

**GLS UNIVERSITY**  
**FCAIT**  
**BCA SEM - III**  
**Subject : Fundamentals Of Operating system**  
**Subject Code : 0301304**

**Q-1 Fill in the blanks -**

1. \_\_\_\_\_ is a collection of related information.
2. User can see \_\_\_\_\_ view of the file.
3. F2FS stands for \_\_\_\_\_.
4. A file is a sequence of block and all i/o operations are performed in terms of blocks called \_\_\_\_\_.
5. All the file name has two parts, separated by a \_\_\_\_\_
6. Second part of the file name is known as \_\_\_\_\_
7. Regular files may be either of \_\_\_\_\_ or \_\_\_\_\_ type.
8. \_\_\_\_\_ is a mobile operating system created and developed by Apple Inc. exclusively for its hardware.
9. The latest version of android is called \_\_\_\_\_.
10. Windows mobile is a compact mobile operating system developed by \_\_\_\_\_.

**Q-2 Answer the Following Question -**

1. Explain Internal File Structure with Record Blocking
2. Explain First Come First Server (FCFS) Disk Scheduling algorithms with diagram.
3. Explain Shortest Seek Time Next (SSTN) Disk Scheduling algorithms with diagram
4. Explain SCAN Disk Scheduling algorithms with diagram.
5. Describe the history of android operating system.
6. Explain SSD file systems.
7. Explain Windows operating system.
8. Explain SSD with its structure. How it is different from HDD.
9. Write short note about IOS operating system.
10. Write a note on file access methods.

**Note: Q1 is compulsory for all. You have to attempt Q-2 in following sequence -**

| Roll No                                 | Question Numbers from both section |
|---|------------------------------------|
| A1 to A10, B1 to B10 & C1 to C10        | 1,3,10                             |
| A11 to A20, B11 to B20 & C11 to C20     | 2,3,10                             |
| A21 to A30, B21 to B30 & C21 to C30     | 3,2,10                             |
| A31 to A40, B31 to B40 & C31 to C40     | 4,3,10                             |
| A41 to A50, B41 to B50 & C41 to C50     | 5,3,10                             |
| A51 to A60, B51 to B60 & C51 to C60     | 6,10,3                             |
| A61 to A70, B61 to B70 & C61 to C70     | 7,10,3                             |
| A71 to A80, B71 to B80 & C71 to C80     | 8,10,3                             |
| A81 to A90, B81 to B90 & C81 to C90     | 9,10,3                             |
| A91 Onwards , B91 Onwards & C91 Onwards | 10,2,3                             |