



PAPER ID-421311

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Subject Code: KCA203

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**MCA**  
**(SEM II) THEORY EXAMINATION 2021-22**  
**OPERATING SYSTEMS**

**Time: 3 Hours****Total Marks: 100****Note:** Attempt all Sections. If you require any missing data, then choose suitably.**SECTION A****1. Attempt all questions in brief.****2x10 = 20**

Qno	Questions	CO
(a)	Describe all operating system services.	1
(b)	Define timesharing differ from multiprogramming? If so, how?	1

**SECTION B****2. Attempt any three of the following:****10x3 = 30**

Qno	Questions	CO
(a)	Describe operating system functions. Also, explain monolithic, and microkernel systems.	1

**SECTION C****3. Attempt any one part of the following:****10x1 = 10**

Qno	Questions	CO
(a)	Explain the following terms and their working with diagram i) Buffering ii) Spooling iii) Time sharing iv) Distributed system	1
(b)	Differentiate between multiprocessor, multiuser, and Batch operating system.	1