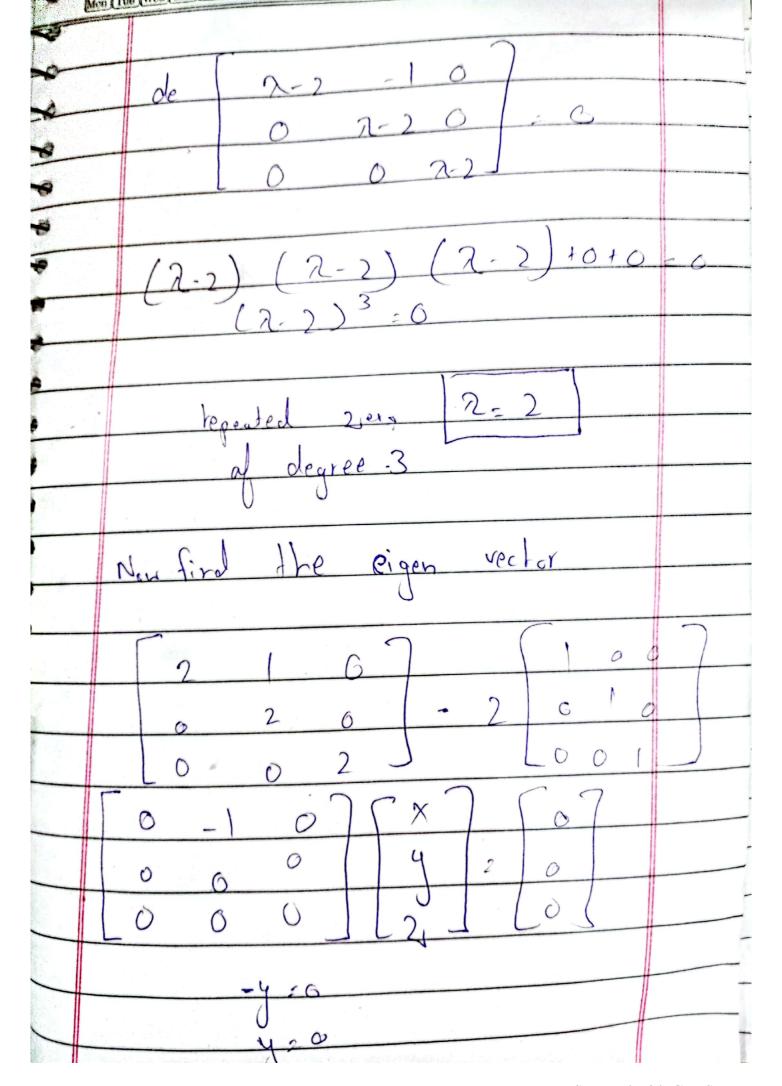
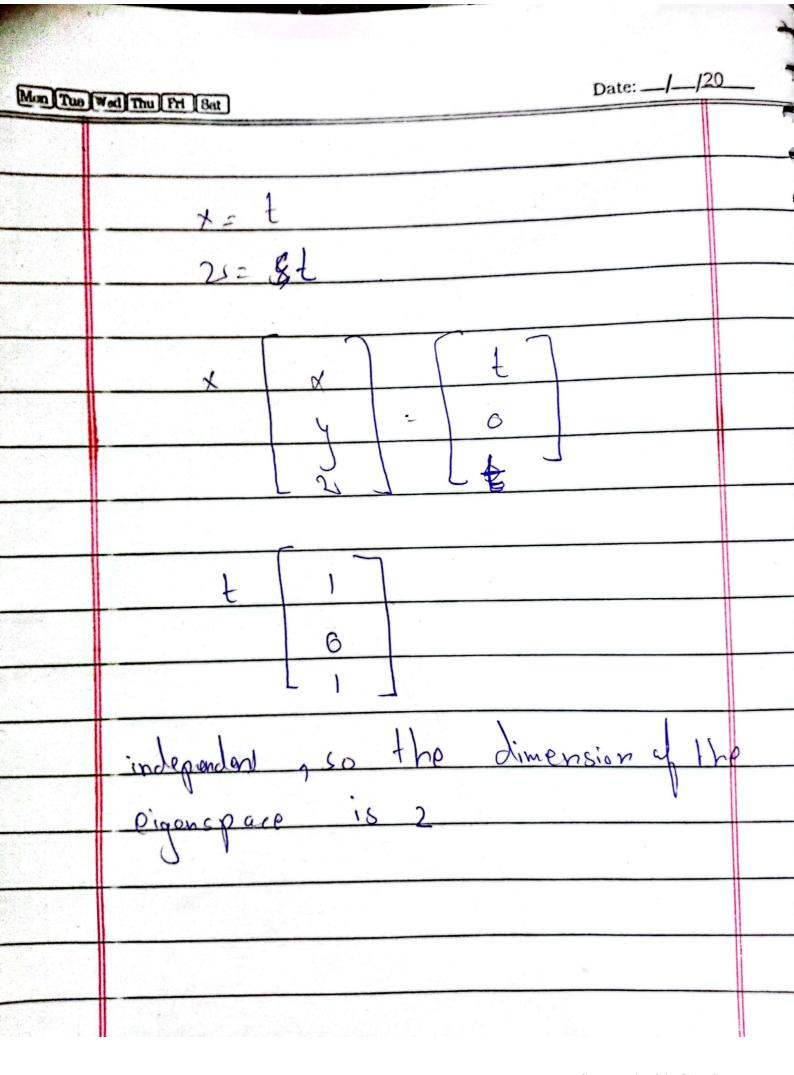
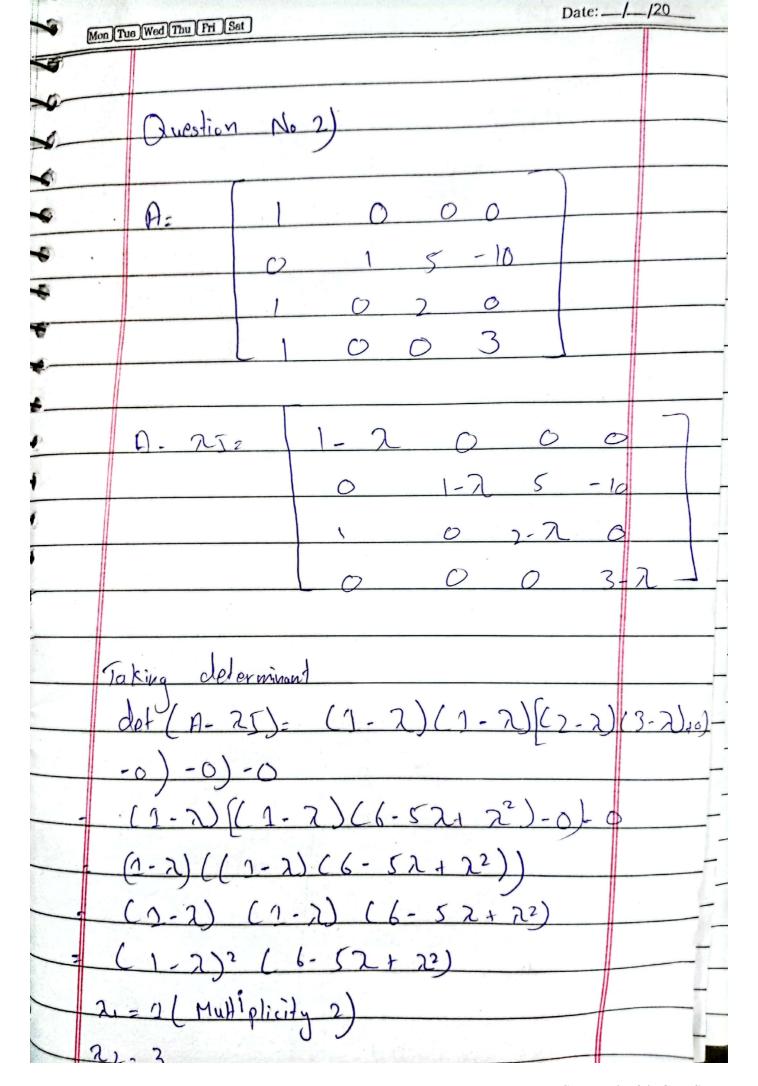
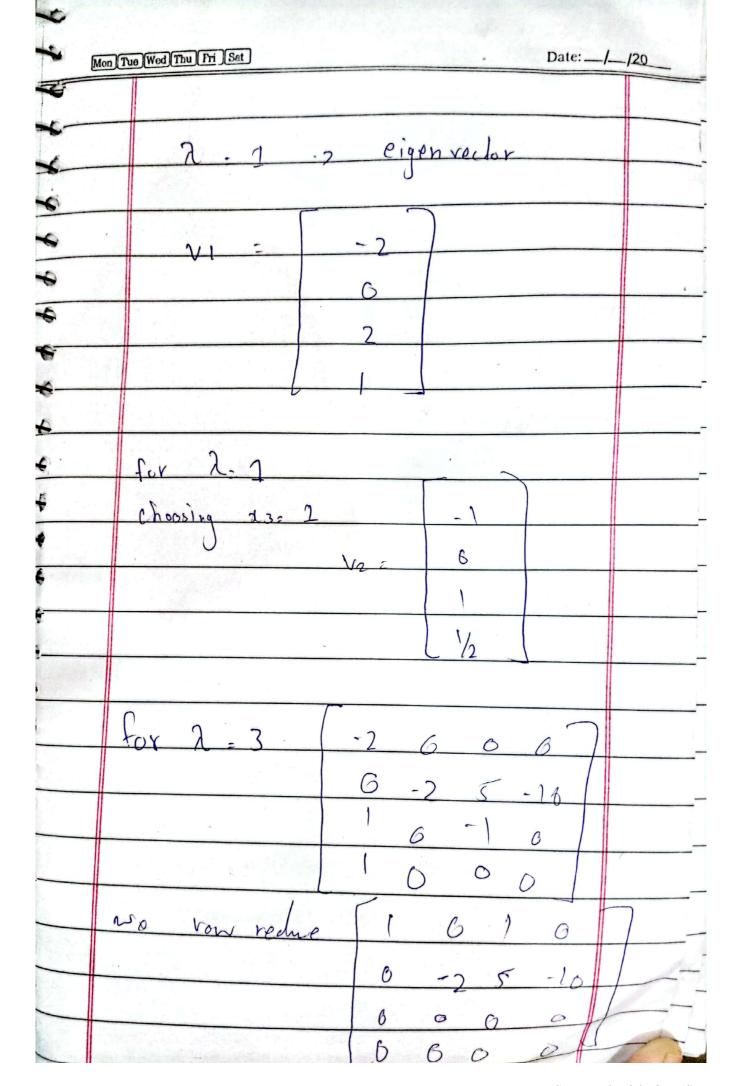
| Mon Tue Wed Thu Fri & | Date:/_                          | _/20 |
|-----------------------|----------------------------------|------|
|                       | Assignment No4                   | -    |
| Nome:                 | Affon Ahmad                      | 6-   |
| Enroll:               |                                  | -    |
| OSCS                  |                                  | -    |
|                       |                                  | •    |
| Question              | n Not                            | -    |
|                       | γ γ                              |      |
| An                    | oigenvalues A is a scalor A,     |      |
|                       | def ()[-A]=0                     | •    |
| 2) The e              | eigenvector A corresponding to 2 | •    |
| hon Tie               | ro solution (2)-A) x=0           |      |
|                       | [2   6]                          |      |
| <u></u>               | 0 2 6 = 0                        |      |
|                       | 0 0 2                            | •    |
|                       |                                  | -    |
| cled                  | [210]10                          | C    |
|                       | 6 2 0 - 2 6 1                    | 2    |
|                       | 6 0 2 1001                       | 1    |
|                       | [200] 21                         | 07 ~ |
| det                   | 6 2 6 6 7                        | 0 20 |
|                       | 007 [00                          | 51   |

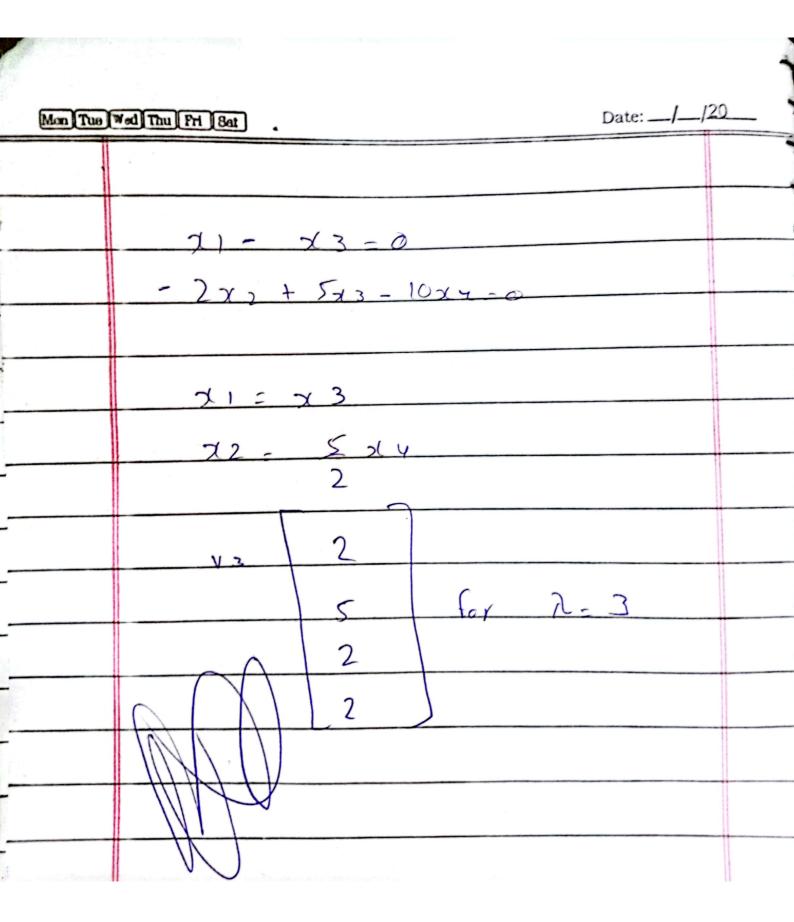






|         |                                  | 1        |
|---------|----------------------------------|----------|
| Mon Tue | Date:/_                          | /20      |
|         |                                  |          |
|         | ( was a second                   |          |
|         | Where is the eigenverto correspo |          |
|         | to eigenvalue 2                  | 0        |
| -       | for 2 -1, the matrix A-2I        | . 0      |
|         |                                  | <u>~</u> |
|         | 0 0 6 0                          | 0        |
|         | 0 6 5 -10                        |          |
|         | 1 6 1 6                          |          |
|         | 1002                             | 9        |
|         | Your roduce this matrix          | 4        |
|         |                                  |          |
|         | 1 6 1 6                          |          |
|         | 6 0 5 -10                        | -        |
|         | 0 0 G C                          | 6        |
|         | 0 0 0                            | -        |
|         | 71 + 73 = 0                      | •        |
|         | Syz - 10x4 = 0   73 = 2          | 0        |
|         | ×1: -2                           |          |
|         | X1: - X3 X4= ) X3                |          |
|         | 2                                | ~        |
|         | 2                                | •        |
|         | Pyt x3 - 2/                      | -        |
|         |                                  |          |





| Mon (Tu | e Wed Thu Fri Sat Date:/_         | -/20_ |
|---------|-----------------------------------|-------|
|         |                                   |       |
|         | <b>a</b>                          |       |
| •       | Question No3)                     |       |
|         |                                   |       |
|         | A = 2 - 1                         |       |
|         |                                   |       |
|         | del (A- 55):                      |       |
|         |                                   | )     |
|         | 2-97-1                            |       |
|         | 2-2                               |       |
|         | $= (2-2)^2+1$                     |       |
|         | $=$ $\chi^2 - 4\chi_{+5}$         |       |
|         |                                   |       |
|         | 21=2+1                            |       |
|         |                                   |       |
|         | 22 = 2 - î                        |       |
|         |                                   |       |
| (A)     | - (2+i) 5) x -0 [-i-1] (x)        | 7.50] |
|         |                                   | (-/0) |
|         |                                   |       |
|         | $\chi_1$ ix                       |       |
|         |                                   |       |
| ત       | $\gamma = \gamma - i$             |       |
|         |                                   | -     |
|         | $(A - (2-i)^{\frac{1}{2}})_{x=0}$ | -     |

