

## **Ahsanullah University of Science & Technology**

## **Department of Computer Science & Engineering**

Course No : CSE3108

Course Title : Microprocessors Sessional

Assignment No : 02

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Section : A

## Y(ON)-G2(ON)-G2(OFF)-R1+R2(ON)

SEGMENT 'DATH' DSE CZ ENDS SSEGMENT STACK, STACK, DW 100 h DUP (?) SSEG ENDS CSE CZ SEGMENT , CODE, START PROC FAR ; Store return address to 05: PUSH DS MOV AX, O PUSH AX , set segment registers: MON AX, DSECR MOV DS, AX

MOV ES, AX

MOV DX, 2070 h MOV BX, 2070 h

MAINLOOP :

STEP\_1; ,Y ON

MOV AL , 0010 b

OUT DX, AL

MOV ex, 0200H

10: LOOP 20

STEP\_2: , GON

MOV AL, 0110 6

OUT DX, AL

MOV CX, 0200 H

L1: LOOP L1

STEP 3: GOFF

MOV AL 0010 b

OUT DX, AL

MOV CX, 02004

L2: LOOP 12

STEP- 4

; P1+ P2 ON

MOV AL, 1011 b

OUT DX , AL

MON CX, 0200 H

L3: LOOP L3

; return to 05;

PET

START

ENDP

ENDS

END

START