



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 3 (solutions)

Class: XII

Sub: BIOLOGICAL SCIENCES

Date: 13.05.2020

Topic –Sexual reproduction in organisms –Part 1

F.M. : 15

Choose the correct option:

(1x15=15)

1. 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
Answer : Variation is absent in offsprings (c)
2. The phenomenon of presence of both gamete producing structures in the same organism is called-
a) Conjugation b) Syngamy c) Homothallism d) Heterothallism
Answer : Homothallism (c)
3. The type of syngamy where one gamete is motile and another is non-motile :-
a) Isogamy b) Oogamy c) An isogamy d) Hologamy
Answer : Oogamy (b)
4. 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
Answer :External fertilization (c)
5. The process of formation of gametes is called :-
a) Fertilization b) Gametogenesis c) Oogamy d) Syngamy
Answer : Gametogenesis (b)
6. The two gametes which are structurally and functionally different :-
a) Heterogametes b) Homogametes c) Isogametes d) none of these
Answer : Heterogametes (a)
7. The fusion of a male and a female gamete is called :-
a) Syngamy b) Fertilization c) Double fertilization d) Both Syngamy and fertilization
Answer : Both Syngamy and fertilization (d)
8. Post fertilization events include :-
a) Zygote formation b) Gametic fusion c) Embryogenesis d) Both (a) and (c)
Answer : Both (a) and (c) (d)

9. The development of embryo from zygote is called:-
a) Embryogenesis b) Embryo rescue c) Embryogenesis d) All of these
Answer :Embryogenesis (c)
10. 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
Answer : Ovipary (b)
11. Ovoviviparous development of embryo takes place in :-
a) Fish b) Man c) Shark d) Cow
Answer : Shark (c)
12. Embryogenesis include :-
a) Development of embryo b) Mitotic division c) Organ formation d) All of these
Answer : All of these (d)
13. When embryo develops fully inside the mother's body, it is called :-
a) Ovipary b) Vivipary c) Ovovivipary d) None of these
Answer : Vivipary (b)
14. What is formed after fertilization?
a) A zygote b) A gamete c) A sperm d) An egg
Answer : A zygote (a)
15. Gametes are usually ----- with respect to their chromosome number :-
a) Diploid b) Haploid c) Homogametes d) Heterogametes
Answer : Haploid (b)

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