



# ST. LAWRENCE HIGH SCHOOL



## A JESUIT CHRISTIAN MINORITY INSTITUTION

### WORK SHEET – 17

Class: XII

Sub: Biological Science

Date: 19.06.2020

#### Topic: Chapter 5 (part 6) Sex determination in Organisms

F.M. : 15

**Choose the correct option:**

**(1x15=15)**

1. The genes that determine the sex of an organisms are located on :-  
a) Autosomes b) Allosomes c) Lampbrush Chromosome d) All of these
2. The other name for sex chromosomes is :-  
a) Allosomes b) Idiochromosomes c) Autosomes d) Both (a) and (b)
3. The sex chromosomes were first discovered by :-  
a) Henking b) Morgan c) Hugo de Vries d) None of these
4. When a male produces two types of sperms in equal proportion it is called :-  
a) Male heterogamy b) Male homogamy c) Male digamety d) Both (a) and (c)
5. The sex of an organism can be influenced by :-  
a) Temperature b) Association c) Sex Chromosomes d) All of these
6. The animal in which if the eggs are incubated at 33°C they will produce male progeny and if incubated at 31°C will produce females progeny only :-  
a) Starfish b) Crocodile c) Parrots d) Garden Lizard
7. In man the \_\_\_\_\_ type of sex determination takes place :-  
a) XX – XY type b) ZZ-ZW c) Haplo-diploid d) XX-XI
8. ZZ-ZW type of sex determination is found in :-  
a) Butter flies b) Birds c) Reptiles d) All of these
9. In ZZ-ZW type of sex determination :-  
a) Male are homogametic and no female gametes are present b) Males are heterogametic  
c) Females are heterogametic and no male gametes d) Males are homogametic and females are heterogametic
10. The type of eggs produced in ZZ-ZW type of sex determination :-  
a) Only Z type b) Only W type c) 50 % Z type and 50 % W type d) No eggs are produce
11. Haplo-diploid type of sex determination is found in :-  
a) Honeybees b) Wasps c) Ants d) All of these
12. The unfertilized eggs in honey bees change into males by the process of :-  
a) Growth b) Parthenogenesis c) Fertilization d) Differentiation

13. In honeybees the queen bee has \_\_\_\_\_ chromosomes.  
a) 162 b) 16 c) 32 d) 42
14. The sperms of honeybees are produced by :-  
a) Mitosis b) Meiosis c) Cleavage d) Amitosis
15. In man the sperm which carries the Y chromosomes is called :-  
a) Androsperm b) Gynosperm c) Polysperm d) None of these

Shaista Ahmed

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