

- (vii) OS is stated to provide platform to run
a) system software
b) application software
c) Both of these
d) None of these
- (viii) DOS is defined as
a) frame bit
b) page number
c) system software
d) none
- (ix) Which one of the following error will be stated by the operating system?
a) power failure
b) lack of paper in printer
c) connection failure in the network
d) all of the mentioned
- (x) To access the services of operating system, the interface is differentiated as
a) System calls
b) API
c) Library
d) Assembly instructions
- (xi) Example of single user single tasking os is identified as
a) LINUX
b) WINDOWS
c) DOS
d) None
- (xii) Choose the language used for synchronization methods for synchronization
a) C
b) C++
c) Ada
d) JAVA
- (xiii) Example of mutually exclusive resource is developed as
a) RAM
b) Printer
c) Both RAM and Printer
d) None
- (xiv) For Mutual exclusion choose one to prevail in the system
a) at least one resource must be held in a non-sharable mode
b) the processor must be a uniprocessor rather than a multiprocessor
c) there must be at least one resource in a sharable mode
d) all of the mentioned
- (xv) For sharable resources, mutual exclusion relates to
a) is required
b) is not required
c) maybe or may not be required
d) none of the mentioned

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Explain the Bankers algorithm (3)
3. Explain the process scheduling in multiprocessor operating systems (3)
4. Justify that the absence of circular wait implies no deadlock (3)
5. Explain the run time issues in mobile operating systems (3)
6. Describe the page replacement policies in Operating system (3)

OR

Describe the free space management (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Report about different deadlock avoidance process (5)
8. Explain process state diagram with proper diagram. (5)
9. Explain Context Switching. (5)
10. Explain scheduling criteria. (5)
11. Describe the various types of os. (5)

12. Summarize the process synchronisation in multi processor systems

OR

Summarize the principles of information security

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(5)

(5)

