

Seat No.

January - February (Winter) Examination - 2023

Subject Name: B.C.A. (CBCS)_80869_Operating System_25.01.2023_10.30 AM To 01.30 PM

Subject Code: 80869

Day and Date: Wednesday, 25-01-2023

Time: 10:30 am to 01:30 pm

Total

Mark

s: 70

Instructions.:

1) Figures to the right indicate full marks

Special Instruction.:

Que. 1 and Que. 6 are compulsory. Attempt any three questions from Que. 2 to Que.

5.

Q.1. A) Choose correct option

[20]

10

1. The primary function of an operating system is

- a) Memory Management
- b) Process Management
- c) Disks and I/O device Management
- d) All of the above

2. Which one of the following is not an operating system?

- a) UNIX
- b) Windows
- c) MAC
- d) APPLE

3. The core of UNIX operating system is called

- a) Kernel
- b) Karnel
- c) Kannal
- d) None of the above

4. . OS stands for

- a) Operating solve
- b) Open Source
- c) Open System
- d) Operating system

5. Virtual memory is.....

- a) Large secondary memory
- b) Large main memory
- c) Illusion of main memory
- d) None of above

6. Client server OS provides-----services.

- a) Email Server
- b) Database Server
- c) Web Server
- d) All Of These

7. The operating system is an interface between_____.

- a) User and Computer
- b) Network and Software
- c) One user to another user
- d) All of the these

8. To create a file _____

- a) allocate the space in file system
- b) make an entry for new file in directory
- c) allocate the space in file system & make an entry for new file in directory
- d) none of the mentioned

9. File type can be represented by _____

- a) file name
- b) file extension
- c) file identifier
- d) none of the mentioned

10. A process that has terminated but whose parent has not yet called wait() is known as a process.

- a) Zombie
- b) Orphan
- c) Terminated
- d) None of above

B) Write short answers (Any two)

10

1. Write down different functions of OS.

2. Write down process state in detail.

3. Differentiate between windows and Linux OS.

- Q.2. What is operating system? Explain any two types of operating systems. [10]
- Q.3. What is process management? Discuss process model. [10]
- Q.4. Explain in detail any two ways of memory partition. [10]
- Q.5. What is directories? Explain single level and hierarchical directory system. [10]

Q.6. Write short note on (Any Four)

[20]

- 1. Generations of OS**
- 2. Process creation and termination**
- 3. Segmentation**
- 4. Path name and directory operation**
- 5. Process hierarchy**
- 6. Client server structure**

26