course code 6-mcA 25

Subject 6- Probability and statistics

Date 6- 07/05/2018 Time 6- 2 pm to 5 pm

class 6- FYMCA

semester 6- II

$$(2.2)$$
 a) Theory, $PCA) = \frac{23}{45} = \frac{3.11}{0.5111}$
or

 $7 = 20.2$, $67 = 4.49$, mode = 21.56
 $RPS = -0.3031$

$$\chi^2 = 1$$
, Hypothesis is Accepted.

b)
$$97 = 13.875$$
, median = 18.5, mode does not exist.

94839)
$$X = 1$$
 and $Y = 2$, $x = -0.86$
 $byn = -\frac{1}{2}$, $bny = -\frac{3}{2}$, $6y = 4$

$$f_n(n) = e^{nt}$$
, $f_y(y) = e^{yt}$, x and y are independent

Que 3) b) correct mean = 59.08 correct SD = 20.09

Que 4) 9) Theory

or

P[62X28] = 0.1667 4niform = 0.1359 6xponential = 0.0888

b) K= 10, minimum value of c= 4

Que 5) a) itz = 1.154, Boys Performed better man girls.

b) i) E(X)=2, V(X)=1

ff) P(CA) = 0.41, P(CC) = 0.3529, P(D) = 0.2352