Total No. of Questions—4]　　　　　　[Total No. of Printed Pages—2

Seat
No.

[4966]-1001

MCA (Commerce Faculty) (First Semester) EXAMINATION, 2016
101 : FUNDAMENTAL OF INFORMTION TECHNOLOGY
(2013 PATTERN)

Time : Three Hours　　　　　　　　　　**Maximum Marks : 50**

N.B. :—　(i)　*All* questions are compulsory.

　　　　　(ii)　Figures to the right indicate full marks.

1.　Define and explain in brief any *seven* of the following : [7×2=14]

　(a)　LAN

　(b)　Scheduling and synchronization

　(c)　Binary Arithmetic

　(d)　Refresh cathode tube

　(e)　Decision tree

　(f)　Interpreter

　(g)　Computer Network

　(h)　Types of Operating system.

2.　Attempt any *three* :　　　　　　　　　　　　　　[3×4=12]

　(a)　Explain functions of operating system.

　(b)　List all output devices. Explain any *one* in detail.

　(c)　Write an algorithm to print all odd numbers betwen 1 to 100 and also draw flowchart.

　(d)　Explain the following terms with example :

　　　(i)　Referential Integrity

　　　(ii)　Primary Key.

3. Attempt any *three* :   [3×4=12]

   (a) What is topology ? Explain Mesh topology in detail.

   (b) Explain architecture of microprocessor.

   (c) What is software ? Explain types of software.

   (d) Explain working of mouse in detail.

4. Attempt any *three* :   [3×4=12]

   (a) Write a note on Assembler.

   (b) Convert the follownig :

       (i) 10011 to Decimal

       (ii) BC7 to Decimal.

   (c) Write a note on low level language.

   (d) Explain protocol in detail.