

Class XII Summer Holiday Homework (Biology), K.V. Nehu, Shillong

The questions consist of two statement each printed as Assertion and Reason. While answering them choose any 1 out of 4 options, and state the reason for your answer.

- A. If both assertion and reason are true and reason is correct explanation of assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of assertion.
- C. If assertion is True but Reason is false.
- D. If both Assertion and reason are false.

1.Assertion :Dichogamy refers to maturation of male and female sex organs at different times

Reason : This is safeguard against cross pollination

- A.
- B.
- C.
- D.

2.Assertion : Entomophilous plants produce less pollen when compared to Anaemophilous plant

Reason : The wastage of pollen is reduced to the minimum in entomophilous plants because of directional pollination

- A.
- B.
- C.
- D.

3.Assertion : The endosperm of angiosperm is generally $3n$

Reason : It develops from primary endosperm nucleys formed by fussion of haploid male gamet and diploid secondary nucleus.

- A.
- B.
- C.
- D.

4.Assertion : Cervix contain the largest and powerfull sphincter muscle in body.

Reason : Cervix opens into vagina by external OS

- A.
- B.
- C.
- D.

B) Give scientific reasons of following statement

1. Offspring formed by asexual reproduction are called clone.
2. The germinal epithelium of seminiferous tubules has non- spermatogenic cells too.
3. Failure of testes to descend into scrotum during Embroyogenic development causes sterility
- 4.Breasts have lactiferous sinus under nipples
5. Luteal please of menstrual cycle is also called secretory phase.
6. Oviduct opens into body cavity by wide funnel shaped fimbriated ostium

C. Prepare ppt presentation on Reproductive health, it should not be more than 15 slides and submit it in CD form.