

DD-323

M.Sc. 1st Semester ATKT Examination, March-April 2021

COMPUTER SCIENCE

Paper - II

Advanced Operating System

Time: Three Hours] [Maximum Marks: 100

[Minimum Pass Marks: 40

Note: Answer any **two** parts from each question. All questions carry equal marks.

Unit-I

- 1. (a) Discuss in detail about Batch processing.
 - (b) Explain operating system view as supervision service control.
 - (c) Write short notes on the following:
 - (i) Protection in memory management
 - (ii) Time sharing operating system

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(Turn Over)

Unit-II

- **2.** (a) Explain about multithreaded operating system.
 - (b) Discuss about multiprocessor and distributed process.
 - (c) Write short notes on the following:
 - (i) Virtual 8086 mode
 - (ii) Client server architecture

Unit-III

- **3.** (a) Describe about virtual memory architecture using in Pentium group processor.
 - (b) What is shared memory?
 - (c) Describe transaction look a side buffers and its usage.

Unit-IV

- **4.** (a) What is the use of device driver? Explain dynamic loading and uploading of device drivers.
 - (b) What is the use of device switch table?
 - (c) Write a note on driver code.

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(Continued)

(3)

Unit-V

5. (a) Explain about v-node architecture.

(b) Explain about distrubuted file system.

(c) Explain about remote procedure call.