



KERALA STATE RUTRONIX
Fundamentals of Computer & Operating System
 (CTTC, CPPTTC, CWPDE, PDDTP, PDCFA, DCA, DCA-FT, DOA)

Question code
A1

Time : 2 hours

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) scans a set of vertical bars of different width for specific data.
 a) OMR b) MICR c) Bar-Code Reader d) OCR
- 2) Find the odd one out.
 a) Keyboard b) OMR c) CRT d) Mouse
- 3) The center core of coaxial cable is made of
 a) Glass b) Copper c) Chromium d) Tungsten
- 4) Memories which can be read only are called
 a) ROM b) RAM c) EEPROM d) Dynamic memories
- 5) The radix of Binary number system is
 a) 3 b) 1 c) 4 d) 2
- 6) device is used to boost the signal as it passes along a cable.
 a) Bridge b) Bus c) Hub d) Repeater
- 7) The hardware device used to input text or images into the computer is
 a) Light pen b) Joystick c) Track ball d) Scanner
- 8) is a valid LINUX command.
 a) Rat b) Mouse c) Cat d) Cls
- 9) Rebooting while the computer system is on is known as booting.
 a) Cold b) Warm c) Hibernate d) None of these
- 10) Which of the following storage type is volatile?
 a) Flash memory b) DVD c) RAM d) CD-ROM

Part - II Fill in the blanks

(10 x 1 Mark = 10 Marks)

- 11) Flow chart DSS is a step by step procedure to solve a problem.
- 12) The DOS command used to create text file is
- 13) is a humanoid robot created by Honda Motor Company.
- 14) MICR devices were developed to assist the banking industry in processing large volume of cheques.
- 15) 1's complement of 10101101 is 01010010
- 16) A group of signal paths in CPU is called a
- 17) Microsoft word is an example for Application software.
- 18) First electronic computer in the World is
- 19) Software installed to help prevent hacking is called updating
- 20) A nibble is a group of 4 bits.

Part - III State whether true or false

(10 x 1 Mark = 10 Marks)

- 21) Logical error can be trapped by the compiler.
- 22) Bluetooth is a wireless personal area network.

- 23) LINUX is case sensitive. *True*
- 24) Pen drive is a type of flash memory. *x*
- 25) Line printer is an example of Non-Impact printer. *x*
- 26) The LCD monitor has no picture tube. *✓*
- 27) Joystick is an output device. *x*
- 28) E-mail message received could be forwarded to others without retyping it. *✓*
- 29) PCI video cards are capable of a higher data transfer rate than AGP video cards. *✓*
- 30) OCR is capable of detecting alphanumeric characters. *x*

Part - IV Name the following

(5 x 2 Marks = 10 Marks)

- 31) Any two Computer viruses.
- 32) Any two DOS commands. *DIR,*
- 33) Any two Optical Disk drives. *OCR*
- 34) Any two Search engines. *UC, Yahoo, Google*
- 35) Any two Printers. *line printer*

Part - V Match the following

(5 x 1 Mark = 5 Marks)

- | | |
|-------------------------------------|-----------------------|
| 36) Howard Aiken | Punched Card <i>2</i> |
| 37) Presper Eckert & John W Mauchly | Microsoft <i>2</i> |
| 38) Sun Microsystems | Mark1 <i>1</i> |
| 39) Herman Hollerith | Java <i>5</i> |
| 40) Bill Gates | EDVAC <i>1</i> |

Part - VI Expand the following

(5 x 1 Mark = 5 Marks)

- | | |
|------------|---|
| 41) URL | 44) HTML - <i>Hyper text markup language.</i> |
| 42) DVD | 45) FTP |
| 43) CD-ROM | |

(Part VII, Part VIII എന്നിവയുടെ ഉത്തരങ്ങൾ മലയാളത്തിലും എഴുതാം.)

Part - VII Write short notes on (Any Six)

(6 x 5 Marks = 30 Marks)

- 46) Biometric devices.
- 47) Language Processors.
- 48) Difference between Switch and Router.
- 49) **Five** Pointing devices.
- 50) Any **two** well known Robots.
- 51) Difference between Internet and Intranet.
- 52) Types of Operating system.
- 53) **Five** Internal DOS commands.
- 54) **Five** Window accessories.

Part - VIII Explain the following (Any Two)

(2 x 10 Marks = 20 Marks)

- 55) Output devices.
- 56) Secondary Storage devices.
- 57) Communication Protocols.
- 58) Classification of Computer.