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X—174—2019

FACULTY OF SCIENCE

B.Sc. (Second Year) (Third Semester) (Regular) EXAMINATION

OCTOBER/NOVEMBER, 2019

(CBCS Pattern)

COMPUTER SCIENCE

Paper VI

(Operating System)

(Tuesday, 26-11-2019)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—40

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

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| 1. | Discuss operating system structure in detail. | 15 |
| | <i>Or</i> | |
| (a) | Explain types of system calls. | 8 |
| (b) | Describe operating system services. | 7 |
| 2. | Explain communication in client-server system in detail. | 15 |
| | <i>Or</i> | |
| (a) | What is file sharing ? Explain in detail. | 8 |
| (b) | Explain implementation of access control. | 7 |
| 3. | Write short notes on (any two) : | 10 |
| (a) | Distributed systems | |
| (b) | Inter-process communication | |
| (c) | File system mounting | |
| (d) | Goals of protection. | |

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