

Total No. of printed pages = 2

SUBJECT CODE: CAP052103/INT052103

Roll No. of candidate

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2017

End Semester BCA/ B.Sc. (IT) Examination

1st Semester

Fundamentals of Computer Science

Full Marks- 70

Pass Marks-21

Time- 3 hours

The figures in the margin indicate full marks.

PART – A

Q.1. Answer all questions:

16 x 1 = 16

- a) Define Accuracy in terms of computer.
- b) Who is known as the father of computer?
- c) What is the full form of ENIAC and mention its years of working?
- d) Give two examples of Third Generations of Computer along with software's used.
- e) Give four examples of input device.
- f) What are the various types of magnetic and optical drives?
- g) Write the full form of EPROM and EEPROM.
- h) What is pointing device?
- i) Give four examples of output device.
- j) What do you mean by data in terms of computer?
- k) Give two examples each of CRT and Flat Screen Technology.
- l) What are full forms of RAM and ROM?
- m) Define system software.
- n) What are the types of operating system?
- o) Define Utility Programs.
- p) What do you mean by compiler and interpreter?

PART – B

Q.2. Answer all questions:

3.5 X 4 =14

- (a) Write a short note on IBM Personal Computer along with XT and AT systems.
- (b) What are primary and secondary storage? Explain.
- (c) Compare between System Software and Application Software.
- (d) Explain the three essential parts of computer system i.e. Input device, CPU and Output device.

PART – C

Q.3. Answer all questions:

10 X 4= 40

- (a) What are the various generations of computer?
Explain about any two generations. 2+8
OR
What are the various types of computer? Explain. 2+8
- (b) Write short notes on Mass Storage Systems, Optical Disks CD ROM
and Light Pen. 4+3+3
OR
Write short notes on Keyboard, Smart Card and MICR. 4+3+3
- (c) What are the various types of printers? Explain. 2+8
OR
What do you mean by memory? What are its various types? Explain. 2+2+6
- (d) What are the various types of programming languages? Explain 2+8
OR
What are the various generations of Programming Languages? Explain
about the Fourth Generation Languages. 2+8