

Hawassa University Institute of Technology
Faculty of Informatics
Department of Computer Science
Introduction to Emerging Technology- Assignment I

Instruction:

- *Read chapter one of the course module to answer the following questions*
- *It is an individual assignment with a total weight of 15 points.*
- *Copying and cheating will result cancellation of the total mark.*

- 1) What are the root causes that bring *emerging technologies* and what impact do they have on Individuals, Society, and Environment? [2 points]
- 2) Discuss negative and positive impact of industrial revolution on individuals, society, and environment. [1.5 points]
- 3) Discuss briefly the fundamental transitions that happened during Industrial Revolution 1.0 and revolution 4.0. [1.5 points]
- 4) What are the major inventions during the industrial revolution? [1.5 points]
- 5) Mention and briefly describe the four basic types of device in digital electronics system. [2 points]
- 6) Describe about the following network enabling devices such as MODEM, Router & Switch. [1.5 points]
- 7) List and describe about at least two emerging technologies in 2021 G.C [2 points]
- 8) What is Human Computer Interaction (HCI)? Discuss the main goals of HCI. 2 points]
- 9) Discuss some of the future trends of Emerging Technologies. [1 point]

Due Date: 20/11/ 2013 ec.