

S.D.E.

**B.C.A. (2004 COURSE SEM- VI : WINTER - 2017
SUBJECT: MICROCOMPUTER & MAINTENANCE**

Day: **Wednesday**
Date: **13/12/2017**

W-2017-4177

Time: **02.00 PM TO 05.00 PM**
Max Marks: **80**

N.B:

- 1) Attempt any **FIVE** questions from Section-I.
- 2) Attempt any **TWO** questions from Section-II.
- 3) Figures to the right indicate **FULL** marks.

Answer to both the **SECTION** should be written in **SEPARATE** answer books.

SECTION-I

- Q.1** Explain the block diagram of a digital computer. (10)
- Q.2** Explain the following (10)
- a) Refresh logic
 - b) ROM decode logic
- Q.3** Explain working of I/O Controller in detail. (10)
- Q.4** Explain the working principle of CRT controller. (10)
- Q.5** Explain various network topologies in detail. (10)
- Q.6** Explain set up of UNIX Network operating system. (10)
- Q.7** Write short notes on **ANY TWO** of the following: (10)
- a) Speaker logic
 - b) Dynamic memory
 - c) Device interface

SECTION-II

- Q.8** List out different antivirus packages. Write a step by step procedure for installation of any antivirus package. (15)
- Q.9** Explain step by step installation procedure of WINDOWS XP operating system. (15)
- Q.10** What is meant by computer fault? Explain various hardware and software faults with examples. (15)

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