



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



SOLUTIONS- 3

Class: XII

Sub: BIOLOGICAL SCIENCES

Date: 03.07.202

Topic -Ch 1(part 3)-Sexual reproduction,life span and parthenogenesis F.M. : 15

Choose the correct option:

(1x15=15)

- The following is not the characteristic of sexual Reproduction -
a) Two types of gametes are produced b) Meiosis takes place c) **Variation is absent in offsprings** d) Alteration of generation
- The phenomenon of presence of both gamete producing structures in the same organism is called-
a) Conjugation b) Syngamy c) **Homothallism** d) Heterothallism
- The type of syngamy where one gamete is motile and another is non-motile :-
a) Isogamy b) **Oogamy** c) An isogamy d) Hologamy
- The type of fertilization where eggs and sperms are shed simultaneously in water :-
a) Internal fertilization b) **External fertilization** c) Self fertilization
d) Double fertilization
- The progressive deterioration of metabolic activities is called:
a) **Ageing** b) Senescence c) Oogamy d) Death
- The two gametes which are structurally and functionally different :-
a) **Heterogametes** b) Homogametes c) Isogametes d) none of these
- The process of parthenogenesis can be induced using:
a) Temperature b) hormones c) electric shocks d) **all of these**
- Post fertilization events include :-
a) Zygote formation b) Gametic fusion c) Embryogenesis d) **Both (a) and (c)**
- The development of embryo from zygote is called:-
a) **Embryogenesis** b) Embryo rescue c) Embryogenesis d) All of these
- The process of development of embryo in the fertilized or unfertilized egg outside the body of some animal is called :-
a) External fertilization b) **Ovipary** c) Vivipary d) None of these
- Ovoviviparous development of embryo takes place in :-
a) Fish b) Man c) **Shark** d) Cow

12. is an example of continuous breeder.
a) Cow b) Cat **c) Human** d) Dog
13. When embryo develops fully inside the mother's body, it is called :-
a) Ovipary **b) Vivipary** c) Ovovivipary d) None of these
14. The following is the not a characteristic of estrous cycle:
a) reabsorption of endometrium **b) blood flow** c) period of heat d) female becomes receptive for copulation only during period of heat
15. Oestrous cycle occurs in :
a) Humans b) Apes c) Monkeys **d) Dogs**

Shaista Ahmed