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[Established by Govt. of Kerala]

Fundamentals of Computer & Operating System

(DCA-Fast Track)

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   **(5 x 1 Mark = 5 Marks)**

1) Typically, storage capacity of a DVD optical disk is……………….
   a) 70 MB   b) 4.7 GB   c) 700 MB   d) 70 GB

2) …………...input device is also known as game controller.
   a) Track ball   b) Joy stick   c) Mouse   d) Light pen

3) The fastest computer is ……………..
   a) Super computer b) Laptop computer c) Micro computer d) Mainframe computer

4) PDF is widely used for exchanging ……………
   a) Database files   b) Music files   c) Documents   d) Graphic

5) Dot matrix printer is ……………. type of printer.
   a) Impact   b) Laser   c) Line   d) Non impact

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

6) …………..… is a humanoid robot created by Honda motor company.

7) The combination of Digital and Analog computer is known as ……………..

8) …………… is the first electronic computer in the world.

9) In flowchart, the diamond symbol represents ………..

10) ………….… is a hardware device used to connect several computers together.

11) …………… is a graphical representation of an algorithm.

12) ………….… is a group of 4 bits.

13) The network that covers varoius rooms and buildings in a school or an office is called ……………..

14) The process of buying, selling and marketing products or services over electronic systems through Internet is called ……………

15) …………….. is a wireless personal area network.

16) …………….. is an integrated collection of system program that works as an interface between the user and the hardware devices.

17) …………… virus is also called file virus.

18) A private network inside a company or organization is called …………………..

19) TV broadcasting is an example for ………………. communication.

20) Computer Mouse was invented by ………………

21) ………….. is considered as the father of punched card.

22) 1kB =………….. Bytes.

23) Transistor was introduced in the ……………….. generation computers.

24) The resolution of computer screen is expressed in ……………… per inch.

25) The primary memory of a computer is ……………… (volatile/non-volatile)

Part- III State whether True or False   **(5 x 1 Mark = 5 Marks)**

26) The output generated by a printer is generally called soft copy.

27) Cache memory is a place to store files permanently.

28) Laser printer is an example of impact printer.

29) A gateway is a network device that connects dissimilar networks.

30) A Compiler translates high level language into machine language.

Part - IV Expand the following (Any Ten)   **(10 x 1 Mark = 10 Marks)**

31) AGP

32) FLOPS

33) EEPROM

34) DVD

35) CAD

36) ISDN

37) LCD

38) IP

39) OMR

40) TCP

41) MICR

42) NIC

43) ISP

44) VGA

45) SCSI

Part - V Write short notes on (*Any Nine*)   **(9 x 5 Marks = 45 Marks)**

46) Types of Computer Virus.

47) Language Processors.

48) Type of Networks.

49) 3 modes of Data Transfer.

50) Basic Computer Organization.

51) Generation of computers.

52) Any 2 Communication Protocols.

53) Pointing devices.

54) Robotics.

55) Types of operating systems.

56) Different symbols in Flowchart.

57) Application Software.

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

58) Types of Printers.

59) Memory Devices.

60) Network Topologies.

61) Develop an algorithm and flowchart to convert an integer numerical score (0 to 100) of a student in a particular test into letter grades (A,B,C,D) using the following criteria

Numerical score	Letter grade
Less than 40	D
40 to 59	C
60 to 74	B

| More than 75 | A |