**Introduction to Computer Science**

**23.2 Faculty of Computing**



**Tutorial Session 05**

**Answer all questions.**

01. Explain what is meant by Hexadecimal number system.

02. Briefly explain the usage of Hexadecimal number system in computing.

03. Convert the following decimal numbers to its’ hexadecimal equivalents.

a. 256

b. 921

c. 590

04. Convert the following hexadecimal numbers to its’ decimal equivalents.

a. FA816

b. 8F16

c. A016

D. 58916

05. Directly convert the following hexadecimal numbers to its’ binary equivalents.

a. F816

b. 1A16

c. 100316

d. F3A216

06. Directly convert the following binary numbers to its’ hexadecimal equivalents.

a. 110102

b. 10101011010012

C. 11110101002

07. Do the following hexadecimal addition.

a. A16 + 516

b. 9A16 + 4B16

c. A2316 + 1B116

d. ADD16 + DAD16