

- a) TCA (7)
- b) Denitrification (7)

Q-4 Attempt all questions

- a) Explain the steps of bacterial growth curve. (7)
- b) Cynobacteria (7)

Q-5 Write short notes on

- a) EMP pathway (7)
- b) Explain the diauxic growth curve. (7)

Q-6 Attempt all questions

- a) Explain the effect of temperature on microbial growth. (7)
- b) What do you mean by passive transport? Briefly explain the main types of it. (7)

Q-7 Write short notes on

- a) Active transport (7)
- b) Halophiles and Psychrophiles (7)

Q-8 Attempt all questions

- a) Explain the process of photosynthesis by green bacteria. (7)
- b) Briefly explain the process of lactate fermentation in bacteria. (7)

