



I Semester B.C.A./B.C.A.(DS) Degree Examination, January 2025
(SEP Scheme) (Freshers)
COMPUTER APPLICATIONS
Fundamentals of Computers

Time : 3 Hours

Max. Marks : 80

Instruction : Answer all the Sections.

SECTION – A

I. Answer any 10 questions. Each question carries 2 marks. (10×2=20)

- 1) Define Computer.
- 2) What is system software ? Give an example.
- 3) Define an algorithm and a flowchart.
- 4) List the types of printers.
- 5) What is a memory cell ?
- 6) What are universal gates ?
- 7) What is binary number system ?
- 8) Abbreviate ASCII and BCD.
- 9) What is a search engine ?
- 10) Mention any two features of MS-Word.
- 11) What is sorting in MS-Excel ?
- 12) Give any two advantages of using a PowerPoint.

SECTION – B

II. Answer any 6 questions. Each question carries 5 marks. (6×5=30)

- 13) Write a note on Evolution and History of Computers.
- 14) Briefly explain the types of computers based on size and speed.
- 15) Explain any five input devices.
- 16) Write a note on primary memory.
- 17) Convert the following :
 - i) $(EC2)_{16} = (?)_2$
 - ii) $(3A5)_{16} = (?)_8$



- 18) What is internet ? Explain the features of internet.
19) Explain the applications of MS-Office.
20) Explain the different types of graphs in MS-Excel.

SECTION – C

III. Answer **any 3** questions. **Each** question carries **10** marks.

(3×10=30)

- 21) a) Explain the basic organization of digital computer with a neat diagram. 5
b) What is a Translator ? Explain the different types of Translator. 5
- 22) a) Discuss in detail the different types of printers. 6
b) Explain basic gates with a neat diagram. 4
- 23) a) Convert the following hexadecimal numbers to octal numbers.
i) $(1BC)_{16} = (?)_8$
ii) $(D1)_{16} = (?)_8$ 5
b) Write a note on E-mail operations. 5
- 24) a) Discuss in detail Mail Merge in MS Word. 6
b) How do you password protect a PowerPoint presentation ? 4
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