## C:\Users\xia\Desktop\Inu Official logo.jpg IQRA NATIONAL UNIVERSITY

**Program: B.tech (Electrical)**

**Summer Semester Examination 2020**

**Mid Examination**

**Instructor:** Engr. Perniya Akram **Module:** 1st

**Course title:** Introduction to Computer Applications

**Total Marks:** 30

**QUESTION # 01: (10)**

1. Convert the following numbers to the base mentioned:
2. (11101)2 = (?)10
3. (45)10 = (?)2
4. (B2)16= (?)2
5. (10110111)2= (?)8
6. (7423)8= (?)2

**QUESTION # 02: (05+03+02)**

1. What are the building blocks of a computer? Explain with the help of a block diagram.
2. What are Input and Output devices .Explain with the help of one example for each.
3. What are types of data processing? **(Only Name those types)**

**QUESTION # 03: (08+02)**

1. Differentiate between the following
2. Parallel and Series Port
3. Volatile and Non-Volatile Memory
4. First Generation of Computer and Second Generation Of Computer
5. BCD and ASCII Representation
6. Represent +156 and -156 in a 16-bit word format.