

2012
B.A./B.Sc. (General) First Semester
Computer Science
CS01: Computer Fundamentals

Time allowed: 3 Hours

Max. Marks: 30

NOTE: Attempt five questions in all, including Question No. 9 (Section-E) which is compulsory and selecting one question each from Section A-D.

x-x-x

Section – A

1: What do you mean by a generation of computer? Explain the various generations of computer with the advantages and disadvantages of each. (6)

2: What is the purpose of I/O devices? Explain any two commonly used output devices. (6)

Section-B

3: Mention different secondary storage devices. Explain in detail any three of them. (6)

4: What do you understand by 'volatile memory'? Give any example of volatile memory explaining it briefly. (6)

Section-C

5: Define translator and its need. Also explain various types of translators. (6)

6: Define the term 'application software'. Describe the following application software:

(i) Word processing

(ii) Spread sheet (6)

Section – D

7: Define operating system and its various components. Explain various functions of operating system. (6)

8: Explain the following: (6)

(i) Single-user and multi-user system

(ii) LAN and WAN

(iii) Services provided by Internet

Section-E

9: (6*1=6)

(i) Define hardware and firmware.

(ii) List any four characteristics of a computer.

(iii) Define computer network.

(iv) What is a trackball?

(v) List any two differences between DOS and Windows operating system.

(vi) Explain first generation language with two advantages and two disadvantages.

x-x-x