



2018/TDC/ODD/BCAG-101T/009

TDC (CBCS) Odd Semester Exam., 2018

COMPUTER APPLICATION

(1st Semester)

Course No. : BCAGEC-101T/BCADSC-101T

(Computer Fundamentals)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

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

UNIT—I

1. Answer/Fill in the blanks any *four* from the following : 1×4=4

(a) 1 byte = ____ bits.

(b) Base of binary number is ____.

(c) How many symbols are used in the hexadecimal number system?

(d) The brain of any computer system is ____.

(e) What does g represent in 3g?



2. Answer any one question from the following :

- (a) Convert $(1100)_2$ to decimal.
- (b) What are the different number systems to represent data?

3. Answer one question (either a or b) from the following :

- (a) (i) Write a brief note on history of computer.
- (ii) State the difference between software and hardware.
- (b) (i) Convert the decimal number 12·125 to binary.
- (ii) What are the different types of computer? Discuss them.

UNIT—II

4. Answer/Fill in the blanks any four from the following :

1×4=4

- (a) OCR stands for _____.
- (b) What is operating system?
- (c) Name one device which can act as both input and output.
- (d) What is program?
- (e) GUI stands for _____.

5. Answer any one from the following :

- (a) State the characteristics of a computer.
- (b) What is OMR?

6. Answer one question (either a or b) from the following :

- (a) Discuss four input and output devices used in computer. 8
- (b) (i) What are the different types of software? Discuss them. 6
- (ii) What is utility program? 2

UNIT—III

7. Answer/Fill in the blanks any four from the following :

1×4=4

- (a) Smallest unit of memory is _____.
- (b) Give one example of secondary memory.
- (c) Full form of CD is _____.
- (d) What is USB?
- (e) Name one PDA device.



8. Answer any one from the following : 2

- (a) "Storage is one of the important components of computer." Why?
- (b) State the relationships of different memory units.

9. Answer one question (either a or b) from the following :

(a) State the difference between the following : 8

- (i) Primary memory and Secondary memory
- (ii) RAM and ROM

(b) Explain the following : 8

- (i) Auxiliary memory
- (ii) Cache memory

UNIT—IV

10. Answer/Fill in the blanks any four from the following : 1×4=4

- (a) _____ is the brain of computer.
- (b) What is SMPS?
- (c) Unit of register is _____.
- (d) Mention one system bus.
- (e) What is embedded system?

11. Answer any one from the following : 2

- (a) What are the different components of motherboard?
- (b) What are ports and interfaces?

12. Answer one question (either a or b) from the following :

(a) (i) Discuss the different components of computer with a neat diagram of its organization. 6

(ii) What is system bus? 2

(b) Give a brief overview of emerging technologies. 8

UNIT—V

13. Answer as directed any four from the following : 1×4=4

(a) Computers cannot help in decision-making process.

(Write True or False)

(b) Computer can be used for _____.

(Fill in the blank)

(c) What is e-library?

(Turn Over)



(d) Full form of SPSS is _____.
(Fill in the blank)

(e) What can you do using Mathematica?

14. Answer any one from the following :

(a) Mention two uses of computer. 2

(b) What is heterogeneous storage? 8

15. Answer one question (either a or b) from the following :

(a) Write notes on the following : 8

(i) SPSS

(ii) Mathematica

(b) How does computer help in education and research? 8
