



BBA-003-004103

Seat No. _____

B. Sc. (I.T.) (Sem. I) (CBCS) Examination

July – 2021

CS - 03 : Foundation in Information Technology

Faculty Code : 003

Subject Code : 004103

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

1 Attempt following MCQ Questions : 20

- (1) Give the full form of CPU.
- (2) Which technology was used in Second generation computers?
- (3) WWW stands for _____
- (4) Give the full form of LSI.
- (5) Floppy diskette was originally created in _____ by IBM to help have an alternative to buying hard drives.
- (6) What is the time span for 2nd generation of computer ?
- (7) The dot-matrix printer uses print heads containing from _____ pins.
- (8) Give the full form of CD.
- (9) Conversion from Binary to Octal. $(10110100)_2$
(_____)₈
- (10) BCD stands for _____
- (11) _____ base is used by Hexa Decimal number system?
- (12) The transistorized computer circuits were introduced in _____
- (13) _____ base is used by Octal number system?
- (14) ASCII stands for _____
- (15) Give the full form of HTML is a _____

- (16) Magnetic disk stores data in _____
- (17) RAM stands for _____
- (18) _____ generation of computers was made up of Vacuum tubes?
- (19) Conversion from Octal to Binary. $(2564)_8$ (_____)₂
- (20) _____ base is used by Decimal.

2 (A) Attempt the following : (Any **Three**) **6**

- (1) Draw block diagram with all components.
- (2) Differentiate data and information.
- (3) List all four number systems with their base and range.
- (4) Solve binary subtraction : $(100011)_2 - (1111)_2$
- (5) Discuss ROM.
- (6) What is application software and system software?

(B) Attempt the following : (Any **Three**) **9**

- (1) Explain Optical disk.
- (2) Explain hybrid computer.
- (3) Convert following from Decimal to Hexadecimal
(i) 1310 (ii) 212
- (4) Explain Dot matrix printer.
- (5) Explain Flat bed scanner.
- (6) Explain Mouse.

(C) Attempt the following : (Any **Two**) **10**

- (1) Explain characteristics of computer.
- (2) Write a note LCD.
- (3) Convert following from Binary to Octal.
(i) 10011011 (ii) 1101110
- (4) Explain ports and its types.
- (5) Discuss 5th generation of computer.

3 (A) Attempt the following : (Any **Three**) 6

- (1) Explain machine level language.
- (2) Differentiate compile and interpreter.
- (3) Give full form of :
 - TCP/IP
 - FTP
 - HTTP
- (4) What is web browser? Give names of any 3 web browsers.
- (5) Explain
 and <HR>
- (6) Convert following number from HexaDecimal to Binary.
 $(B1D2)_{16} = (\quad)_{10}$

(B) Attempt the following : (Any **Three**) 9

- (1) Write BCD code for : PEN
- (2) Solve binary subtraction using 1's complement and 2's complement : 11100011–1010101
- (3) Explain daisywheel printer.
- (4) Explain domain names in detail.
- (5) Explain PROM
- (6) What is e-mail?

(C) Attempt the following : (Any **Two**) 10

- (1) Discuss laser printer.
- (2) Discuss Compact disc.
- (3) Write an HTML code to create following table :

Menu

Item	Price
Sandwich	35.00
Pizza	120.00
Dabeli	25.00

- (4) Explain types of lists in HTML with example.
- (5) Write an HTML code to create a form as follows.

Name :

Gender : Male / Female

Hobbies : Reading / Dancing / Computer

Address :

Submit and Cancel button
