



Standard 11

COMPUTER SCIENCE

Time: 1.30 Hrs.

Marks: 50

PART - I

I. Choose the correct answer:

10 × 1 = 10

- 1) Which of the following is the main memory?
 - a) ROM
 - b) RAM
 - c) Flash drive
 - d) Hard disk
- 2) Identify the input device.
 - a) Printer
 - b) Mouse
 - c) Plotter
 - d) Projector
- 3) For 1101_2 the equivalent Hexa decimal is
 - a) F
 - b) E
 - c) D
 - d) B
- 4) The ASCII value for D is
 - a) 64
 - b) 70
 - c) 66
 - d) 68
- 5) $A+A = ?$
 - a) A
 - b) \bar{A}
 - c) 1
 - d) 0
- 6) Which of the following is a CISC processor?
 - a) Intel P6
 - b) AMD K6
 - c) Pentium III
 - d) Pentium IV
- 7) Which of the following operating system support Mobile devices?
 - a) Windows 7
 - b) Linux
 - c) BOSS
 - d) iOS
- 8) The File Management system used by Linux is
 - a) ext2
 - b) NTFS
 - c) FAT
 - d) NFTS
- 9) Which is the default folder for many windows applications to save your file?
 - a) My Document
 - b) My Pictures
 - c) Documents and Settings
 - d) My Computer
- 10) The shortcut key used to Rename a file is
 - a) F6
 - b) F5
 - c) F4
 - d) F2

PART - II

II. Answer ANY FIVE questions and question no. 16 is compulsory:

5 × 2 = 10

- 11) What is a Computer?
- 12) What is the function of ALU?
- 13) Convert the decimal $(46)_{10}$ to Binary number.
- 14) Draw the Truth table for XOR gate.
- 15) What is HDMI?
- 16) List out any two uses of Operating System.
- 17) How will you Rename a file in Windows?
- 18) Define an Algorithm.

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2

PART - III

III. Answer ANY FIVE questions and question no. 22 is compulsory:
5×3=15

- 19) Name any three output devices.
- 20) Write short note on Impact printers.
- 21) What is the Radix of a number system? Give Example.
- 22) Add: (a) $-22_{10} + 15_{10}$ (b) $20_{10} + 25_{10}$
- 23) Write the De-Morgan's law.
- 24) Write down the Interfaces and ports available in a computer.
- 25) Write a note on Multiprocessing.
- 26) Write the two ways to create a new folder.

PART - IV

IV. Answer the following questions:
3×5=15

27) Explain the basic components of a computer with a neat diagram.

(OR)

Explain the fundamental gates with expression and truth table.

28) Explain the characteristics of Micro processor.

(OR)

Explain the types of ROM.

29) Explain the process Management Algorithms in operating system.

(OR)

Write the versions of Windows operating system.
