SUBJECT - BIOLOGY **CLASS- X**

TERM-SA2

ASSIGHNMENT NO 5 **TOPIC- Heredity and Evolution**

1) Give examples of animals where sex determination is not genetically determined?
2) If a trait A exists in 10% of a population of an asexually reproducing species and a trait B exists in 60% of the same population, which trait is likely to have arisen earlier?
3) Give example of characteristics being used to determine how close two species are in evolutionary terms.
4) What do fossils tell us about the process of evolution?
5) Why did Mendel choose garden pea for his experiments
6) Why do human beings who look so different from each other in terms of size, color, and looks are said to belong to the same species?
7) What is speciation?
8) How can we say that a child has two versions of a trait?
9) How do Mendel's experiments show that traits may be dominant or recessive?
10) The genotype of purple flowered pea plants is denoted as WW and that of white flowered pea plant as ww. When these two are crossed

i) What color of flowers do you expect in their F1 progeny?

ii) What will be the percentage of white flowered plants produced if F1 plants are self pollinated?