Kamala College, Kolhapur (Autonomous)

B.C.A (Part -I) (Semester - I)

Examination November - 2023

Fundamentals of computer

Sub. Code: CC-301

Day and Date: Wednesday, 01/11/2023   Total Marks: 80
Time   : 08:00 am to 11:00 am

Instructions:

1. *Que. 1 and Que. 8 are compulsory*
2. *Attempt any three questions from Que. No.2 to Que. No. 7*
3. *Figures to the right indicate total marks.*

Q. 1 Multiple choice questions.   12

   1. What is the full form of RAM -----------?
      a) Random Access memory   b) Random Accessible memory
      c) Random Allocate Memory   d) Readable Access Memory

   2. Which of the following is not a primary memory?
      a) RAM   b) ROM
      c) Hard Disk   d) DRAM

   3. Who is the father of Computers?
      a) James Gosling   b) Charles Babbage
      c) Dennis Ritchie   d) Bjarne Stroustrup

   4. Which of the following is an input device?
      a) Monitor   b) Printer
      c) Projector   d) Scanner

5. Which of the following is the number system used in computer.
   a) Binary
   b) Decimal
   c) Octal
   d) All of Above

6. The input hexadecimal representation of 1110 is----------
   a) 0111
   b) E
   c) Projector
   d) Scanner

7. Which of the following is a feature of Linux?
   a) Multiuser
   b) Open-source
   c) Secure
   d) All of above

8. 1024kb = ------------.
   a) 8 bit
   b) 1Gb
   c) 1 Mb
   d) 1 Tb

9. --------- devices are those that converts information into human understandable form.
   a) Input
   b) Output
   c) Storage
   d) Memory

10. The -------------- command in Linux is used to display the list of files.
    a) dir
    b) ls
    c) list
    d) show

11. The ----------- was used into the first generation of the computer.
    a) Vacuum Tubes
    b) Transistors
    c) Integrated Circuits
    d) Microprocessors

12. ------ type of software provides interface between the user and computer.
    a) System software
    b) Application software
    c) Driver Software
    d) Utility Software

Q. 2 What is computer? Explain the features of computer and the different types of computer. 16

Q. 3 Explain the types of memory in detail. 16

Q. 4 What is input device and output device explain the different input and output devices. 16

Q. 5 Write a detail note on Linux operating system, its structure and features. 16

Q. 6 What are the different number systems used in computer and conversion from decimal to binary with example. 16

Q. 7 What is Window operating system? Explain the terms Desktop, Icons, Control Panel, Taskbar and Window Application 16

Q. 8 Write notes. (Any four out of six) 20

1. Generations of Computer.

2. Convert following binary value into decimal

   a. 111101   b. 101010

3. Convert following decimal value to binary

   a. 111101   b. 101010

4. Primary Memory

5. Types of Operating System

6. Linux file system.