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

(2)

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.

DRG_79_(3) *(Continued)*

(3)

Unit-V

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

    (*b*) Explain about distrubuted file system.

    (*c*) Explain about remote procedure call.

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