TUTOR: Salma Alsuwailem Quiz1-September 421 Name: ID: X You are given: Ans: $\mu_x = \begin{cases} 0.06 & 30 \le x \le 40 \\ 0.03 & 40 \le x \le 60 \end{cases}$ 5/16 930 = 5 P30 16 35 5P30 = e 30 0.06 45 = e-0.06(6) Calculate 5/16q30. **A** 0.38 **B** 0.35 16 P35 = 6 P35 17 40 = e - 35 - 06 ds e - 50 - 03 ds C 0.41 **D** 0.43

X Which of the following can serve as survival functions for $x \ge 0$? $X \mid S_0(x) = \exp(x-0.7(2^{x}-1))$ Ans: - there are 3 prob that 5 (t) must $X \parallel S_0(x) = 4/(x+10)$ () sx(0)=1 $X III. S_0(x) = \exp(-(3+x))$ A I and II only Sx(t) is a non-inc function

F F I I S 1 () = 1

DI, II and III + inc Punx * 5,6) £1

B I and III only

C II and III only

E The correct answer is not among the other choices.