GRADE 7

CHAPTER -1

COMPUTER SOFTWARE

Q1. Define operating system.

Ans: An operating system is a software that controls the overall activity of a computer system. It provides an interface between the user and the computer hardware.

Q2. What are the types of system software?

Ans: System software is of three types.

1. **Operating System**
2. **Utility Programs**
3. **Language Processors.**

Q3.Name some operating systems used nowadays.

Ans: Operating systems used nowadays are Android, Microsoft Windows , Mac OS X and Windows Phone.

Q4.Who is known as the father of Java programming language?

Ans: James A. Gosling is known as the father of Java programming language.

Q5.What is a language processor? What are the various types?

Ans: A language processor is also known as a language translator. It is used to convert the high level language into machine language.

There are 3 types of language processors

1. **Interpreter**
2. **Compiler**
3. **Assembler.**

Q6. Differentiate between high level and low level language.

Ans:

High level	Low level
1.Easier to write	1.Difficult to write
2.Easier to test/debug	2. Difficult to test/debug
3.Processing speed is slow	3.Processing speed is usually fast
4.C++,Java are high level languages	4.Assembly languages, machine languages

Q7. What do you mean by DBMS?

Ans: DBMS is a collection of data and other related information of a database. It is used to handle large amount of data stored in a database.

Eg: Microsoft Access

Q8. What do you understand by application software? What are its various types?

Ans: Application software is used to perform operations for a specific task. Application software are mainly of two types.

1. **Packages**
2. **Customized software.**

Q9.What are the advantages of using high level languages?

Ans: The advantages are

1.Instruction are similar to English which makes high level languages easy to understand.

2. It is easy to write, correct and test programs written in high level language.

3.Programs written in high level languages can be executed in different computers.

Q10. What are utility programs? Mention any four utilities and discuss their importance.

Ans: A utility program is a system software that improves the operation of an operating system by providing additional and specialized functionality to it.

The four utilities are

1. **Backup Utility :It allows you to take the backup copy of data or information in a disk.**
2. **Antivirus:It scans for computer viruses .**
3. **Data Compression:It can compress the contents of a disk.**
4. **Network Utilities: It analyses the computers network connectivity.**

Q11. What do you mean by customized software?Explain with example.

Ans: A Customized software is made as per the specific requirements of an organization.

Eg: Software made for banks ,schools ,shops etc.

Q12.What are the different tasks performed by an operating system?

1.Operating system manages the system resources.

2.It manages the transfer of data to and from various peripherals such as keyboard, mouse, scanner and printer.

3. Operating system manages the system security and performance.

4. It provides a way for Application software to communicate with the hardware.