

**Paper Code: A02-01
Subject: Computer Fundamentals**

PART-A

Q.1. Fill in the blanks:

(1x10)

1. PC stands for _____
2. First generation of the computer is from 1942 to _____
3. Base of Octal number system is _____
4. One byte is equal to _____ bits.
5. Full form of ROM is _____
6. Printer is an _____ device.
7. Group of instruction is called a _____
8. www stands for _____
9. DOS stands for _____
10. There are two types of software- System software and _____

Q.2. State True or False:

(1x10)

1. Dot-matrix printer is faster than Laser printer.
2. RAM stands for Random Access Management
3. Third Generation of the computer is from 1964 to 1975.
4. ALU stands for Arithmetic Logic Unit.
5. 1.5 bytes is equal to 16 bits
6. Dennis Ritchie is known as the father of computers
7. Control unit is known as brain of the computer.
8. Versatility is not a characteristic of the computer.
9. TB is a unit of data in computer.
10. LCD stands for Liquid Crystal Display

Q.3. Multiple choice questions:

(1x10)

1. 2 MB is equal to
(a) 2000 KB (b) 2024 KB (c) 2048 KB (d) 2012 KB
2. Which of the following is hazardous for computer?
(a) Virus (b) Trojan (c) Spyware (d) All of these
3. Which of these is not a input device?
(a) Joy Stick (b) Light pen (c) Barcode reader (d) Projector
4. _____ is widely used for assessing the objective examinations involving multiple choice questions.
(a) OMR (b) MICR (c) Bar Code Reader (d) OCR
5. _____ is an intermediary between users and computer hardware.
(a) Operating Environment (b) Operating System (c) System Software (d) Hardware
6. Which section is to perform logic operations such as comparing, selecting, matching, and merging of data?
(a) Arithmetic Section (b) Logic Section (c) Both A and B (d) None of the above
7. Extension of executable files in windows is
(a) .jpg (b) .exl (c) .pdf (d) .exe
8. Which computer is the smaller one.
(a) Mainframe (b) Super computer (c) Micro computer (d) All of these
9. In MS-DOS, MS stands for
(a) Micro system (b) Microsoft (c) Micro Series (d) Micro sync
10. Which of the following can access the server?
(a) User (b) Web Client (c) Web Browser (d) Web Server

PART-B

(Attempt any five questions, each carry equal marks)

- Q.4. (a) Draw a block diagram of basic components of a computer system. Explain each component in detail. (5x2)
(b) Write down any five limitations of computer system.
- Q.5. (a) Explain why software and device drivers are necessary to operate a computer and its hardware parts. (5x2)
(b) Convert the number 1810 to the binary number system.
- Q.6. (a) Differentiate between system software and application software. (5x2)
(b) Differentiate between PROM and EPROM.
- Q.7. (a) Explain the following (i) Assembler (ii) Compiler in detail. (5x2)
(b) Briefly explain the types of computer i.e. Analog computer and Digital computer
- Q.8. (a) Write a program in C language to multiply any two numbers and print the result. (5x2)
(b) Differentiate between Sequential and Direct-Access Devices.
- Q.9. (a) Write and explain any five Input and five output devices. (5x2)
(b) Explain the following
(i) Bourne shell (ii) C shell (iii) Shell variables (iv) Shell Scripts
- Q.10. (a) Explain the following (5x2)
(i) File Transfer (ii) Protocol (iii) Telnet (iv) Usenet
(b) Name and explain any five commands of UNIX operating system.

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