) or chromosome number retained or two (daughter cells) produced; one fuses with “egg” (nucleus) other fuses with (primary) endosperm nucleus or polar nuclei**

1. What is the function of the petal? Give two ways in which it may be adapted for this function.

**To attract insects or pollination; Colour / scent / size / shape**

1. In which part of the flower is pollen produced?

**Anther** or **stamen**

1. In which part of the flower is pollen produced?

**Anther / stamen**

1. Give a role for each of the following parts of a flower: sepals, anther, stigma.

Sepals**: protect flower (**or **bud)** or **photosynthesis** or **attract insects;** Anthers**: produce pollen;** Stigma**: traps (**or **catches) pollen** or **where pollen lands**

1. Give a brief account of the role of each of the following in flowering plant reproduction. 1. Petal. 2. Anther. 3. Stigma;

1. Petal**: Attracts insects (**or **other pollinators); 2.** Anther**: (Site of) pollen manufacture or (site of) pollen release**; 3.Stigma**: Pollen lands on it** or **pollen sticks to it** or **pollen germination**

1. What part of the flower produces pollen?

**The anther** or **stamen**