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Total No. of Pages : 02

Total No. of Questions : 09

BMCI (2014 & Onwards) (Sem.-1)

INFORMATION TECHNOLOGY

Subject Code : BMCI-103

M.Code : 72200

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS 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 is the difference between mainframe computer and supercomputer?

b. Why is virtual memory used in operating systems?

c. What is a ring topology in LAN?

d. What is the difference between interpreter and compiler?

e. What is cache memory?

f. Define WWW. What are its advantages?

g. What is the use of mail-merge in word processor?

h. What is MICR?

i. What do you understand by booting?

j. Convert the following from octal to hexadecimal number system :

i) 46

ii) 7654

SECTION-B

2. Explain the difference between the primary memory and secondary memory.
3. What is a virus? What are the various types of virus? How virus can be controlled?
4. What is a master slide? How master slide is created in Power Point? Explain with example.
5. What is the use of macro and spell-checking in word processing? Explain how to use the macro in word?
6. Do the following binary arithmetic operations :

$A = 110110$, $B = 101111$, $C = 1011$

- a) $A + B$
- b) $A B$
- c) $A * C$

SECTION-C

7. What is computer? Explain the various generations of computers. Also discuss the role of computer in education.
8. What is communication media? Explain the types of physical communication media in detail. Also, discuss which communication media is most used in present time?
9. What is the difference between compilation and assembling? Explain the corresponding software which performs the compilation and assembling in detail with suitable example.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.