

Total No. of Questions :7]

SEAT No. :

[Total No. of Pages :4

**P1002**

**[5319]-1001**

**F.Y.B.C.A.**

**SCIENCE**

**BCA - 101: Fundamentals of Computer  
(2016 Pattern) (Semester-I)**

**Time : 3Hours]**

**[Max. Marks :70**

**Instructions to the candidates :**

- 1) Question No.1 (A and B) are compulsory.**
- 2) Attempt any two questions from Group-I.**
- 3) Attempt any two questions from Group-II.**
- 4) Figures to the right indicate full Marks.**

**Q1) A) Choose the appropriate option.**

**[7]**

- a) \_\_\_\_\_ is a translator that translates source instruction into target instruction, on a one to one basis.
- |                |                      |
|----------------|----------------------|
| i) Assembler   | ii) Machine Compiler |
| iii) Converter | iv) Interpreter      |
- b) M B R Stands for\_\_\_\_\_
- |                       |                         |
|-----------------------|-------------------------|
| i) Mini Boot Record   | ii) Master Break Record |
| iii) Master Boot Race | iv) Master Boot Record  |
- c) Which DOS Command is used to list all of the files in the current directory?
- |           |                       |
|-----------|-----------------------|
| i) CLS    | ii) DIR               |
| iii) SHOW | iv) None of the above |
- d) GUI stands for\_\_\_\_\_
- |                                  |
|----------------------------------|
| i) Geographical User Interchange |
| ii) Geometrical User Interface   |
| iii) Graphical User Interface    |
| iv) None of the above            |

**P.T.O.**

e) \_\_\_\_\_ is the process of consolidating fragmented data on a Volume so it will work more efficiently.

- i) Disk defragmentation      ii) Program
- iii) Compression              iv) Disk cleanup

f) \_\_\_\_\_ is Volatile Memory device.

- i) PROM                              ii) EPROM
- iii) ROM                              iv) RAM

g) \_\_\_\_\_ is a systematic approach to problem solving that is often used to find and correct issues with complex machines, electronics, computers and software system.

- i) Troubleshooting              ii) PC Wizard
- iii) HW Info                      iv) None of the above

B) Define following terms: [7]

- a) PROM
- b) Compiler
- c) Vi editor
- d) Desktop
- e) Theme
- f) Registers
- g) Spreadsheet

GROUP - I

**Q2)** Answer the following.

- a) What is input devices? Explain at least two input devices in detail. [5]
- b) What is computer? What are the characteristics of computer. [5]
- c) Write notes on: [4]
  - i) ROM
  - ii) Application Software

**Q3)** Attempt the following.

- a) Explain Mainframe Computer in detail [4]
- b) Write short note on: [4]
  - i) BIOS
  - ii) Octal Number System
- c) Convert following decimal number in to binary number [3]
  - i)  $(56)_{10}$
  - ii)  $(187)_{10}$
- d) Explain the Usage of spreadsheet [3]

**Q4)** Answer the following.

- a) Explain block diagram of computer in detail [4]
- b) Explain CRT monitor in detail [4]
- c) Explain various Presentation tools [3]
- d) Explain various Spreadsheet Software [3]

**GROUP-II**

**Q5)** Answer the following.

- a) Define O.S? Explain any four function of O.S. [5]
- b) What do you mean by High level language?What are features of High level language? [5]
- c) Write Short note on: [4]
  - i) Motherboard
  - ii) Scanner

**Q6)** Answer the following.

- a) Explain any four networking related Problem with Solution [4]
- b) What is hardware? Explain types of Hardware [4]
- c) Write note on: [3]
  - i) Slide Animation
  - ii) Powerpoint Background
- d) Explain any three features of word processor [3]

**Q7)** Answer the following.

- a) Explain any four external DOS Commands with example **[4]**
- b) Write short note on: **[4]**
  - i) Dot Matrix Printer
  - ii) Menu
- c) Convert the following. **[3]**
  - i)  $(14268)_{10} = (?)_{16}$
  - ii)  $(436)_8 = (?)_2$
  - iii)  $(1011)_2 = (?)_8$
- d) Solve the following. **[3]**
  - i)  $1100110 + 1001101$
  - ii)  $1101 - 111$

