

SCAIS-1701- A-25
B.C.A. I Semester (SEP) Degree Examination
COMPUTER SCIENCE
Fundamentals of Computers
Paper DSC-1AT

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- i) All Sections are compulsory.
- ii) Draw neat and labelled diagram wherever necessary.

Section - A

Answer **all** of the following questions.

(10×2=20)

1.
 - a) Define Computer.
 - b) Expand the terms: SRAM and DRAM.
 - c) Define Software. Mention types of Computer Software's.
 - d) What is bus? Name types of buses used in Computer System.
 - e) What is serial Port?
 - f) Name any two display adapter cards used in Computer System.
 - g) What is Server?
 - h) What is RJ-45 connector?
 - i) What is domain name?
 - j) What is Web browser?

Section - B

Answer any **six** of the following questions.

(6×2=12)

1. Convert the following from binary to decimal system.
 - a) $(11010.10)_2 \rightarrow 26.5$
 - b) $(110101011.10) \rightarrow 427.5$
2. Briefly explain different types of Computer Softwares.

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4. Describe different types of ports.
 5. What is flash memory? Explain NOR and NAND flash memory.
 6. Explain the benefits of a Networks.
 7. What is hub? Explain types of hubs.
 8. What is IP address? Explain.
 9. Write the steps to create your Email address/Account.

Section - C

Answer any **three** of the following questions.

10. Explain the different types of computers.
 11. Discuss the components of a computer system.
 12. Explain different types of networks topologies.
 13. What is TCP/IP? Explain.
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(3×1)

Roll No _____

[Total No. of Pages : 2]

BCIS-N-119 A-21
B.C.A. I Semester (CBCS) Degree Examination
COMPUTER SCIENCE
Computer Fundamentals
Paper : DSC - 1A
(New)

Time : 3 Hours

Maximum Marks : 80

SECTION - A

Answer **All** of the questions. Each question carries **2** marks.

(10×2=20)

1. a) Write any two uses of computer
- b) What is the expansion of EBCDIC and BCD?
- c) What is OCR & OMR?
- d) Define Operating system.
- e) Define Primary memory.
- f) Define Cache memory
- g) Expand BIOS and USB.
- h) What is Bluetooth?
- i) List the advantages of E-Library
- j) What is Google Scholar?

SECTION - B

Answer any **Four** questions. Each question carries **5** marks.

(4×5=20)

2. What are the characteristics of Computer?
3. Explain the various types of Printers.
4. Explain Processors.
5. Write note on SMPS and ports.
6. Explain briefly about Big Data.
7. Explain E-Library in detail.

SECTION - C

Answer any **Four** questions. Each question carries **10** marks.

(4×10=40)

8. Explain in detail the history and generation of Computer.
 9. Explain briefly ASCII code.
 10. What is Monitor? Explain different types of Monitors.
 11. Define Memory? Briefly explain the different types of Memory?
 12. Write note on Software and Hardware.
 13. What is Data Mining? Explain the Application of Data Mining.
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