



AF-3104

BCA (Part - I)
Term End Examination, 2017-18

Paper - IV

Computer Fundamentals and
Concepts of Software

Time : Three Hours] [Maximum Marks : 100
[Minimum Pass Marks : 33

Note : Answer from **all** the Sections as directed. The figures in the right-hand margin indicate marks.

Section-A

1. Answer the following objective type questions : 2×10
 - (a) Which of the following is not an input device ?
 - (i) Printer
 - (ii) Mouse
 - (iii) Key board
 - (iv) Scanner

(2)

(b) What is the full form of USB ?
(i) Uniform Serial Bus
(ii) Universal Serial Bus
(iii) Uniform Sequential Bus
(iv) Universal Sequential Bus

(c) Which of the following is not a processor ?
(i) Pentium-4
(ii) i-7
(iii) i-5
(iv) Chip board

(d) Which of the following is Super Computer ?
(i) PARAM
(ii) CRAY-TITAN
(iii) CRAY-JAGUAR
(iv) All of the above

(e) Which of the following is not the characteristic of RAM ?
(i) Volatile
(ii) Permanent storage

(3)

(iii) Read and write
(iv) All of the above

(f) Which of the following is impact printer ?
(i) Inkjet
(ii) Laser printer
(iii) Drum printer
(iv) All of the above

(g) BIOS is stored in :
(i) RAM
(ii) Cache memory
(iii) ROM
(iv) Hard disk

(h) Which of the following is not a system software ?
(i) Operating system
(ii) Compiler
(iii) Interpreter
(iv) Calculator

(4)

(i) Which of the following converts high level language to low level language line by line ?

- (i) Compiler
- (ii) Interpreter
- (iii) Linker
- (iv) Loader

(j) Which of the following is not an application software ?

- (i) Linker
- (ii) Loader
- (iii) Device drivers
- (iv) All of the above

Section-B

Answer the following short answer type questions : 4×5

2. Write the name of four parts in computer system.

OR

What is computing ? Explain.

(5)

3. What is system clock ? Explain.

OR

What is machine cycle ? Explain.

4. What is cache memory ? Explain.

OR

What is track ball ? Explain.

5. What is simulator ? Explain.

OR

What is debugger ? Explain.

6. Compare between compiler and interpreter.

OR

What is Dynamic Relocation ?

Section-C

Answer the following long answer type questions : 12×5

7. Explain any four input devices along with suitable diagrams.

OR

(6)

Explain the various applications and issues of computer.

8. Explain categories of processor on the basis of word length.

OR

Explain processor building blocks with suitable diagrams.

9. Explain the following :
 - (a) ROM
 - (b) Flash memory
 - (c) Cache memory
 - (d) CMOS

OR

What is Printer ? Explain the various types of printers.

10. What is Assembler ? Explain the different types of assemblers.

OR

Explain linker and loader along with suitable diagrams.

(7)

11. What is Compiler ? Explain phases of compiler.

OR

What is code optimization ? Explain local and global optimization.
