

Set I

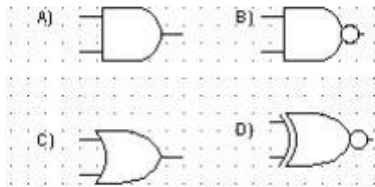
Group-A

Multiple choice Questions

[9x1=9]

Tick the best alternative.

- Which one of the following is an input device?
a) Speaker b) Printer c) Monitor d) Mouse
- Which of the following is NOT a bus type?
a) Address bus b) Data bus c) Memory bus d) Control bus
- How to represent Boolean $F(x, y) = x.y$ in logic gate?



- Which scheduling algorithm allocates the CPU first to the process that requests the CPU first?
a) first-come, first-served scheduling b) priority scheduling
c) shortest job scheduling d) round robin scheduling
- Which operator is used to start for enter the formula in Excel cell?
a) \$ b) @ c) = d) +
- Which looping process checks the test condition at the end of the loop?
a) for b) while c) do-while d) Nested loop
- How to insert an image in web page using HTML tag?
a) `<img=...>` b) ``
c) `` d) ``

- Which image format is best used for photographs and offers a small file size? (U)
a) PNG b) GIF c) BMP d) JPEG
- Which of following is monitors user activity on internet and transmit that information in the background to someone else? (U)
a) Malware b) Spyware c) Adware d) Virus

Group-B

Give short answer to the following questions.

[5x5=25]

- Explain different types of secondary memory of computer system.
OR
Describe the decimal to binary number conversion process with example.
- What are the functions of operating system? Describe.
- Define different types of CSS.
OR
Explain the different components of multimedia.
- Differentiate between the do and while loop.
- Suggest the prevention methods of cybercrime.

Group-C

Give long answer to the following question.

[2x8=16]

- Explain computer architecture with block diagram and functions of its components.
OR
Write a program to input the elements of 4 x 3 matrix and prints its elements properly using array.
- Draw AND, OR, XOR and XNOR gates with truth table and logic gates.

Set II

Group-A

[9x1=9]

Multiple choice Questions

Tick the best alternative.

- Which one of the following is an output device?
a) Mouse b) Keyboard c) MICR d) Projector
- Once we load the suitable program and provide required data, computer does not need human intervention. This feature is known as
a) Accuracy b) Reliability c) Versatility d) Automatic
- ASCII stands for:
a. American Standard Currency for International Interchange
b. American Standard Code for Information Interchange
c. American Standard Codec's for Information Interchange
d. American Standard Code for International Interchange
- Which one of the following is not the basic gate?
a) AND Gate b) OR Gate c) NAND d) NOT
- Which looping process checks the test condition at the beginning of the loop?
a) For b) While c) do-while d) Nested loop
- Ms-Excel is a/an
a) Word Processor Software b) Image Processing Software
c) Spreadsheet Package d) Multimedia Package
- Which of the following is not a multi-user operating system?
a) DOS b) Windows 2003 server
c) LINUX d) UNIX
- Which of the following is a secondary storage device?
a) RAM b) ROM c) CD-ROM d) CPU
- tag is used to break the line in HTML
a) <bl> b)
 c) d) <break>

Group-B

Give short answer to the following questions.

[5x5=25]

- What is bus? Explain the bus architecture with figure.

OR

What is decimal number system? Convert $(745)_8$ into hexadecimal number system.

- What is OS? Explain the role of operating system?
- What is HTML? Explain the basic structure of HTML?

OR

What is multimedia? Explain the application areas of multimedia?

- Explain for and while loop with their syntax, flowchart and example.
- Explain the term cyber-crime, digital divide, anonymity.

Group-C

Give long answer to the following question.

[2x8=16]

- What is computer memory? Explain the primary memory of computer system.

OR

Write a program to input two matrices, add two matrices and display in proper format.

- What is logic gate? Explain any four logic gate with their truth table, graphical symbol, Boolean expression, Venn diagram and definition.

Set III

Group-A

Multiple choice Questions

[9x1=9]

Tick the best alternative.

- How many Bytes make 1 Kilobyte?
a) 1000 b) 10000 c) 1024 d) 512
- Magnetic core memories were used as primary memory in generation computer.
a) First b) Second c) Third d) Fourth
- An integrated circuit is
a) A complicated circuit
b) An integrating device
c) Much costlier than a single transistor
d) Fabricated on a tiny silicon chip
- Which gate is used to find 1's Complement?
a) AND b) OR c) NAND d) NOT
- Which is a logical operator in C?
a) >= b) && c) @ d) %
- Which of the following is not an operating system?
a) Windows b) Linux c) Oracle d) DOS
- Multimedia is widely used to add special ____ to movies.
a) Arrangement b) Attachments c) Control d) Effects
- Which of the following refers to stealing one's idea or invention of others and use it for their own benefits?
a) Piracy b) Plagiarism
c) Intellectual property rights d) All of the above
- The correct sequence of HTML tags for starting a webpage is -
a. Head, Title, HTML, body
b. HTML, Body, Title, Head
c. HTML, Head, Body, Title
d. HTML, Head, Title, Body

Group-B

Give short answer to the following questions.

[5x5=25]

- What is mobile computing? Explain.
OR
What is octal number system? Subtract $(1000111)_2$ from $(1000)_2$ using 2's complement method.
- State and verify distributive law of Boolean algebra.
- What is HTML? Explain any five tags used in HTML.
OR
What is cybercrime? Explain.
- Explain different types of operators used in C.
- Differentiate between CUI and GUI operating system.

Group-C

Give long answer to the following question.

[2x8=16]

- What is an operating system? Explain the functions of OS.
OR
Write a program to input roll, name, age, marks in three different subjects and display roll, name, age and total marks.
- Explain different generations of computer with main components used in each generation.

The End