

## INFORMATION COMMUNICATION TECHNOLOGY

### G.C.E. Advanced Level

Revision – Tutorial 29

Duration: 60 minutes

Answer all questions

A.

- 1) What do you understand by **Man-machine Coexistence**?
- 2) Explain Artificial intelligence?
- 3) What is **Ubiquitous** computing? Explain with technologies, future visions and applications of Ubiquitous computing.
- 4) What is a **Kansei** system? Explain the concept behind this and applications.

B.

- 1) Who is an intruder?
- 2) Mention the difference between Active Intruder and Passive Intruder?
- 3) What are the security services that we expecting from internetworking, information communicating and Internet? Explain each term.
- 4) What are the security attacks and explain each that describing what kind of contribution that intruder is given to the situation?
- 5) Explain Encryption and Decryption using a classical conventional technique.
- 6) What are the modern Encryption techniques?
- 7) What is public key encryption?
- 8) Explain the use of Digital Signatures?
- 9) What is Password authentication? Explain briefly.
- 10) What is Antivirus software and briefly explain the responsibility of antivirus software for a personal computer.
- 11) Explain following Network and information security methods? (You may use a picture to explain each)
- 12) Firewall
- 13) Proxy server