Name: Aditya Bakash Swein

PME

Regdo No: 2141019419

Branch; CSIT Sec- E

ASSIGNMENT - I

- Q1. The residents of Vegopia spend all of their income on cauliflower, brocolli, and carrots. In 2016, they spend a total of \$200 for 100 heads of cauliflower; \$75 for 50 bunches of brocolli and \$50 for 500 carrots. In 2017, they spend a total of \$225 for 75 heads of cauliflower, \$20 for 80 bunches of bracoli, 8 \$100 for 500 carrots.
- (a) Calculate the price of one unit of each regetable in each year.
- (b) Using 2016 as the year, cal. the CPI for each year.
- (c) What is inflation rate in 2017?

Ans	(a)
0		-

Year.	Cauliflower.	Broccolli Clunitation	(I any PHEG)
2016	\$2	\$ 1.50	\$0.10
2017	\$3	\$1.50	\$0.20

Ahs(b) For year 2016, as bone year,

CPI, = 100x Cussent year baice
base year baice

* DOW Y

cost of basket -

2016 => 200 + 75 + 50 = \$ 325

2017 => 100x3 + S0x1.50 + S00x0.20 = \$ 495

CPI for 2016,

Ans (c)

in Gladion sale in 2017,

- Q2. Which of the problems in the construction of the Collowing Situations? Explain.
 - (a) The invention of cell phones.
 - (b) Increased PC burchases in sesponse to a decline in their poice.
 - (c) Creater use of Juel-efficient cans after gasoline price increases.
- Ans (a) considering current situation problem is introduction of new goods, which increases variety to choose from. Since CPI, is not revised often, there new goods 8 services are left out of the bastest to be include. Thus, CPI overstates increases in cost of living.

Auschl Here problem 15 CPI's substitution bias, Since. It uses fixed basket of goods it misses the Substitution. As It is not able to qui adjust & provide higher weight to PC even though Consumer Should more of them.

Bus @1

Boblem is S.CPI's substitution bias, Even though people are shifting towards mose fuel efficient can, the CPI will not be able to Show the higher selicance on Gupl efficient cars as it is not sensed often