

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

Department of Computer Science and Engineering (CSE)

MID SEMESTER EXAMINATION

DURATION: 1 Hour 30 Minutes

WINTER SEMESTER, 2015-2016

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.

Figures in the right margin indicate marks.

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| a) To run a computer, you need to put the computer's main switch on. What happens after switching the computer on? | 5 |
| b) There are many parts of a computer system. Briefly describe those. In your opinion which part is most important? Justify your answer. | 10 |
| c) What do you understand by internet? Briefly describe Email and File Transfer Protocol (FTP). | 10 |
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| a) Explain how a keyboard works. | 5 |
| b) What do you understand by input ergonomics? Explain how you can avoid important injuries due to inputs. | 15 |
| c) Explain optical character recognition. | 5 |
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| a) How does eye strain happen and how can you avoid it? | 5 |
| b) Suppose you want to purchase a computer monitor. Explain various parameters those are to be considered for this purpose. | 10 |
| c) Compare a dot matrix printer with an inkjet printer. | 10 |
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| a) Explain machine cycle for computer based processing. | 5 |
| b) We all know that some computer is slower than other. Explain the factors affecting the speed of a computer. | 15 |
| c) Write a short note on cache memory. | 5 |