ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT) OPCANION (OIC) ORGANISATION OF ISLAMIC COOPERATION (OIC)

Department of Computer Science and Engineering (CSE)

MID SEMESTER EXAMINATION

WINTER SEMESTER, 2016-2017

DURATION: 1 Hour 30 Minutes

FULL MARKS: 75

CSE 4105: Computing for Engineers

Programmable calculators are not allowed. Do not write anything on the question paper.

There are 4 (four) questions. Answer any 3 (three) of them.

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	Figures in the right margin indicate marks.	7
1. (a)	Why do we study number systems of binary and hexadecimal? "A binary number can be subtracted from another binary number by using adder". Explain	8
c)	it by an example. Write the relationship with ROM on motherboard, BIOS, operating system (OS) and RAM in a computer system.	10
2 ~)	State the actions taken place after a key is pressed on a keyboard to store it in memory and	7
2. _(a)	then display on the monitor.	8
, b)	Briefly discuss ergonomics with relationship to monitor. There are different types of printers, state those. Briefly describe a laser printer.	2+8
3 a)	For handling data in computer, coding is necessary. Discuss Unicode.	7 8
c)	Answer the followings: i. State names of various processor manufacturers. What are the parameters for	1+3
	comparing processors? ii. Discuss serial port and parallel port.	6
4. a)	motherboard. Discuss flash memory.	3+4
b) c)	Briefly discuss defragmentation technique.	8 1+9