

Roll No.

Exam Code : J-19

Subject Code—0401

M.C.A. (First Year) EXAMINATION

(Batch 2009 Onwards)

(5 Years Integrated Course)

COMPUTER FUNDAMENTALS

MCA-101

Time : 3 Hours

Maximum Marks : 70

Section A

Note : Attempt any *Seven* questions. **7×5=35**

1. Explain the characteristics of a Computer.
2. Write about binary addition and subtraction with examples.
3. Explain different types of number system representation in computer.

4. Describe different services of Internet.
5. Define operating system.
6. Explain time sharing system.
7. Define Local Area Network.
8. Why we need programming language ?
9. Describe world wide web.
10. Write short note on Unix Operating system.

Section B

Note : Attempt all the questions.

11. Explain the different components of a computer system. Also give detailed specification of computer system. 12

Or

Explain in detail memory and storage devices.

12. Define Computer Network. Also discuss different network topologies. 12

Or

Discuss in detail the generations of computers.

13. Differentiate batch operating system, multi-programming and real time system.

Or

Write short notes on the following :

- (i) Assembly language
- (ii) High level language. 11