Roll No: 20221755120009 Pout B Diven in toonation. A=0.2, 1=5 Formula P(x=x) =) A = Ax for x = 20 C=2.71828 = 0.2 = 0.2×5 = 0.22 0.2× 0.3678 = 0.0734

9 hiven information
$$h = 10$$

1) Broadly 5 call in one hourd
 $P(x=5) = e^{10} \frac{\lambda^{1}}{\lambda^{1}}$
 $P(x=5) = e^{10} \frac{\lambda^{1}}{\lambda^{1}}$

$$P(x \le 3) = P(0) + P(1) + P(3) + P(3)$$

$$= e^{10} + e^{10} \cdot 10^{1} + e^{10} \cdot 10^{2} + e^{10} \cdot 10^{3}$$

$$= (e^{10}) + (e^{10} \times 10) + (e^{10} \times 50) + e^{10} \times 166$$

$$= A. 54e^{10} + 0.00046 + 0.0023 + 0.00 + 6$$

$$= 0.0103954$$

$$i) $P(x = 15) = e^{20} \times 15$$$