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SUBJECT CODE NO: -BB-2335
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (CBCGS) (Pattern 2022) F.Y SEM I
Examination November / December 2025
Computer Science Paper-II Operating System

[Time: 1:30 Hours]**[Max. Marks: 40]**

Please check whether you have got the right question paper.

N. B

- (1) All questions are compulsory
 (2) All questions carry equal marks

- Q1 a. What are Virtual and shared devices? Explain in detail. **10**
OR
 a. State the characteristics of modern OS. **05**
 b. Explain time sharing operating system. **05**
- Q2 a. Explain the role of operating system as resource manager. **10**
OR
 a. What are different states of process life cycle? **05**
 b. Explain logical and physical address space **05**
- Q3 Write short notes on (Any two) **10**
- a. Simple batch system.
 b. Structure of OS.
 c. Critical Section.
 d. Disk Fundamentals.
- Q4 Multiple Choice Questions: **10**
1. In computer system, _____ is an interface between user and hardware.
 a) Application S/W b) Antivirus c) Operating system d) MS-Word
2. _____ is a light weight process in operating system.
 a) Function b) Thread c) Program d) structure
3. In _____ state, process is all prepared for CPU for execution
 a) New b) Ready c) Running d) Waiting
4. _____ allocation reserves devices to process as per its requirements
 a) random b) one time c) static d) dynamic

5. _____ is a small amount of memory used to store recently used data.
a) SRAM b) Cache c) ROM d) RAM
6. To avoid a process from entering in critical section, _____ are used.
a) Semaphores b) scheduler c) deadlock d) Paging
7. In OS, _____ management primarily deals with execution of programs.
a) device b) process c) file d) memory
8. _____ is NOT the example of operating system.
a) Windows b) Linux c) Android d) Ms-Office
9. In _____ state, two or more processes wait for each other's resources.
a) Running b) New c) Ready d) Deadlock
10. In OS, Page Map Table is used in _____ management.
a) Device b) Process c) Memory d) Device

