



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 24.04.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: INTER-RELATIONSHIP AMONG
CHROMOSOME, DNA & GENE & TYPES OF CHROMOSOMES

WORKSHEET 16

Choose the correct option:

(1X15=15)

1. The character of all living organisms result from the interaction of
a. Environment b. Gene c. Both a & b d. None of these
2. Continuity of generation is obtained by
a. Cell division b. Cell elongation c. Cell differentiation d. Both b & c
3. Which of the following is the specific location of DNA in Eukaryotic cells?
a. Nucleus b. Cytoplasm c. Chromosome d. Both b & c
4. Number of hydrogen bonds present between each Guanine & Cytosine pair in DNA is
a. Two b. One c. Three d. None of these
5. By which of the following is DNA made of?
a. Polynucleosides b. Polynucleotides c. Polysaccharides d. Both a & c
6. Which of the following is the correct pair of bases?
a. A –T b. T-A c. G-T d. Both a & b
7. The tightly wound DNA inside the nucleus represents
a. Chromosome b. Chromatin reticulum c. Both a & b d. Protein
8. Chromosome is composed of
a. DNA b. Histone protein c. Non-histone protein d. Both a & b
9. The Human chromosome 15 is shorter than
a. Chromosome 2 b. Chromosome 19 c. Chromosome 20 d. Chromosome 22
10. Which of the following type of chromosomes are placed side by side in Karyogram?
a. Homologous Chromosome b. Non-homologous Chromosome c. Both a & b d. None of these
11. Which of the types of chromosomes form Partial homologous pair in Karyogram?
a. Autosomes b. Allosomes c. Sex Chromosomes d. Both b & c
12. Which of the following is termed as functional segments of DNA?
a. Nucleotides b. Chromatin c. Gene d. Chromosome
13. Which of the following chromosomes has different structure in different sexes of human?
a. Chromosome 4 b. Chromosome 23 c. Chromosome 19 d. Chromosome 22
14. Which of the following is a heterogametic sex in human?
a. Male b. Female c. Both a & b d. None of these
15. In Karyogram of Human which of the following allosomes is shortest?
a. X Chromosome b. Y Chromosome c. Z Chromosome d. W Chromosome

-Debjani Chakraborty