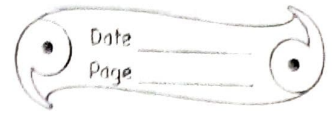


17 / Aug / 2021



Home Assignment

- (a) If both assertion and reason are true and reason is the correct explanation of Assertion.
- (b) If both ~~also~~ 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 (A) :- Growth hormone stimulates the growth of different body parts.

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

Ans (b)

(2) ~~Testis~~ Assertion (A) :- Testes (scrotum) penis outside the body.

Reason (R) :- Sperm require temperature lower than the body temperature for development.

ans. (c)

(3) Assertion (A) :- Coloured of yeast multiply in Sugar solution.
Reason (R) :- Sugar is made up of Sucrose which provides energy for sustaining all life activities.

ans (a)

(4) Assertion (A) :- pollen grains from the Cappel stick to the stigma of stamen.
Reason (R) :- The unfertilised egg grow inside the ovules and become seeds.

ans (d)

(5) Assertion (A) :- The offspring produced by sexual reproduction is likely to adjust better in environmental fluctuation.
Reason :- During the fusion of gametes there is mixing of

genetic material of two parents.
ans (a)

(6) ans (c) Same as question 2

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

Reason (R): Asexual reproduction involves only mitotic cell division.

ans (a)

(8) Assertion (A): Spores are unicellular bodies.

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

ans (b)

Multiple choice questions.

9) Which of the following is not the function of testes at puberty?

ans (c) Ovipulation

(10) Length of the pollen tube depends upon the distance between
and (b) pollen grains on upper surface of stigma and ovule.

(11) Fertilisation occurs ~~when~~ in human female when the sperm and ovum reach simultaneously at
and (a) fallopian tube

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

(i) banana

(ii) dog

(iii) yeast

(iv) Amoeba

and (i), (iii) and (iv)

~~(ii) and (iv)~~

(13) Which of the following is the correct sequence of events of sexual reproduction
and (c) pollination, fertilisation, embryo, seedling

Which of the following is not
an asexual method of
vegetative propagation?
(a) Budding

There is a greater possibility
for the evolution of a new
species in organisms which
reproduce by
(c) fertilisation