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1. Explain in detail fluid Mosaic Model of plasma membrane? **16**
- OR**
- i) Describe in details cell wall of Bacteria? **8**
- ii) Describe in detail general structure of plant cell? **8**
2. Explain in detail cytological events in mitosis? **16**
- OR**
- i) Describe in detail apoptosis? **8**
- ii) Discuss in detail signal transduction in animal cell? **8**
3. Describe in detail structure and function of meristematic tissue? **16**
- OR**
- i) Discuss in detail structure of stomata? **8**
- ii) Describe in detail cell to cell interaction? **8**
4. Explain in detail structure of Nucleic acid (DNA) and its function? **16**
- OR**
- i) Describe in detail secondary structure of protein? **8**
- ii) Discuss in details building blocks of cellulose? **8**
5. Write in short.
- i) Discuss the structure of mitochondria? **4**
- ii) Discuss regulation of cell division? **4**
- iii) Describe the structure of parenchyma? **4**
- iv) Describe in short Ramachandran plot? **4**

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