



# **Ahsanullah University of Science & Technology**

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

**CourseNo** : CSE3108  
**CourseTitle** : Microprocessors Sessional  
**AssignmentNo** : 02

**DateofSubmission** : 07/04/2021

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**Section** : A

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Question:  $R_1(ON) - R_2 + Y(ON) - Y(OFF) - R_1(OFF)$

Answer:

MOV DX, 2070H

MOV AL, 00000001B

OUT DX, AL

MOV AL, 00000111B

OUT DX, AL

MOV AL, 00000101B

OUT DX, AL

MOV AL, 00000100B

OUT DX, AL

				$R_2$	$R_2$	$Y$	$R_1$
0	0	0	0	0	0	0	1
0	0	0	0	0	1	1	1
0	0	0	0	0	1	0	1
0	0	0	0	0	1	0	0