BSSI Assignment 3: Probability 10/18/5012 Parti: Written Problems: 1. Probability that no two adjacent parakeets are the Clame color:-Obol:- Given 8 parakeets, four green and four blue  $=) \frac{2 \times 4! \times 4!}{8!} \Rightarrow \frac{2 \times 4 \times 3 \times 2 \times 1}{8 \times 4 \times 6 \times 5} \Rightarrow \frac{1}{35}$ 2. a) Probability that a given C.9.U. will have 8 functioning compute cores:
C.P.U will have no defect which is One Picking one which is not defective: - 0.7.
We want all 8 are not defective = (0.7)8

= 0.05764