Name:

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211-6260

Sec:

BDS-4A

Adv - State

Q1) 
$$P(D/A) = 0.005$$
  $P(A) = 0.5$ 

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$$P(A/B) = \frac{P(A \cap B)}{P(B)}$$

(i) 
$$P(C/D) = \frac{P(D/C)P(C)}{P(D)} = \frac{6.004}{0.0066} = \boxed{0.60}$$

( 334 .......

Q2)

$$f(n) = \lambda e^{-2x}$$

$$P(\chi > 10)$$

$$= 1e^{-\frac{1}{4}}$$

$$= (4)9$$

$$= (4)9$$

$$= (4)9$$

$$= e^{-10(1+10+\frac{10^2}{2!}+2...+\frac{166}{6!})}$$

uilide le nie!

4618. VAA

os ca alc

AH 2019

(8-11 A) 9 (8VA) 9

Q3)

var 62 of R.V = 
$$\frac{4}{9}$$
 = 600.00.

$$\frac{98 + 3 - 0}{9 - 10} = -1.5$$

24 24)

$$2 = \frac{60.\times576}{144} = 6.1667$$

Q5)

$$P(u) = \frac{1}{2}$$
  $E(x) = 50$   $var = 2.5$ 

$$x = N(50, 5^2)$$
 $y = N(50, 5^2)$ 
 $y = N(50, 5^2)$ 

$$(26)$$
  $u = 8$   $6 = 2$ 

$$N = 100$$

$$= (3 \times 100) 2^{2} \times 100)$$

$$(300) 400)$$

$$\frac{1000 - (n)(x)}{\sqrt{1000}} = -1.2$$

12-62. asin'

1000.8n = -1.2

8N-2.56JN = 1000

N=130

8 (130). 2.56 Jizo = 1040-256(11.40) = 1010.82

10.10-82 = 1000

on = 130 is the closest