

DAV BORL PUBLIC SCHOOL, BINA

REVISION WORKSHEET FOR SA1 (2013-14)

Class :XII

Subject: Biology

Q A Fill in the blanks using suitable words:

- 1 Replication of DNA takes place in ___ to ____ direction.
- 2 AUG Codon codes for _____.
- 3 _____ and _____ are examples of nonsense codon..
- 4 Scientific name of a Fruitfly is _____
- 5 Females having sex chromosome as XO is said to be suffering from _____.

Q B Answer the following questions in brief:

- 1 Who is the father of Genetics?
- 2 What is the scientific name of the plant used to give out "Laws of inheritance"?
- 3 What is the phenotypic ratio of a dihybrid cross in F₂ generation?
- 4 Name the pattern of inheritance where the genotypic and phenotypic ratio of a cross comes out to be same in F₂ generation.
- 5 Name the disorder observed in a female, when one of her sex chromosome is missing.
- 6 What is the phenotypic ratio of a test cross?
- 7 Who gave an experimental proof of the fact that the DNA replication is semi conservative?
- 8 What is the number of chromosomes in a man suffering from Knilefelter's syndrome?

Q C Define the following term

- 1 Parturition
- 2 Genetic codon
- 3 Homologous organs

Q D Answer the following questions in detail with the help of diagram.

- 1 Explain Hardy –Weinberg principle with the help of diagram showing operation of natural selection.
- 2 Explain the steps of protein synthesis