Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

BMCI (2014 & Onwards)   (Sem.–1)
INFORMATION TECHNOLOGY
Subject Code : BMCI-103
Paper ID : [A3273]

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. **Answer briefly :**

    a) What are the limitations of computers?

    b) What is secondary memory?

    c) How characters are represented in computers?

    d) What is Control Panel in Windows?

    e) Define the terms: Bit, Byte and Word.

    f) Why do computers need an operating system?

    g) What are headers and footers?

    h) How formulas are entered in a worksheet?

    i) Explain the Ring topology.

    j) What is a router? What is its use in computer networks?

SECTION-B

2.   Briefly discuss problem solving with computers.

3.   What are computer languages? Differentiate between high-level and low-level languages.

4.   Discuss and differentiate between multi-programming, multi-processor and multi-tasking operating systems.

5.   Discuss the formatting features of word processing package.

6.   What are the various security threats to computers? Discuss virus in detail.

SECTION-C

7.   What do you mean by a computer generation? Elaborate in detail the various generations of computers.

8.   What are the various input and output devices? Discuss each with an example.

9.   What is Internet? Explain in detail the applications of Internet with example.