

BCA-01/DCA-101

June - Examination 2017

BCA Pt. I/DCA Examination**Introduction to Computer Science****Paper - BCA-01/DCA-101****Time : 3 Hours]****[Max. Marks :- 100**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A**10 × 2 = 20**

(Very Short Answer Questions)

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

- 1) (i) Give an example of search engine.
- (ii) What is the use of MD command in MS-DOS?
- (iii) What is Computer Virus?
- (iv) List the functions of Arithmetic Logic Unit (ALU).
- (v) What do you mean by Modulation?
- (vi) List the states of process during its lifespan.
- (vii) Explain the use of Recycle Bin.

- (viii) Why modern computer systems implements Virtual Memory?
- (ix) What are the key features of 5th generation computers?
- (x) What is the measurement unit to measure Clock Speed of a Processor?

Section - B**4 × 10 = 40**

(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) What is Computer? Describe the applications of Computer.
- 3) Differentiate among Simplex, Half Duplex and Full Duplex mode of Data Communication.
- 4) How Firewall works? Describe its advantages.
- 5) Write short note on Digital Signature.
- 6) How E-commerce differs from real world commerce? Explain its advantages.
- 7) What is Internet? Explain LAN, MAN and WAN.
- 8) How can we solve fragmentation problem while using memory management algorithms in operating system? Explain.
- 9) Give the definition of software. Compare Application Software and System Software.

Section - C**2 × 20 = 40**

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

- 10) Define Operating System. Differentiate between Multitasking Operating System and Multiprogramming Operating System.
- 11) What is Printer? Describe various categories of printers in detail.
- 12) Explain the basic difference between MS-Windows and MS-DOS. Also discuss the components of window in MS-Windows.
- 13) Write short note on the following:
 - a) Ethical Hacking
 - b) Antivirus Software
