

Bachelor Level / first-semester / Science
Computer Science and Information Technology(CSC109)
(Introduction to Information Technology) Time: 3 hours

Full marks: 60
Pass marks: 24

Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicate full marks.

Long Questions

Attempt any two questions: (2 × 10=20)

- 1. Explain the major components and the characteristics of computers.**
- 2. What is computer software? Explain the system software and application software with example.**
- 3. Explain the functions of an operating system. How does operating system work? Explain.**

Short Questions:

Attempt any eight questions: (8 × 5 = 40)

- 4. Mention the different categories of digital computers.**
- 5. Explain the functions of the memory.**
- 6. How EEPROM is different from EPROM and PROM?**
- 7. Differentiate between mouse and a trackball.**
- 8. Differentiate between impact and non-impact printer.**
- 9. What are the major difference between a random access device and a sequential access device?**
- 10. What is real time operating system?**
- 11. Mention the different types of network architecture.**
- 12. Define the modem. How does it work?**
- 13. Define Internet. How does the Internet work?**