BCA 1st SEMESTER EXAM. , 2014

INFORMATION TECHNOLOGY AND APPLICATION CODE – 303103

Time: 3 hours Full Marks: 60

Instructions:

i. The Marks are indicated in the right -hand margin.

ii. There are SEVEN questions in this paper.

iii. Attempts FIVE question in all.

iv. Question Nos. 1 and 2 are compulsory.

1. Choose the correct option (any six): 2*6=12

(a) The brain of any computer system is

(I) ALU (II) Memory

(III) CPU (IV) None of the above

(b) What difference does the 5th generation computer have from other generation computers?

(I) Technology advancement (II) Scientific code

(III) Object – Oriented programming (IV) All of the above

(c) The track on the disk which can be accessed without repositioning the R/W head is

(I) surface (II) cylinder

(III) cluster (IV) All of the above (V) None of the above

(d) Which part interprets program instruction and initiate control operations?

(I) Input (II) Storage unit

(III) Logic unit (IV) Control unit (V) None of the above

(e) Which of these is not an example of an input device?

(I) Keyboard (II) Mouse

(III) Hard drive (IV) Scanner

(f) What is URL?

(I) An email address (II) The title of a web site

(III) The address of a page on the World Wide Web

(IV) A communication method between computers and printers

(g) Which file starts MS-Word?

(I) Winword.exe (II) Word.exe

(III) Msword.exe (IV) Word2003.exe

(h) A computer port is used to

(I) communicate with other computer peripherals

(II) download files from the we

(III) communicate with all hard drives

(IV) connect computers together

(i) CD - ROM

(I) is a semiconductor memory (II) is a memory register

(III) is a magnetic memory (IV) None of the above

(j) 1 nibble equals to

(I) 1 bit (II) 2 bits (III) 4 bits (IV) 8 bits

2. Answer any three of the following: 4*3=12

(a) What is computer? Why is it known as data processor?

(b) How are application software different from system software?

(c) Define intranet and internet.

(d) Explain the printing mechanism of the dot matrix printer.

(e) What are main limitations of primary storage of a computer system?

Answer any three of the following: 12*3=36

3. Draw the block diagram to illustrate the basic organization of the computer system and also explain the function of the various units.

4. Differentiate between input and output device. Can a device be used as both an input device and output device ? If no, explain why. If yes, give two example of such device and also explain.

5. What is operating system? Why is it necessary for a computer system? Explain the different operating system functions.

6. Explain LAN, MAN and Wan.

7. What is mail merge? Explain the different steps to completing the mail merge.