Operating System (CSC 330)

BSCS- 5ᵗʰ A

Bahria University Discovering Knowledge	**Department of Computer Science** **Bahria University, Lahore Campus**

<u>**Assignment No 4**</u>

Due Date: **Total marks =   5**

Name: **Roll No:**

CLOs
CLO3: Analyze the algorithms of the core functions of Operating Systems and explain the major performance issues with respect to the core functions.

Guidelines:

- Assignments are strictly individual (not in groups).
- Assignments should be clear, concise, and to the point.
- Sharing assignment ideas, copying the content, and solution is permissible with your class fellows (if anyone found with such case, maximum marks of any member will be divided by number of persons who copied with each other).
- Please submit the assignment as per the given deadline. Late submitters will be penalized.
- Submit the scanned copy at LMS on or before due date.

Marks Evaluation Criteria:

Feature	Assessment Criteria	Marks
Present ability	The assignment is clean, properly formatted, table of contents, title page contains the name/logo of the institute, submitter's name, teacher's name.	0.5
Assignment Content	Questions solved correctly and presented effectively.	4
Deadline Met	Assignments are submitted within a given deadline.	0.5
Deadline Missed	Assignment deadline is missed **/** and submitted late.	-0.5 **/** and -0.5 per day

Question – 1:

You are supposed to choose any of the six algorithms of Operating System (maximum two from any topic such as from CPU Scheduling Schemes, Process Synchronization, Threads, Memory Management Techniques, or Virtual Memory techniques). Search for the relevant simulation tools that help you to schedule the processes or threads for CPU scheduling scheme, or to implement the memory management, or virtual memory techniques visually (as discussed so far in our regular session).

Once you perform the simulation, you are required to analyze each technique and justify your analysis in your own words in terms of resources utilization, performance, and efficiency.

Do your own, some One is watching!

Best of Luck!