11.

a) Read a pair of input co-ordinates in BCD and move the cursor to the specified location on the

screen.

```
.model small

.stack

.data

 m1 db 10,13,"Enter the row$"

 m2 db 10,13,"Enter the col$"

 row db 00h

 col db 00h

 x db 00h

.code

CONVERT PROC

 UP:

 CMP AL,10H

 JB DOWN

 SUB AL,10H

 ADD x,0AH

 JMP UP

 DOWN:

 ADD x,AL

 mov al,x

 mov x,00h

 RET

CONVERT ENDP


END
```

b) Generate a Fully Rectified Sine waveform using the DAC interface. (The output of the DAC

is to be displayed on the CRO).

```
.model small

.stack

.data

.code

up1 : lea si, array

up : mov dx,PA

delay PROC

up2 : dec bl

RET

Delay ENDP

end
```