



TDC (CBCS) Odd Semester Exam., 2019

COMPUTER APPLICATION

(1st Semester)

Course No. : BCACC-101T

(Computer Fundamentals)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer **all** questions

UNIT—I

1. Answer any *two* questions : 2×2=4

(a) Convert $(1101101)_2 = (?)_{10}$

(b) Add the following :

(i) $(11011)_2 + (11010)_2$

(ii) $(11101)_2 + (10101)_2$

(c) Perform 2's complement subtraction of

$(10011101)_2 - (11011011)_2$



2. Answer any *one* of the following : 6
- (a) What are the different types of computer? Explain with example.
- (b) What do you mean by data representation? Briefly explain the different types of number system.

UNIT—II

3. Write short notes on any *two* of the following : 2×2=4
- (a) Web camera
- (b) Monitor
- (c) Plotter

4. Answer any *one* of the following : 6
- (a) Explain operating system with suitable example. Discuss the application of operating system.
- (b) Discuss different types of input and output devices.

UNIT—III

5. Discuss primary memory and secondary memory with examples. 3+3=6
6. Differentiate between any *two* of the following : 2×2=4
- (a) Cache memory and auxiliary memory
- (b) Hard disk and optical disk
- (c) RAM and ROM

UNIT—IV

7. Write short notes on any *two* of the following : 2×2=4
- (a) CPU
- (b) Motherboard
- (c) Expansion card
8. Answer any *one* of the following : 6
- (a) Discuss computer organization briefly.
- (b) Discuss the terms bluetooth and mobile computing.



UNIT—V

9. Write short notes on any *two* of the following :

2×2=4

(a) Google scholar

(b) SPSS

(c) e-library

10. Answer any *one* of the following :

6

(a) What do you mean by data analysis? Why is it required? Where is data analysis used generally?

(b) What is cloud computing? Discuss the Google cloud platform.
