

Roll No.

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Paper ID [A0201]

(Please fill this Paper ID in OMR Sheet)

BCA (101)/(Old/S05) (Sem. - 1st)**B.Sc. CST - 301 (Old)/DCA - 101 (Old)****INTRODUCTION TO INFORMATION TECHNOLOGY****Time : 03 Hours****Maximum Marks : 75****Instruction to Candidates:**

- 1) Section -A is **Compulsory**.
- 2) Attempt any **Nine** questions from Section - B.

Section - A**(15 × 2 = 30)****Q1)**

- a) Differentiate between data and information with suitable examples.
- b) Explain with example procedure to convert octal number to binary number.
- c) List two devices which can be used as input as well as output device.
- d) What do you understand by write protection of floppies and how is it done?
- e) What are the disadvantages of OMR?
- f) What do you understand by spooling?
- g) What is batch processing?
- h) Define multiprogramming.
- i) Differentiate between RAM and ROM.
- j) What is a cache memory? Distinguish between L1 and L2 cache.
- k) Differentiate between single user and multi-user system.
- l) If on the DOS prompt, ABC is typed and on the disk(say C:\>), there are three files ABC.COM, ABC.EXE and ABC.BAT. Which of the three files will be executed? Why?
- m) What is warm booting?
- n) List four facilities provided by Internet through WWW?
- o) What is the role played by modem in networking?

Section - B**(9 × 5 = 45)**

- Q2)** Discuss the working of various components of computer with block diagram.
- Q3)** Compare impact printers with non-impact printers.
- Q4)** Explain the procedure of storing data on a hard disk.
- Q5)** Discuss the relative utility of different optical technologies available in the market.
- Q6)** Compare characteristics of primary storage with auxiliary storage.
- Q7)** Describe functions of operating system.
- Q8)** Explain in detail multiprocessing and time-sharing systems.
- Q9)** Explain in detail different types of ROM.
- Q10)** What are the differences between internal commands and external commands in DOS? Give three examples of each type with syntax.
- Q11)** Explain various features of DOS.
- Q12)** Discuss applications of computers in sports and commerce.
- Q13)** What are the advantages of networking? Explain briefly E-mail.

