

St. Mary's PG College Vidisha

B. Sc. 1st year Biotechnology paper 1

Q1. Explain Prokaryotic cell or Eukaryotic cell with diagram.

Q2. Short notes on Eubacteria Or Archaeobacteria

Q3. Explain cell theory with exception.

Q4. Describe various model's of plasma membrane.

Q5. Difference between active and passive diffusion.

Q6. Comment on the following:-

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|-----------------|----------------|--------------------------|
| a. Mitochondria | b. Chloroplast | c. Endoplasmic reticulum |
| d. Golgi bodies | e. Lysosome | f. centriole |
| Cell wall | | |

Q7. Describe the nucleus.

Q8. What is cell cycle? Explain in details.

Q9. What is meiosis? Explain with well labelled diagram.

Q10. Explain anomalies in cell division and associated diseases.

Q11. What are cell-cell interaction.?

Q12. Write notes on cell differentiation.

Q13. What is cell Locomotion.?

Q14. Describe the cell membrane.

Q15. What is Apoptosis.?. Explain in detail

Q16. Give an detail account in different types of cancer.

Q17. Write Short note on:- Necrosis , Senescence