**Introduction to Computer Science**

**22.1 Faculty of Computing**

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**In Class Test**

**11th July 2022**

**Answer all questions.**

**Instruction for Physical Students**

* **Write down answers in a piece of paper.**
* **Write your Name, Index Number, Batch and Group on top of the paper.**
* **Take a photo of it and upload to DLE given link. (Compulsory)**
* **Time Duration 40 Mins.**

**Instructions for Online Students**

* **Download the spot test from NLearn and write down answers in a word document/ or in a piece of paper.**
* **Upload the answers in PDF format/jpg (image) using the given link.**
* **Time Duration 40 Mins**

**Question 01 (10 Marks)**

Get the binary equivalent of following numbers.

1. 456
2. 7658
3. AB2916
4. 1100

**Question 02 (10 Marks)**

Directly convert following values to Binary equivalent

1. EFAB16
2. 67328

**Question 03 (10 Marks)**

Directly convert following values to it’s hex equivalent

1. 1110101011012
2. 110101111101012

**Question 04 (20 Marks)**

Calculate following values display the answers in **Hex number system**

1. ABC16 + 45F16
2. 10001011012 + 1101012
3. 110001012 - 111012
4. 10001012 + ABC16