

M. 10  
12/8/21

## Assertion - Reason Type

1. Assertion (A): The Growth hormone stimulates the growth of different body parts.

Reason (R): Gonadotropins stimulate the production of sex hormones.

Ans (b) If both Assertion and Reason are true but Reason is not the correct explanation of Assertion.

2. (A): Testes lies in penis outside the body.

(R): Sperms require temperature lower than the body temperature for development.

Ans (d) If both Assertion and Reason are false.

3. (A): colonies of yeast multiply in sugar solution.

(R): Sugar is made of sucrose which provides energy for sustaining all life activities.

Ans (a) Both Assertion and Reason are true and Reason is the correct explanation of Assertion.



(4) (A): Pollen grains from the carpel stick to the stigma of stamen.

(R): The unfertilised egg cells grow inside the ovules and become seeds.

Ans (d) Both Assertion and Reason are false.

(5) (A): The offspring produced by sexual reproduction is likely to adjust better in environmental fluctuation.

(R): During the fusion of gametes there is mixing of genetic material from two parents.

Ans (a) Both Assertion and Reason are true and Reason is the correct explanation of Assertion.

7.8. (A): Asexual reproduction is a primitive type of reproduction

(R) Asexual reproduction involves only mitotic cell division.

Ans (a) Both assertion and Reason are true and Reason is the correct explanation of Assertion.



8. (A): Spores are unicellular bodies.

(R): The parent body simply breaks up into smaller pieces on maturation.

Ans (C) Assertion is true but Reason is false.

### Multiple choice questions

9. Which among the following is not the function of testis at puberty?

Ans (C) Ovulation

10. Length of the pollen tube depends upon the distance between,

Ans (b) Pollen grain on upper surface of stigma and ovule.

11. Fertilisation occurs in human female when the sperms and ovum reach simultaneously at

Ans (a) fallopian tube

12. In the list of organisms given below, those that reproduce by the asexual method are

Ans (b) (i), (ii), (v)



13. Which of the following is the correct sequence of events of sexual reproduction in a flower?

Ans (c) pollination, fertilisation, embryo, seedling.

14. Which of the following is not an artificial method of vegetative propagation?

Ans (c) Budding

15. There is a greater possibility for the evolution of a new species in organisms which reproduce by

Ans (c) Fertilisation.