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Exam. Code : 103203 Subject Code : 1095

B.A./B.Sc. 3rd Semester COMPUTER APPLICATION (Operating System)

Time Allowed—3 Hours] [Maximum Marks—75

Note:—Attempt any five questions.

1. (a) What is an operating system? How has it evolved? Explain the concepts of compiler and interpreter.

7.5

(b) What is the difference between a preemptive and non-preemptive scheduling algorithms? Explain FCFS scheduling algorithm. Find the average turnaround time and average waiting time for the processes given in the table below:

Process	CPU burst time (in ms)	F019 E.1
P1	24	
P2	Parameter 3 a percentage as	
P3	3	7.5

- 2. Differentiate the following with examples:—
 - (i) Preemptive and non-preemptive scheduling
 - (ii) I/O bound and CPU bound
 - (iii) Scheduler and dispatcher. 15

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(Contd.)

3. (a) What is the concept of a file? What is its importance

and Public?

(b) How will you set permissions for Owner, Group

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