|      | Sahil Kaundal MPI classmate 21BCS8197 ASSIGNMENT-2 Page  Page  Classmate  Page  Date 08/04/2022  |  |  |  |  |
|------|--|--|--|--|--|
|      | The \$255 operates in 2 modes. Answer the following wist \$255 modes.  Which of Lit of control word register is responsible for mode polection.  Role of DB and DG of CUR  Value of CUR for setting PC3  Value of D3, D2, D1 of to select PC4  Value of D3, D2, D1 to select PC2 |  |  |  |  |
|      |  |  |  |  |  |
|      |  |  |  |  |  |
| Ans. | Dy bit of control word register is responsible for mode selection.   |  |  |  |  |
| 2.   | Ds, D6 are used for mode selection for group A (Upper Port C and Port A).  |  |  |  |  |
|      | D5 D6 Mode 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |  |  |  |  |
| 3.   | Value of CWR fox setting PC3 is 07H  |  |  |  |  |
| 4.   | Value of D3=1  D2=0  D1=0 to select PC4  |  |  |  |  |
| 5.   | Value of D3 = 0, D2 = 1, D1 = 0 to select PC2  |  |  |  |  |
|      | Conned by Conner Co  |  |  |  |  |

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|-------|--|---------|---------|--------------|--|
| 02.   | Find the values of Cs, A1, A0 in 8255 for the following  |         |         |              |  |
|       | cases:   |         |         |              |  |
| 1.    | Port A selection   |         |         | Frank Line   |  |
| 2.    | Post B selection   | V S     | 17 27 1 |              |  |
|       | Port C selection   |         |         |              |  |
| 4.    | Control Register selection.  |         |         |              |  |
|       | THE STATE OF THE S | cs      | Ao A    | Address      |  |
| A-As. | Port A selection   | 0       | 0 0     | 804          |  |
|       | Port B solection   | 0       | 0 1     | 81 H<br>82 H |  |
|       | Post C seloción  | -0      | 10      | 83H          |  |
|       | Control Registro Selection   | 0       |         |              |  |
|       | No selection   | 1       | XX      | ×            |  |
|       |  |         |         |              |  |
|       |  | 1 × 1   |         |              |  |
|       |  | Table 1 |         |              |  |
|       |  |         |         |              |  |