

# Rawalpindi Board 2019

## Class 9<sup>th</sup>

### Computer Science

#### Group - I

1. Transistor is \_\_\_\_\_ times faster than vacuum tubes:
  - a. 40
  - b. 20
  - c. 10
  - d. 50
2. CPU is commonly called \_\_\_\_ of computer.
  - a. Memory
  - b. Processor
  - c. Disk
  - d. Mother board
3. CPU is commonly called \_\_\_\_\_ of computer.
  - a. Brain
  - b. Input
  - c. Output
  - d. Program
4. Hard disk is a \_\_\_\_ Disk.
  - a. Optical
  - b. Magnetic
  - c. Read only
  - d. Random Access
5. Collection of 8-bits is known as.
  - a. Byte
  - b. Nibble
  - c. Character
  - d. Mega byte

6. Which is volatile memory
- Rom
  - CD
  - RAM
  - Hard Disk
7. Decimal number system has \_\_\_ digits .
- 8
  - 10
  - 16
  - 2
8. In Boolean Algebra "OR" operation is denoted by:
- \*
  - /
  - +
  - .
9. The types of software are:
- Two
  - .Three
  - Four
  - Five
10. Which is extension of Microsoft word document
- .ppt
  - .xls
  - .doc
  - .way

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### Computer Science

#### Group - II

1. **Window\_\_\_\_\_:**
  - a. Has a GUL
  - b. Is not an operating system
  - c. Is a complier
  - d. is a device
2. **Good time was a:**
  - a. Virus
  - b. Antivirus
  - c. Fake news
  - d. Hardware
3. **The third generation computer use:**
  - a. Vaccum tubes
  - b. IC's
  - c. Transistors
  - d. Microprocessor
4. **USB port us used to connect how many devices?**
  - a. 125
  - b. 126
  - c. 127
  - d. 128
5. **Which port is used to connect printer with the computer?**
  - a. Serial
  - b. Parallel
  - c. HDMI
  - d. VDO

**6. Which one of the following is not an output device?**

- a. Scanner
- b. Printer
- c. Monitor
- d. Speaker

**7. Standard size of floppy disk is:**

- a.  $4\frac{1}{2}$
- b.  $2\frac{1}{2}$
- c.  $3\frac{1}{2}$
- d.  $6\frac{1}{2}$

**8. One nibble is equal to:**

- a. 2 bits
- b. 4 bits
- c. 8 bits
- d. 16 bits

**9. The base of Binary number system is:**

- a. 2
- b. 8
- c. 10
- d. 16

**10. Boolean Algebra was invented in:**

- a. 1847 A.D
- b. 21947 A.D
- c. 1857 A.D
- d. 1957 A.D

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### Computer Science

#### Group - I

**Q # 2: Write short answers to any FOUR (4) questions:**

- i. Define computer.
- ii. Define compiler
- iii. What is meant by computer hardware?
- iv. Write a brief note on Data bus.
- v. What is the function of Arithmetic and logic unit (ALU)
- vi. Write a note on USB ports.

**Q # 3: Write short answers to any FOUR (4) questions:**

- i. What is meant by input devices?
- ii. Define Main memory.
- iii. What is meant by PROM?
- iv. What is meant by Data Rate?
- v. What is meant by Data?
- vi. Define BCD code.

**Q # 4: Write short answers to any FOUR (4) questions:**

- i. Define the preposition.
- ii. Describe "OR" operation by truth table.
- iii. What is used of CD command?
- iv. Describe the internal DOS command.
- v. Define the file extension.
- vi. What is Antivirus?

#### Part-II

**Note: Attempt any two Questions.**

Q 5: Write a note any two classification of computers. 8

Q 6: Define Monitor and describe its types with respect to structure. 8

Q 7: Calculate  $45-63$  using 8 bits 1's complement.

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### Computer Science

#### Group - II

**Q # 2: Write short answers to any FOUR (4) questions:**

- i. Write a brief note on ENIAC.
- ii. What is meant by VON Neumann theory?
- iii. Write the names of two types of computer software.
- iv. What is meant by ALU?
- v. Define data bus.
- vi. Define serial port.

**Q # 3: Write short answers to any FOUR (4) questions:**

- i. What is the use of keyboard?
- ii. How does SRAM differ from DRAM?
- iii. What is meant by formatting?
- iv. Define ROM.
- v. What is Unicode?
- vi. Define alphanumeric data.

**Q # 4: Write short answers to any FOUR (4) questions:**

- i. What is called proposition?
- ii. Describe duality principle
- iii. Why CD command used?
- iv. Describe major tasks of DOS.
- v. How computer does gets virus?
- vi. Write the procedure to rename of file.

#### Part-II

**Note: Attempt any two Questions.**

Q 5: What is language translator? Explain the types of language translators.

Q 6: Define plotter and explain its any two types.

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Q 7: Solve  $(-54-30)$  1's complement method.

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