



Standard 11

Time: 1.30 Hrs.

COMPUTER SCIENCE

Marks: 35

I. Choose the correct answer:

10×1=10

- 1) Identify the Input Device.
 - a) Projector
 - b) Printer
 - c) Mouse
 - d) Plotter
- 2) Which refers to the number of bits processed by a Computer's CPU?
 - a) Bit
 - b) Byte
 - c) Nibble
 - d) Word Length
- 3) Which gate is called as the logical inverter?
 - a) XNOR
 - b) AND
 - c) OR
 - d) NOT
- 4) Which is the Volatile Memory?
 - a) EPROM
 - b) ROM
 - c) RAM
 - d) PROM
- 5) For 1101_2 the Hexadecimal equivalent is _____.
 - a) C
 - b) A
 - c) D
 - d) B
- 6) File Management manages
 - a) Folders
 - b) Directory systems
 - c) Files
 - d) All the above
- 7) How many level of securities is provided by operating system to the user?
 - a) 3
 - b) 2
 - c) 5
 - d) 4
- 8) In Windows applications which is the default folder to save files?
 - a) My Computer
 - b) My Document
 - c) My Pictures
 - d) Documents and Settings
- 9) How many characters can be handled in Binary Coded Decimal system?
 - a) 128
 - b) 64
 - c) 255
 - d) 256
- 10) Which of the following is a CISC processor?
 - a) Intel P6
 - b) Pentium IV
 - c) Pentium III
 - d) AMDK6

II. Answer ANY THREE Questions. Q.No. 15 is compulsory:

3×2=6

- 11) Write the functions of Control Unit.
- 12) Write the 2's complement procedure.
- 13) Write a short note on NAND Gate.
- 14) What are the different operating systems used in Computer?
- 15) What are the parameters which influence the characteristics of a microprocessor?

III. Answer ANY THREE Questions. Q.No. 20 is compulsory:

3×3=9

- 16) Write the De Morgan's Law.
- 17) Write down the interfaces and ports available in Computer.
- 18) What are the functions of windows operating system?
- 19) Write a note on Recycle Bin.
- 20) List out the key features of Operating System.

IV. Answer all the questions in detail:

2×5=10

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

(OR)

- b) Explain the Derived Gates with expression and Truth Table.

- 22) a) Explain the types of ROM.

(OR)

- b) List out the points to be noted while creating a user interface for an operating system.