



- Q-5** (14)  
Write a detail note on pentose phosphate pathway.
- Q-6** (14)  
**Attempt all questions**  
(a) State and explain different types of cellular transport  
(b) Aerobic Respiration
- Q-7** (14)  
Explain the internal structure and functions of mitochondria. Describe its unique significance.
- Q-8** (14)  
**Attempt all questions**  
(a) Write a detail note on bacterial growth in response to temperature. 7  
(b) Write a note on alcohol fermentation. 7

