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CLASS – XI : BIOLOGY

- 1-Stage connecting meiosis I and meiosis II is-----.
- 2-Phase of cell cycle when DNA polymerase is active
(a) G1 (b) G2 (c)S (d)M
- 3-Cell undergoes differentiation in -----.
- 4-Chromosomes appear beaded during-----.
- 5- What is Spireme stage?
- 6-Which type of cell division helps in regeneration?
- 7-Name the two types of cytokinesis?
- 8-Write a brief note on Colchicine.
- 9-Which type of mitosis is known as direct cell division?
- 10-Bring out the differences between Karyokinesis and cytokinesis.
- 11-Explain plant cytokinesis with diagram.
- 12-Why is meiosis essential in sexually reproducing organisms?
- 13-What is the sequence of different phases in cell cycle?
- 14-(a) When does the synthesis of DNA take place during cell division?
(b)Describe briefly the various stages of cell cycle during the interphase preceding mitosis.
- 15-Explain the role of CDKs in regulating cell division.
- 16-What is genome? How many genomes are there in a haploid cell and a diploid cell?
- 17-A cell has 24 chromosomes before cell division. How many chromosomes will be there in
(a) One of the daughter cells resulting from mitotic division?
(b) One resulting from meiotic division?
- 18-Explain in brief the ultra structure of a bacterial cell.
- 19-Differentiate between gram positive and gram negative bacteria.
- 20-What are plasmids?
- 21-Compare primary and secondary cell wall.
- 22-Write a detailed description of Lamellar models of plasma membrane.

23-Enumerate the differences between active transport and passive transport.

24-what do you mean by pinocytosis and phagocytosis.

25-Explain the various types of lysosomes and mention their functions.

26-Write the functions of cilia and flagella.

27-Differentiate between euchromatin and heterochromatin.

28-What do you mean by Polyteny and Polyploidy?

29-Enumerate the differences between Chromatin and chromosomes.

30-Write the functions of Chromosomes.