

I Semester B.C.A. Degree Examination, October/November 2012  
(Y2K8 Scheme) (F+R)  
COMPUTER SCIENCE  
BCA – 103 : Computer Fundamentals

Time : 3 Hours

Max. Marks : 90/100

**Instruction :** 100 marks for students admitted after 2011-12.  
90 marks for Repeater students prior to 2011-12.

SECTION – A

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

(10×2=20)

1. Expand EDVAC.
2. Write any two characteristics of computer.
3. What is a modem ?
4. Compare RAM and ROM.
5. Define MSB and LSB.
6. What is the expansion of ASCII ?
7. What is an assembler ?
8. What are the contents of My Computer icon of MS-Windows ?
9. Write any two functions of operating system.
10. Expand URL.
11. What is a network topology ?
12. Define Intranet.

SECTION – B

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

(5×5=25)

13. Differentiate between primary and secondary memory.
14. Write a note on super computers.

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15. Explain VDU as an output device.
16. Write a brief note on computer security.
17. Explain Application Software.
18. Write any five differences between CUI and GUI.
19. Explain any five merits and DBMS.
20. What is LAN ? Write its advantages and disadvantages.

### SECTION – C

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

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

**(3×15=45)**

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| 21. a) Explain the applications of computers in various fields.        | 10 |
| b) Draw a flowchart to find the largest of three numbers.              | 5  |
| 22. a) With a neat diagram explain the functional units of a computer. | 7  |
| b) i) Explain any two generations of computer.                         | 4  |
| ii) Explain classification of computer.                                | 4  |
| 23. a) Write a note on computer virus.                                 | 7  |
| b) Explain Compilers and Interpreters.                                 | 8  |
| 24. a) Explain the formatting features of MS-Word.                     | 7  |
| b) Explain any four Internal DOS commands with an example.             | 8  |
| 25. a) Explain WWW, SMTP, FTP and Telnet.                              | 8  |
| b) What is E-Mail ? Mention its advantages and disadvantages.          | 7  |

### SECTION – D

Answer **any one** question. **Each** question carries **ten** marks.

**(1×10=10)**

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|---|----|
| 26. a) Define Machine language, Assembly language and High level language.        | 6  |
| b) Convert $(110101101)_2 = (?)_8 = (?)_{16}$ .                                   | 4  |
| 27. Briefly explain any five Built-in functions used in spreadsheet with example. | 10 |