

```

MOVWF    H'13'
MOVLW    H'3F'    ;load WREG with value H'3F'
MOVWF    H'14'
MOVLW    H'63'    ;load WREG with value H'63'
MOVWF    H'15'
MOVLW    H'12'    ;load WREG with value H'12'
MOVWF    H'16'

```

3. State the contents of RAM locations 0x12 and WREG after the following program:

```

MOVLW    0        ; move 0 WREG to clear it (WREG=0)
MOVWF    0x12     ; move WREG to location 0x12 to clear it
MOVLW    0x22     ; load WREG with value 0x22
ADDWF    0x12, F  ; add WREG to location 0x12, location 0x12=sum
ADDWF    0x12, F  ; add WREG to location 0x12, location 0x12=sum
ADDWF    0x12, F  ; add WREG to location 0x12, location 0x12=sum
ADDWF    0x12, F  ; add WREG to location 0x12, location 0x12=sum

```

4. State the contents of RAM locations 0x12 and WREG after the following program:

```

MOVLW    0        ; move 0 WREG to clear it (WREG=0)
MOVWF    0x12     ; move WREG to location 0x12 to clear it
MOVLW    0x22     ; load WREG with value 0x22
ADDWF    0x12, W  ; add WREG to location 0x12, WREG=sum
ADDWF    0x12, W  ; add WREG to location 0x12, WREG=sum
ADDWF    0x12, W  ; add WREG to location 0x12, WREG=sum
ADDWF    0x12, W  ; add WREG to location 0x12, WREG=sum

```

5. Write a program to get data from the SFRs of Port B and send it to the SFRs of PORT C continuously.
6. Write a program to get data from the SFRs of Port B. Add the value 5 to it and send it to the SFRs of Port C

Instruction:

1. Answer all questions.
2. Submission due date 23 Feb August (Tuesday) 5.00pm