

[Established by Govt. of Kerala]

Fundamentals of Computer & Operating System

(CTTC, CPPTTC, WPDEO, CWPDE, PDDTP, PDCFA, DCA, DOA)

Time: 2 hours**Maximum Marks: 100****Note: Write the answers for Questions from 1 to 35 in the MCQ answer sheet****Part- I Choose the most appropriate answer****(10 x 1 Mark = 10 Marks)**

- 1) generation of computers are expected to have Artificial Intelligence.
a) Fifth b) Second c) Third d) Fourth
- 2) port is used for networking.
a) Serial b) Parallel c) Ethernet d) USB
- 3) Which of the following storage is volatile?
a) Flash memory b) DVD c) RAM d) CD- ROM
- 4) Hexadecimal number system uses numbers ranging from
a) 0 to 7 b) 0 to F c) 0 to 16 d) 0 to 8
- 5) device is mainly used to import graphics for Desk Top Publishing.
a) Scanner b) MICR c) Track ball d) Light Pen
- 6) is a single user operating system.
a) Linux b) Windows XP c) Unix d) MS-DOS
- 7) Which technology is used in Compact Disks?
a) Laser b) Mechanical c) Electrical d) Electro Magnetic
- 8) In a flow chart, the symbol used to represent decision making is
a) Parallelogram b) Rectangle c) Circle d) Rhombus
- 9) In Windows, is an information pad, which gives an idea about the various application running in the form of small buttons or icons.
a) Tool bar b) Task bar c) Menu bar d) Option bar
- 10) The DOS command to copy entire directory trees of a directory to another location is
a) diskcopy b) xcopy c) deltree d) None of these

Part- II Fill in the blanks**(15 x 1 Mark = 15 Marks)**

- 11) The wild card characters used in LINUX are and
- 12) The unique address associated with each page on the web is
- 13) 1 GB = MB.
- 14) is a radio standard and communication protocol that exchanges information between devices such as mobile phones, laptops etc.
- 15) First integrated chip was developed by
- 16) USB is a Pin connector.
- 17) is a humanoid robot created by Honda Motor Company.
- 18) A is the smallest element of information used by a computer.
- 19) function key is normally used for help.
- 20) In Simplex mode, data transmission is directional.
- 21) 1's complement of 10101101 is
- 22) $25B_{16}$ =binary.
- 23) is a network device that connects dissimilar network.

- 24) Graphical representation of algorithm is called
- 25) symbol separates username and domain name in an e-mail address.

Part - III State whether true or false

(10 x 1 Mark = 10 Marks)

- 26) Laser Printer is an example of impact printer.
- 27) Logical error can be trapped by the compiler.
- 28) Java is an example of low level language.
- 29) The process of removing errors in a program is called debugging.
- 30) Static RAM does not require 'data refreshing'.
- 31) Data bus is unidirectional.
- 32) UNIVAC was the first commercial computer.
- 33) A language translator is a hardware device.
- 34) Linux has the ability to support multiple virtual desktops.
- 35) The output generated by a printer is generally called soft copy.

Part - IV Expand the following

(10 x 1 Mark = 10 Marks)

- | | |
|----------|----------|
| 36) TCP | 41) VLSI |
| 37) HTTP | 42) USB |
| 38) PAN | 43) CAD |
| 39) BCD | 44) DVD |
| 40) OMR | 45) UPS |

(Part V, Part VI)

Part - V Write short notes on (Any Seven)

(7 x 5 Marks = 35 Marks)

- 46) Five pointing devices.
- 47) Five memory devices.
- 48) Five LINUX commands with examples.
- 49) Five types of computer virus.
- 50) Compare CRT and LCD monitors.
- 51) Repeater and Gateway.
- 52) Language processors.
- 53) Advantages of Network.
- 54) Extranet and Intranet.
- 55) USB and Parallel Port.

Part-VI Explain the following (Any Two)

(2 x 10 Marks = 20 Marks)

- 56) Generation of computers.
- 57) Output devices.
- 58) Network Topology.
- 59) Draw the flowchart for the following program

Read in the Register Number and Mark of a student and to print out the register number, mark and result. The result is based on the following criteria.

If mark is below 40 result = "failed".

If mark is 40 or above but below 60, the result is "Second class".

If mark is 60 or above, the result is "First class".