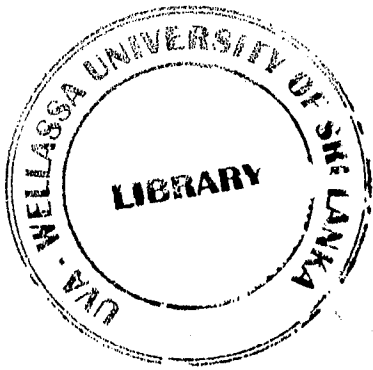


Part C

1. Calculate the number of cells of *Escherichia coli* present in a water sample in a bottle after incubating it for 8 hours. Initially there was 200 cells. And the generation time is 20 minutes. (15 marks)
2. Discuss the ecological and commercial importance of Algae. (15 marks)
3. Assume that you are a scientist working for an industry. You want to control the growth of microorganisms in a new product that you are making. Discuss the methods that you could use to control the microbial growth in the particular product. (15 marks)



04

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