



SN – 470

8

I Semester B.C.A. Degree Examination, November/December 2013  
(F+R) (Y2K8 Scheme)

BCA – 103 : COMPUTER FUNDAMENTALS

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.

SECTION – A

- Note :**
- i) Answer **any ten** questions. (10×2=20)
  - ii) **Each** questions carries **two** marks.

1. What are super computers ?
2. Mention types of printers ?
3. Give two examples of Input devices.
4. What is the main function of ALU ?
5. What is syntax error ?
6. Define DBMS.
7. What is Internet ?
8. Mention two Internal DOS commands.
9. What is the use of mail merge ?
10. What is Telnet ?
11. Define URL.
12. Define search engine.

P.T.O.



## SECTION – B

- Note :** i) Answer **any five** questions.  
ii) **Each** questions carries **5** marks.

**(5×5=25)**

13. Write a note on 4<sup>th</sup> generation computers.
14. Write a brief note on computer security.
15. Write a algorithm to find the sum of all natural numbers between 1 to n.
16. Discuss OCR in detail.
17. Explain any five statistical formula available in MS-Excel.
18. Explain star and ring network topologies.
19. Explain any five applications of multimedia.
20. Explain the structure of "BASIC".

## SECTION – C

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

**(3×15=45)**

21. a) Explain the Block diagram of a computer. **8**
- b) Explain the characteristics of computer. **7**
22. a) Describe different types of output devices. **8**
- b) Explain primary memory in detail. **7**
23. a) Discuss various types of programming languages. **8**
- b) Write a note on :
  - a) Compiler
  - b) Assembler
  - c) Interpreter. **7**



- 24. a) Describe all the procedures to format a table in MS-word. 8
- b) Explain the layout of excel screen. 7
- 25. a) Explain different applications of internet. 8
- b) Write note on network services. 7

SECTION – D

**Note :** i) Answer **any one** question. **(1×10=10)**  
    ii) **Each** question carries **ten** marks.

- 26. a) What is E-mail ? Mention advantages and disadvantages. 6
  - b) Write a note on social networks. 4
  - 27. Define an operating system. Explain its functions. Write any two examples of operating system. 10
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