

INTERNATIONAL INDIAN SCHOOL BURAI DAH

WORKSHEET (2024-2025)

Class: XI A/B

Subject - Code: COMPUTER SCIENCE-083

(L1,L2,L6)

I. SECTION A

1. The Arithmetic Logic Unit performs which arithmetical operation?
a) +, -, *, / b) True, False c) <, >, =, >=, <> d) All
2. When we work on any document on PC, it is stored temporarily in _____ memory.
a) RAM b) ROM c) CPU d) CD – ROM
3. Smallest measurement unit of computer memory is?
a) MB b) bit c) Byte d) KB
4. Arrange the following measurement units of memory in ascending order as per their storage capacity?
Byte, MB, GB, KB.
a) 1,2,3,4 b) 4,3,2,1 c) 1,4,2,3 d) 1,4,3,2
5. A set of instructions that a computer needs to carry out its tasks is known as _____.
a) Data b) Program c) Software d) Operating system
6. Which of the following is not an operating system?
a) Windows b) Linux c) Oracle d) DOS
7. Which of the following is not application software?
a) Windows 7 b) WordPad c) Photoshop d) MS-excel
8. What is the octal number 4307 expressed in the decimal system?
a) 2247 b) 2347 c) 2447 d) 2547

(ASSERTION AND REASONING based questions)

Write the correct choice as:

- i. Both A and R are true and R is the correct explanation for A**
- ii. Both A and R are true but R is not the correct explanation for A**
- iii. A is True but R is False**
- iv. A is false but R is True**

9. Assertion (A): The system software is set of program which takes care of all the activities of a computer system.

Reason (R): The system software is designed by the manufacturers in low level languages to

serve as an interface between the user and the computer. **Answer:**

10. Assertion (A): An application software is designed to run the computer system smoothly and effectively.

Reason(R): An application software is the set of programs to fulfil the specific needs of them user.

The Microsoft Office package includes some well-known application software such as MS-Word, MS-Excel, MS-Power Point, MS-Access to perform specific task. **Answer:**

II. SECTION B

1. Given that A's code point in ASCII is 65. What is the binary and hexadecimal representation of 'A' in ASCII?
2. Differentiate between RAM and ROM.
3. Convert the following
 - a) $(19)_{10} = ()_2$
 - b) $(161)_{10} = ()_8$
 - c) $(2352)_{10} = ()_{16}$
 - d) $(705)_8 = ()_2$
 - e) $(10101100)_2 = ()_8$

III. SECTION C

1. Explain with examples- System Software, Utility Software and Application Software.
2. Write short notes on Assembler, Compiler and Interpreter.

IV. SECTION D-Programming

A).Predict the output of the following code snippets.

1.

```
print("We are the students-")
print()
print("IISB")
```
2.

```
#print(this is a python program)
print("Take every chance","drop fear")
print("*****")
```
3.

```
Print("Hello')
```
4.

```
print("Hello, World!")
```
5.

```
print('A','B',end=',')
print('C','D',end='*')
print('E','F')
print('G')
```