

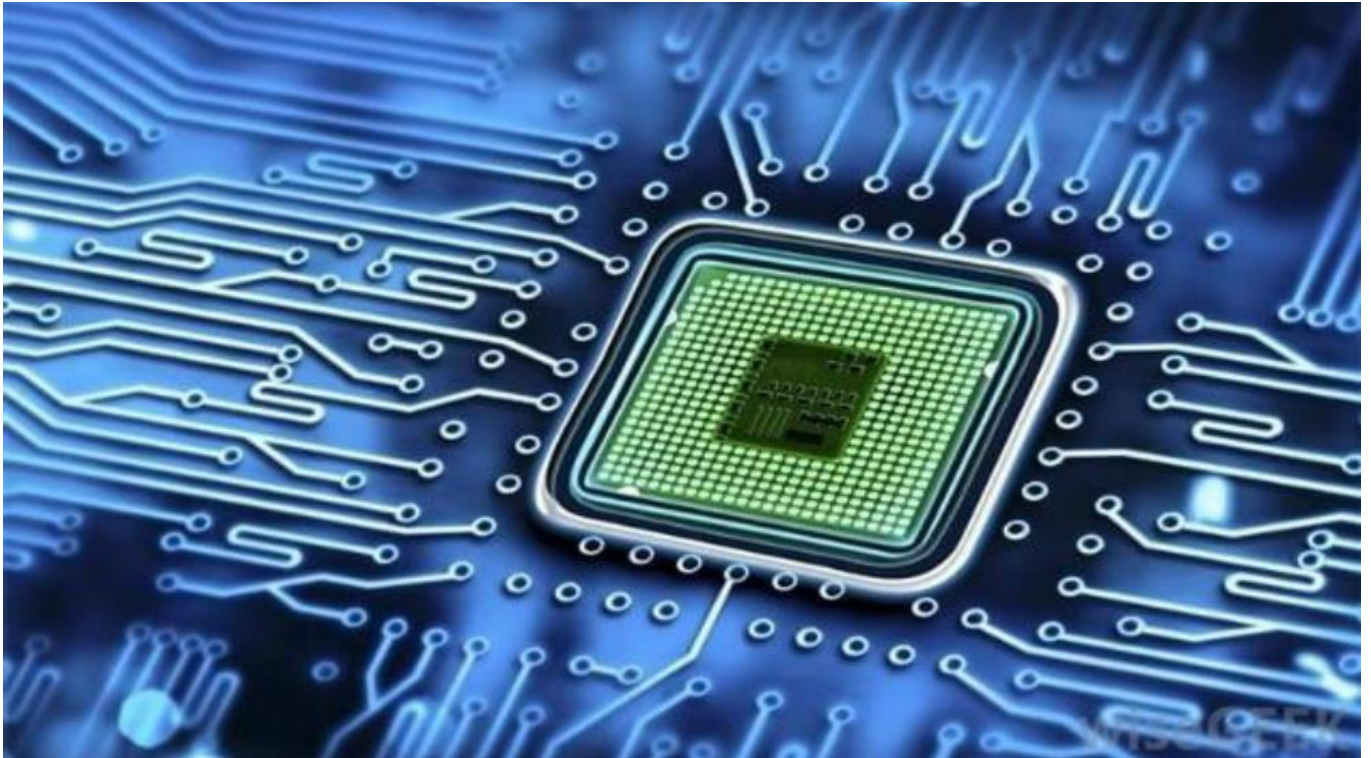


جامعة الفرات الاوسط التقنية

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الكلية التقنية الهندسية /نجف  
هندسة تقنيات الليزر والالكترونيات البصرية

## مختبر معالج دقيق



**Exp. No: 3**

**Exp. Name:** Data Transfer Group Instructions

**Experiment No.:- 3**

**Experiment Title:-** Data Transfer Group Instructions.

**Aim:-** To understand the operation of data transfer instructions.

**Theory:-** These instructions used to transfer contents of source register to destination

where source and destination is one of 8-bit registers (A, B, C, D, E, H and

L) or memory location which addressed by (HL). Sometimes, register pairs

can be formed from two 8-bit registers and loaded with 16-bit number such

as (BC, DE and HL).

**Procedures:-**

- 1- Write A.L.P. to transfer the contents of register B which equal to (7F)H to memory location which addressed by (3300)H.
- 2- Re-write your program in machine language.
- 3- Load the program codes in your kit with starting address 3000.
- 4- Execute the program using s command and record (B) & (M<sub>3300</sub>).

**Flowchart:-****Discussion:-**

- 1- Write A.L.P. to transfer (M<sub>3400</sub>) which equal to (F6)H to M<sub>3600</sub>