

**DELHI PUBLIC SCHOOL JAMMU**  
**Revision Sheet for Cycle Test 1 (2018-19)**

**Class-XI**

**Sub.- Computer Science**

**TOPIC:**

- **COMPUTER OVERVIEW**
- **WORKING WITH OPERATING SYSTEM**
- **DATA REPRESENTATION**
- **MICROPROCESSOR BASICS: INPUT, OUTPUT AND MEMORY DEVICES**

**SECTION A (SHORT TYPE QUESTIONS)**

1. Why binary language is often termed as machine language? Why is machine language required?
2. What are the two categories of printers? Which type of printer is more speedy?
3. What are different types of computer monitors? Explain.
4. Conversion:
  - i)  $EB4A_{16}$  to decimal
  - ii)  $1101.000101_2$  to decimal
5. Express -17 and -4 in two's complement form.
6. Explain briefly volatile and non-volatile memory.
7. Conversions:
  - a)  $72905_{10}$  to hexadecimal.
  - b)  $EB4A_{16}$  to decimal
  - c)  $FACE_{16}$  to binary.
  - d)  $11111011110101_2$  to Octal.
8. List three devices that are contained inside the computer case.

**SECTION B (LONG TYPE QUESTIONS)**

9. Give example for each of system software and application software. Explain the function of each type.
10. List and describe the elements that each hardware input, output or storage device requires. What are the different types of computer monitors?
11. What are supercomputers and for what purposes are they used?
12. What functions are performed by an operating system as a resource manager?

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