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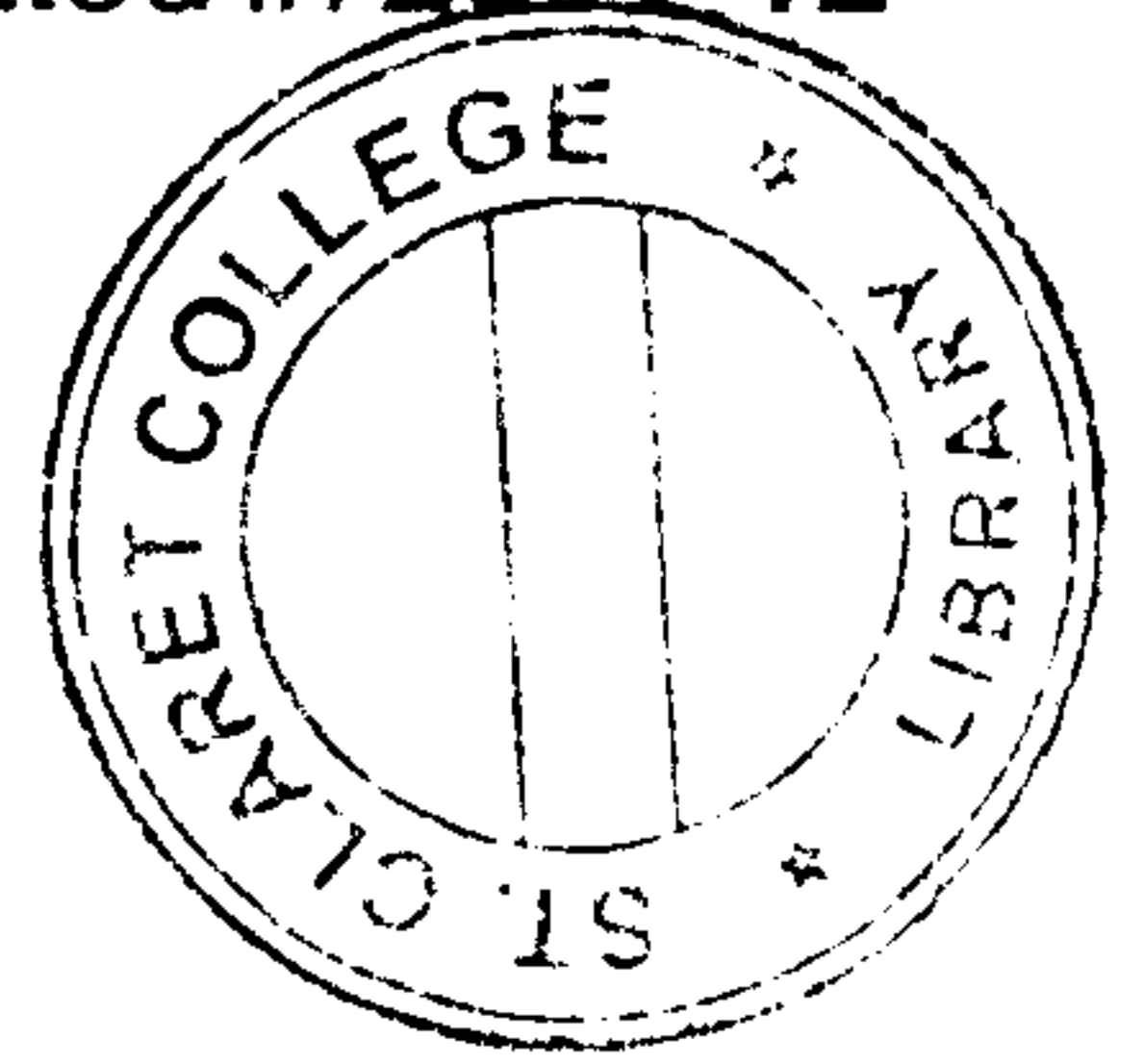
I Semester B.C.A. Degree Examination, November/December 2014
(Y2K8 Scheme) (F+R)
COMPUTER SCIENCE

BCA - 103 : Computer Fundamentals
(100 – 2011-12 & Onwards) (90 – Prior to 2011-12)

Time : 3 Hours

Max. Marks : 100/90

- Instructions :** 1) Answer **all** questions.
2) Section **D** is applicable to students who have admitted in **2011-12** and onwards only.
3) **100** marks for students **2011-12** and onwards.
4) **90** marks for repeater students prior to **2011-12**.



(10×2=20)

SECTION – A

- Note :** i) Answer **any ten** questions.
ii) **Each** question carries **two** marks.

1. What are mainframe computers ?
2. Explain modem.
3. Expand OMR and MICR.
4. Define computer virus. Give any two examples for antivirus software.
5. Define operating system. Mention any two examples.
6. What is a flowchart ? Draw the various symbols used in flowchart.
7. Mention any two advantages of word processor.
8. What do you mean by a spreadsheet ?
9. What is the purpose of PowerPoint presentation ?
10. What is DBMS ? Give an example.
11. Distinguish Internet and Intranet.
12. Define search engine. Give an example.



SECTION – B

Note : i) Answer **any five** questions.
 ii) **Each** question carries **five** marks.

(5×5=25)

- 13. Briefly explain 2nd generation computers.
- 14. Explain VDU as an output device.
- 15. Describe assembly level language.
- 16. Explain any 5 DOS internal commands with examples.
- 17. Write an algorithm to check whether a given number is even or odd.
- 18. Illustrate the formatting features of MS Word.
- 19. Write short note on WWW.
- 20. Illustrate LAN, MAN and WAN.

SECTION – C

Note : i) Answer **any three** questions.
 ii) **Each** question carries **fifteen** marks.

(3×15=45)

- 21. a) Illustrate the characteristics of computers. 7
- b) Explain the block diagram of a computer. 8
- 22. a) Briefly explain different items on the desktop of windows. 8
- b) Write a BASIC program to find the sum and average of four numbers. 7
- 23. a) Describe primary memory in detail. 7
- b) $96_{(10)} = ?_{(2)} = ?_{(8)} = ?_{(16)}$. 2
- c) Add : 1111
 1101

- 3
- d) Subtract : 11011
 1011

- 3



24. a) Briefly explain the layout of excel screen with the help of a neat diagram. 8
b) Explain the different views of a slide. 7
25. Write short notes on : (5+5+5)
a) Database
b) Web browser
c) URL.

SECTION – D

Note : i) Answer **any one** questions.

ii) **Each** question carries **ten** marks.

(1×10=10)

26. Explain the applications of computers in various fields.
27. What is network topology ? Illustrate different types of network topologies.
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