



SN – 667

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I Semester B.C.A. Degree Examination, Nov./Dec. 2017
(Y2K8 Scheme) (Repeaters)
BCA – 103 : COMPUTER FUNDAMENTALS

Time : 3 Hours

Max. Marks : 90/100

Instruction : Section A, B, C is common to all. Section – D is applicable to students who have admitted in 2011-12 and onwards only.

SECTION – A

Note : i) Answer any ten questions.

ii) Each question carries two marks.

(10×2=20)

1. Mention any two features of fourth generation computers.
2. What are the functions of ALU ?
3. What is aspect ratio ?
4. List any two types of OS.
5. What is an application software ?
6. Define primary key.
7. What is slide animation ?
8. Name any two arithmetic function used in Excel.
9. Explain Static RAM.
10. Name any two input statements of BASIC.
11. Expand ASCII and EBCDIC.
12. What is telnet ?

P.T.O.



SECTION - B

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

(5×5=25)

13. Explain characteristics of a computer.
14. Write a note on Magnetic media.
15. What is OCR ? Explain
16. Perform the following operations :
 - a) Binary Addition : 011010 and 001100
 - b) Binary Subtraction : 010001 from 100101.
17. Draw a flowchart to find the largest of three numbers.
18. Explain different views of a slide with suitable illustrations.
19. Write short notes on creating and managing tables in word.
20. Explain computer virus and its prevention.

SECTION - C

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

(3×15=45)

21. a) How are computers classified based on size and speed ? Explain. 8
- b) Explain any four areas of computer application. 7
22. a) Explain classification of computer memory. 8
- b) Explain any two input devices. 7
23. a) Explain any five dos commands. 5
- b) Explain any three data models. 5
- c) Differentiate between machine language and assembly language. 5



24. a) Explain cell formatting in MS-Excel. 5
b) Explain control statements with syntax and example in BASIC. 10
25. a) Explain different types of topologies with their advantages and disadvantages. 10
b) Write any two internet application. 5

SECTION – D

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

26. a) Explain the components of power point window. 5
b) Explain any five advantages of DBMS. 5
27. Define an operating system. Explain its functions. Write any two examples of operating system. 10
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