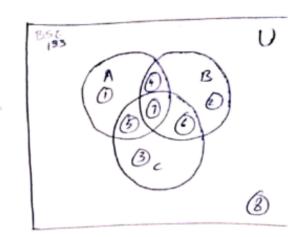
11875-134

Reg # FA21-BSE-133 Name: AOUN-HAIDER Course Title: Discrete Structures Section: A Assignment: 01 Submitted to: Mahwish - Wagas Date: 15 -014-2022 dro: - 01 A = Increment in 1st month B = Increment in 2nd month Given Duta: C= Increment in sid month U=150 D/A1= 65 Ven Diagram: (1) B1 = 50 3)C1 = 45 9/A1B/= 30 SAAC = 25 6) Bncl = 24 DANBACK 11 \*Exact increment in ( 5 & 6) @ |ANB | = 30 - |ANBAC| = 30-11 = = 19 (F) |ANC| = 25 - |ANBAC| = 25 - 11 = 14 (1) |BAC| = 24 - |AABAC| = 24-11=13

```
a) Only received increment in 1st month
   1A1 = 65 - 4 - 5 - 0
      = 65-19-14-11
 //A/ => 21
b) Only received increment in 2nd & 3rd
             a BACI = ?
    IBACI = 24- AABACI
          = 24-11
  | | BAC| = 13
() Increment in at least I month
1AUBUCI = 1AI+1BI +(CI - AABI- JAACI - (BAC)
             + JANBAC 1
     = 65+50+45-30-25-24+11
|AUBIL = 92
d) Increment in exectly I month
      = IAI + IBI + ICI (in exectly one)
       21+7+7
                                 18 1 = 50-30-24-11
       = 21+14
                                101=45-13-14-11
```

U= 200

Let A = pakistani, B = British
nationality 1 C= American



a) At least one nationality:

1AUBUCI= 1AI+1BI+(C/- 1ANB)- ANCI-1BAC/ + IAABACI

$$|B| = 72 - 24 - 19 - 11 = > 18$$
 $|C| = 80 - 9 - 24 - 11 = > 36$ 

Exact nationality = 70

11038-133

2) Not having notionality:

= U-133 or U- AUBUC1

= 200-133

= 67

(- BSE-133)