

Operating System

বিগত বিসিএস পরীক্ষায় আসা অপারেটিং সিস্টেম -এর প্রশ্নসমূহ

SL	Question
1	What is pipelining? How does pipeline implementation make faster instruction execution? [BCS – 38 <sup>th</sup> (ICT)]
2	What are the steps that occur when an interrupt is processed . [BCS – 38 <sup>th</sup> (ICT)]
3	What is operating system? Why do we need operating system? [BCS – 38 <sup>th</sup> (ICT)]
4	What is deadlock? Describe the way of detecting and protecting deadlock. [BCS – 38 <sup>th</sup> (ICT)]
5	(a)What is the difference between preemptive and non-preemptive scheduling (b) What is aging? Why it is used in OS ? [BCS – 37 <sup>th</sup> (ICT)]
6	What is Race Condition? How to remove this ? [BCS – 36 <sup>th</sup> (ICT)]
7	Explain how Parallel Processing does work? [BCS – 36 <sup>th</sup> (ICT)]
8	What is interrupt Controller? [BCS – 36 <sup>th</sup> (ICT)]
9	Explain Banker's Algorithm for Deadlock handling. [BCS – 36 <sup>th</sup> (ICT)]
10	Distinguish between paging & Segmentation. [BCS – 36 <sup>th</sup> (ICT)]
11	অপারেটিং সিস্টেম এ Deadlock এর সংজ্ঞা দিন। একটি Deadlock situation দেখানোর জন্য একটি সঠিক diagram অংকন করুন ও সংক্ষিপ্তভাবে আলোচনা করুন। 8 [45 <sup>th</sup> BCS]

অন্যান্য প্রশ্ন সাজেশনঃ

SL	Question
1	What is boot loader? Why it is used?
2	Differentiate between multiprogramming and multi-processing.
3	What is semaphores? How readers writer problem can be solved with semaphore explain.
4	Why it is generally correct to favor I/O bound process over CPU.
5	Given an initial sets of batch jobs show that the shortest job first minimizes the turn-around time.
6	Why Page table is used in Operating System.
7	What are the difference between process and thread?
8	What are the steps that occur when an interrupt is processed?
9	What are the differences between process and thread?
10	When is page fault occurred? Explain LRU algorithm for handling page fault.
11	What do you mean by virtual memory?
12	Explain Paging & Segmentation.
13	Scheduling Algorithm (FCFS, SJF, SRTF, RR, PS)
14	Page Replacement Algorithm (FIFO, LIFO, LRU)
15	Four Conditions of Deadlock, Shell & Kernel