

D G Khan Board
2019 Class 9th
(Computer)
(Group - I)

1. A transistor that convert assembly language code into machine code is called.

- (A) Compiler
- (B) Assembler
- (C) Interpreter
- (D) Translator

2. Which of the following language is not a high level language?

- (A) FORTRAN
- (B) BASIC
- (C) C++
- (D) ASSEMBLY

3. Which of the following device is not inside the system unit?

- (A) Monitor
- (B) RAM
- (C) CD-ROM
- (D) Hard Disk

4. Which of the following is not an input device?

- (A) Key Board
- (B) Mouse
- (C) Monitor
- (D) Scammer

5. 1 KB is equal to

- (A) 1000 Bytes
- (B) 2^{10} Bytes
- (C) 2^{20} Bytes
- (D) 2^{30} Bytes

6. The Hexa Decimal number of $10_{(16)}$ is equal to

- (A) $10_{(10)}$
- (B) $100_{(10)}$
- (C) 16
- (D) All of above

7. K. Map is used to

- (A) Evaluate Boolean expression
- (B) Simplify Boolean expression
- (C) Both (A) and (B)
- (D) None of these

8. How many types of DOS Commands are?

- (A) 2
- (B) 3
- (C) 4
- (D) 5

9. Which is the extension of sound file?

- (A) .PPT
- (B) .DOC
- (C) .WAV
- (D) .XLS

10. GOOD TIME was a

- (A) Virus
- (B) Anti-virus
- (C) Fake news about the existence of virus
- (D) None of above

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Q. No. 2: Write short answers any four of the following. (2 x 4= 8)

- i. Describe the role of computer in Education.
- ii. Define Machine Language.
- iii. What do you mean by terminal?
- iv. Describe the use of Hollerith's punched cards.
- v. Differentiate between computer hardware and software.
- vi. What is mother board?

Q. No 3: Write short answers of any four of the Following. (2 x 4= 8)

- i. Define Key Board.
- ii. Define ROM.
- iii. LSB and MSB stands for.
- iv. What id low level formatting?
- v. Define information.
- vi. What is octal number system?

Q. No. 4: Write short answers any of four of the following. (2 x 4 = 8)

- i. What is meant by Boolean Function?
- ii. What is an object code?
- iii. Define Disk Operating System (DOS).
- iv. What is start button?
- v. Define Microsoft Windows.
- vi. What is computer virus?

(PART II)

NOTE: Attempt any two questions from this part. (2x 8 = 16)

Q. No. 5: Define CPU, Write a note on ALU and CU (control unit).

Q. No. 6: What is printer? Explain the dotmatrix and line printer.

Q. No. 7: Explain the following logic gates and show their functions using a truth table

(a) AND (b) OR

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1. The third generation computer used

- (A) Vacuum tubes
- (B) ICs
- (C) Transistors
- (D) Microprocessors

2. Mini Computer is

- (A) Faster than micro computer
- (B) Expensive than micro computer
- (C) Smaller than micro computer
- (D) Both A and B

3. The arithmetic/logic unit can perform.

- (A) Addition
- (B) Subtraction
- (C) Multiplication
- (D) All

4. Which printer uses laser beams to burn special ink called toner on the page to create a permanent character.

- (A) Dot matrix
- (B) Daisy wheel
- (C) Laser
- (D) Ink jet

5. 1 MB is equal to

- (A) 2^{10}
- (B) 2^{20}
- (C) 2^{30}
- (D) 2^{40}

6. 2's complement of $0101010_{(2)}$ is

- (A) $1010110_{(2)}$
- (B) $1010101_{(2)}$
- (C) $0000011_{(2)}$
- (D) None

7. A Boolean function with four variable will have maxterms.

- (A) 8
- (B) 16
- (C) 24
- (D) 32

8. DOS

- (A) Is an operating system
- (B) Is not an operating system
- (C) Has graphical user interface
- (D) None

9. Computer virus is simply a

- (A) Disease
- (B) Set of instructions or computer code
- (C) Type of bacteria
- (D) None

10. What is the extension of word file?

- (A) .doc
- (B) xls
- (C) .ppt
- (D) mdb

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Q. No. 2: Write short answers any four of the following. (2 x 4= 8)

- i. Define program.
- ii. Write any two disadvantages of vacuum tube.
- iii. Which technology is used in fourth generation of computer?
- iv. What is meant by punched cards?
- v. Define control unit.
- vi. What is Mother Board?

Q. No 3: Write short answers of any four of the Following. (2 x 4= 8)

- i. What is hard copy output?
- ii. What is meant by rotational delay?
- iii. Why ROM is called non-volatile memory?
- iv. Define data rate.
- v. Define alphanumeric data with examples.
- vi. Convert $011011_{(2)}$ into decimal number system.

Q. No. 4: Write short answers any of four of the following. (2 x 4 = 8)

- i. Define the proposition.
- ii. Define the interpreter.
- iii. What is GUI?
- iv. Define the multi-tasking.
- v. What is the use of internet explorer?
- vi. Write the procedure of shut down the computer.

(PART II)

NOTE: Attempt any two questions from this part. (2x 8 = 16)

Q. No. 5: What is System Bus? Describe three different types of Buses.

Q. No. 6: Define non-impact printer and explain any two non-impact printers.

Q. No. 7: Evaluate the Boolean expression $x\overline{y} + \overline{x}y$ using a truth table.