

**Padasalai's - COMPUTER SCIENCE****Marks : 50****Std : XI*****Ln-4 Theoretical concepts of Operating System*****Time : 1.30 hrs*****I. Choose the correct answer:******15x1=15***

1. Which of the following is not a function of an operating system?  
a) Process management                      b) Memory management  
c) Compiler management                      d) Security management
2. Which is interface between the user and hardware?  
a) Application software      b) Operating system                      c) Hard drive                      d) Input devices
3. Which of the following is not a multiuser operating system?  
a) Unix                                      b) Linux                                      c) Windows                                      d) None of these
4. Which algorithm is based on queuing technique?  
a) SJF                                      b) FIFO                                      c) Round Robin                                      d) LIFO
5. Which is not a proprietary license operating system?  
a) Microsoft Windows      b) Apple Mac OS      c) Apple iOS                      d) Linux
6. Who developed Linux?  
a) Ken Thompson                      b) Dennis Ritchie      c) Apple                      d) Linus Torvalds
7. File management manages  
a) Files                                      b) Folders                                      c) Directory systems                                      d) All the above
8. Which operating system was developed by Google?  
a) Android                      b) iOS                                      c) Windows                                      d) Unix
9. Which of the following are stored by FAT?  
a) File name                      b) Access mode                      c) Type                                      d) All the above
10. Which operating system is used to access shared data and files that reside any machine around the world?  
a) Real time                      b) Multiuser                      c) Multiprocessor                      d) Distributed
11. Which operating system is a windows alternative open source?  
a) Android                      b) iOS                                      c) React OS                                      d) Mac OS
12. Which of the following refers to Android operating system version?  
a) Jelly Bean                      b) Ubuntu                                      c) OS/2                                      d) Mittika
13. The second most popular mobile operating system globally after Android is  
a) Alpha                                      b) Nought                                      c) iPhone OS                                      d) Beta
14. Expansion of NTFS is  
a) Next Generation Format System                      b) Next Generation File System  
c) New Generation File System                      d) New Generation Format System
15. Which network of computers designed for a specific group of users?  
a) Internet                      b) Extranet                                      c) Intranet                                      d) None of these

***II. Answer any 5 questions. Q.No.20 is compulsory.******5x2=10***

16. What is GUI?
17. What are the objectives of memory management by operating system?
18. Write the classification of processes in operating system.
19. Write a note on UNIX.
20. Write about iOS.
21. List out the different distributions of Linux operating system.

***III. Answer any 5 questions. Q.No.26 is compulsory.******5x3=15***

22. Explain the types of software.
23. What are the points are considered when user interface is designed for an application?
24. Write a note on time sharing.

25. Write about Android.

26. Explain the types of operating system.

27. What are the difference between Windows and Linux operating system?

**IV. Answer the following questions:**

**2x5=10**

28. Explain the process management in operating system.

(OR)

Explain about security management and file management.

29. Explain the concepts of a distributed operating system.

(OR)

What is the need for operating system? Write its uses.

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