



Question Code

A1

KERALA STATE RUTRONIX

Fundamentals of Computer & Operating System

(CTTC/CPPTTC/WPDEO/CWPDE/PDDTP/PDCFA/DCA/DOA/DCA-FT)

Date : 11/08/2012

Time : 2 hours

9.30 am To 11.30 am

Maximum Marks : 100

Note: Write the answers for Questions from 1 to 30 in the MCQ answer sheet

Part - I Choose the most appropriate answer

(10 x 1 Mark = 10 Marks)

- 1) Typical storage capacity of a DVD optical disk varies from
a) 25 GB b) 4.7GB c) 8 GB d) 700 MB
- 2) The first electronic computer is
a) IBM MARK 1 b) UNIVAC c) EDSAC d) ENIAC
- 3) Dot matrix printer is a type of printer.
a) Impact b) Laser c) Line d) Non Impact
- 4) In a flow chart, the symbol used to represent decision making is
a) Parallelogram b) Rectangle c) Circle d) Rhombus
- 5) In Windows, is an information pad, which gives an idea about the various applications running in the form of small buttons or icons.
a) Tool bar b) Task bar c) Menu bar d) Option bar
- 6)input device is also known as game controller.
a) Track ball b) Joystick c) OMR d) Light pen
- 7)scans a set of vertical bars of different width for specific data.
a) OMR b) MICR c) OCR d) Barcode Reader
- 8) A communication network in which all terminals are connected to a central computer is
a) Bus b) Ring c) Star d) Tree
- 9) The speed of the super computer is measured in terms of
a) GB b) Rpm c) Tera flops d) GHz
- 10) A serial port is generally apin connector.
a) 4 b) 9 c) 3 d) None of these

Part - II Fill in the blanks

(10 x 1 Mark = 10 Marks)

- 11) The DOS command to display the content of a text file is
- 12) The unique address associated with each page on the web is
- 13) The first graphical web browser is
- 14) The only language understood by the computer is
- 15) Receiving files from FTP server is called
- 16)is a display that can detect the presence and location of a touch within the display area.
- 17) For faster Internet connections and for networking,.....port is used.
- 18) Ais the smallest element of information used by a computer.
- 19)function key is normally used for **Help**.
- 20)Dos command is used to change the name of a file.

Part - III State whether True or False**(10 x 1 Mark = 10 Marks)**

- 21) Static RAM does not require 'data refreshing'.
- 22) Logical error can be trapped by the compiler.
- 23) A byte is a group of 8 bits.
- 24) LINUX does not have any drive letters.
- 25) UNIVAC was the first commercial computer.
- 26) A language translator is a hardware device.
- 27) An interpreter executes one program line at a time.
- 28) A printer may be called an input device of a computer.
- 29) Cache memory is a place to store files permanently.
- 30) The data in ROM is not lost when the computer power is turned off.

Part - IV Convert the following**(5 x 2 Marks = 10 Marks)**

- 31) $397_{10} = \dots\dots\dots$ binary.
- 32) $1110_2 + 1001_2 = \dots\dots\dots$ binary.
- 33) $146_8 = \dots\dots\dots$ decimal.
- 34) $2AC_{16} = \dots\dots\dots$ binary.
- 35) $11001011_2 = \dots\dots\dots$ Octal.

Part - V Expand the following**(10 x 1 Mark = 10 Marks)**

- | | |
|----------|----------|
| 36) TCP | 41) VLSI |
| 37) HTTP | 42) SATA |
| 38) LAN | 43) AGP |
| 39) BCD | 44) URL |
| 40) OMR | 45) DVD |

(Part VI, VII എന്നിവയുടെ ഉത്തരങ്ങൾ മലയാളത്തിലും എഴുതാം)

Part - VI Answer the following (Any Six)**(6 x 5 Marks = 30 Marks)**

- 46) Explain Computer storage devices.
- 47) Explain any Five LINUX commands with examples.
- 48) Compare SRAM and DRAM.
- 49) Compare digital and analog computers.
- 50) Differentiate Extranet and Intranet.
- 51) Explain USB and Parallel Port.
- 52) Explain any five input device.
- 53) Pointing Devices.

Part - VII Explain the following (Any Two)**(2 x 10 Marks = 20 Marks)**

- 54) Network Topology.
- 55) What is printer? Explain different types of printers.
- 56) Generation of computers.