



b) Discuss the significance of Photorspiration (7)

**Q-6** **Attempt all questions** (14)

a) Stomatal opening and closing is an important phenomenon in transpiration. Discuss (7)

b) Explain CAM pathway. Also name the CAM plants (7)

**Q-7** **Attempt all questions** (14)

a) Compare Mass flow hypothesis and Protoplasmic Streaming Theory (7)

b) Write a note on macro elements essential for plant growth (7)

**Q-8** **Attempt all questions** (14)

a) Discuss the photosynthetic apparatus and the pigments responsible for Photosynthesis (7)

b) Draw a well labeled diagram of mitochondrion. Also discuss its significance as a respiratory centre. (7)

