



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



## WORK SHEET – 3

Class: XII

Sub: BIOLOGICAL SCIENCE

Date: 03.07.2021

Topic – Ch 1 (part 3) Sexual Reproduction, Life span and parthenogenesis F.M. : 15

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Choose the correct option:

(1x15=15)

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

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