

WELLAND GOULDSMITH SCHOOLS

CLASS : VIII

SUBJECT : BIOLOGY ANSWER KEY

A) Define the following terms:

- a) Reproduction : The process by which old organism gives rise to a new organism.
- b) Ovum : The Female gamete which are non-motile and round in structure.
- c) Pollination : It is the transfer of pollen from anther to stigma of the plant or different plant of the same species.
- d) Uterus : A muscular organ with an inner layer of spongy tissues where the fertilised egg develops.
- e) Emasculation : The process in which the stamens of bisexual flower are removed before its anther matures

B) Give one function of the following:

- a) Oviducts : They are tubes that carry eggs from the ovaries to the uterus.
- b) Scrotum : It holds the testes outside the body and provides an optimal temperature for the formational of sperms.
- c) Epididymis : Sperms are stored here.
- d) Petals : To attract insects for pollination .
- e) Nectary : These are cells that secrete nectars.

C) State true or False. If false rewrite the correct statement.

- a) Ovules form seed - True
- b) Hibiscus display the widest variety of pollinating devices.
False, orchids display the widest variety of pollinating devices.
- c) Arjun and Sonalika are the high yielding varieties of rice.
False, Arjun and Sonalika are the high yielding varieties of wheat.
False, Ratna, Pankaj, Jaya, Padma are the high yielding varieties of rice.
- d) Testosterone is a hormone produced by ovaries.

False, Estrogen is a hormone produced by ovaries.

False, testosterone is a hormone produced by testes.

e) Menarche occurs at the age of 10 – 12 years - True

D) Answer the questions:

a) What is implantation?

Ans: Fixing of embryo on the wall of uterus.

b) Give two point of differences between asexual reproduction and sexual reproduction.

Asexual Reproduction	Sexual Reproduction
i) Involves only one parent.	i) Involves two parents.
ii) Gametes are not produced	ii) Gametes are produced.

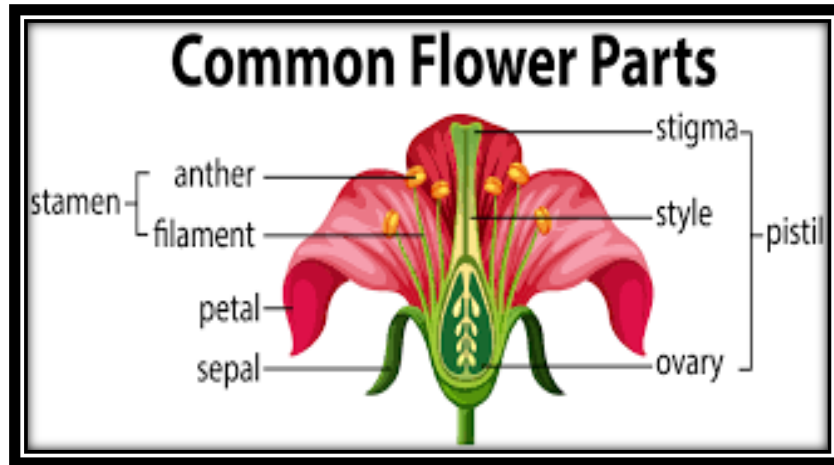
c) Identify structure [A]. What does it produce? Define the substance produced by structure[A].



Ans: Structure [A] is a Stamen. It produces pollen.

Pollen is a yellowish powder that is made-up of pollen grains that produce the male gametes of flowering plants.

d) Draw and label the parts of a flower.



e) Why do animals that reproduce externally produce many eggs?

Ans: In external fertilisation, many of the gametes fail to pair up. For these reasons animals that fertilise externally produce many eggs.

f) Name the hormone that bring changes in males and females during puberty.

Ans: The hormones that are responsible for changes in males and females

During puberty are:

- i) Male hormone : Testosterone
- ii) Female hormone : Estrogen and Progesterone