

CBSE NET JUNE 2012 PAPER II

Q. Consider the following page trace :

4, 3, 2, 1, 4, 3, 5, 4, 3, 2, 1, 5

Percentage of page fault that would occur if FIFO page replacement algorithm is used with number of frames for the JOB $m = 4$ will be

- (A) 8
- (B) 9
- (C) 10
- (D) 12

Ans: (C)

Explanation: F shows page fault using FIFO page replacement algorithm.

In FIFO algorithm we see the elements which enter first in the memory, have to out first.

4	3	2	1	4	3	5	4	3	2	1	5
4	4	4	4	4	4	5	5	5	5	1	1
	3	3	3	3	3	3	4	4	4	4	5
		2	2	2	2	2	2	3	3	3	3
			1	1	1	1	1	1	2	2	2
F	F	F	F	H	H	F	F	F	F	F	F

Related posts:

1. CBSE NET 2004 38
2. Cbse net 2004 37

3. Cbse net 2004
4. CBSE Net 2017
5. Ugc net 2017 solved
6. NET 4
7. NET 1
8. Net 28
9. Net 26
10. Net 50
11. Net 49
12. Net 48
13. Net 46
14. Net 40
15. Net 39
16. Operating System: A List of Video Lectures RGPV Notes
17. GATE, Context switch calculation in SRTF algorithm | Prof. Jayesh Umre
18. Net 42
19. Introduction to Operating Systems
20. Different Types of OS
21. Characteristics and features of an OS
22. Operating systems services
23. System Calls in OS
24. File Systems
25. How many page faults
26. Process State Diagram
27. Operating System Scheduler
28. FIFO page replacement algorithm
29. LRU page replacement algorithms

30. Optimal page replacement algorithm
31. SRTF shortest remaining time first
32. OS 4
33. OS 3
34. Os 2
35. Os 1
36. Net 14
37. Net 13
38. Net 12
39. Net 11
40. Net 10
41. Net 9
42. Net 9
43. Net 8
44. Net 7
45. Net 6
46. Net 5
47. NET 3
48. NET 2
49. Net 35
50. Net 34
51. Net 33
52. Net 32
53. Net 31
54. Net 29
55. Net 30
56. Net 27

- 57. Net 52
- 58. Net 51
- 59. Net 47
- 60. Net 45
- 61. Net 43
- 62. Net 41
- 63. Net 38
- 64. Net 37
- 65. Net 36
- 66. UGC NET November 2017 Paper II
- 67. GATE, Longest Remaining Time First Algorithm | Prof. Jayesh Umre
- 68. GATE SRTF | What is the total waiting time for process P2?
- 69. GATE Calculate Total Waiting Time SRTF algorithm | Prof. Jayesh Umre
- 70. Memory management
- 71. Concept of Threads
- 72. Process concept
- 73. Directory Structure OS
- 74. Contiguous disk space allocation method
- 75. File systems
- 76. Types of os
- 77. Evolution of os
- 78. Functions of os
- 79. Why is operating system a mandatory software?
- 80. UGC NET CS Paper 2 June 2012
- 81. Readers Writes Problem | UGC NET Dec 2018
- 82. Suppose a system has 12 instances | UGC NET Dec 2018
- 83. Data warehouse | UGC NET Dec 2018

84. Bankers algorithm problems
85. Diploma Linux Unit 3
86. RGPV Diploma Linnux Unit 2
87. Program to print string in reverse order
88. Program to implement while loop in Linux
89. Program to implement for loop using sequence keyword in Liux
90. Program to implement different types of increment in Linux
91. For loop without in keyword in Linux
92. Program to implement for loop using in keyword in Linux
93. Multiple Processor Scheduling
94. What do you mean by Virtual Memory? Write down its advantages?
95. Compare Paging and Segmentation?
96. What is Process Scheduling, CPU Scheduling, Disk Scheduling? Explain Short, Medium and Long term Scheduler?
97. Explain concept of a process with its components ?
98. Explain the following in brief Contiguous and Linked list allocation for implementing file system?
99. Explain various Disk scheduling algorithms with Illustrations ?
100. Define process and thread. What is PCB ? Explain its various entries with their usefulness ?
101. Discuss advantages and disadvantages of the Buffer cache ?
102. Explain different types of OS with examples of each ?
103. What is an Operating System? Write down its desirable characteristics ?
104. Define a deadlock ? Write down the conditions responsible for deadlock? How can we recover from deadlock ?
105. What are the various services provided by Operating system ?
106. What do you mean by PCB? Where is it used? What are its contents? Explain.

107. What is Binary and Counting semaphores ?
108. What is File? What are the different File attribute and operations?
109. What are System call? Explain briefly about various types of system call provided by an Operating System?
110. Describe necessary conditions for deadlocks situation to arise.
111. What are points to be consider in file system design? Explain linked list allocation in detail?
112. Write a Semaphore solution for dining Philosopher's problem?
113. Consider the following page reference string:1,2,3,4,5,3,4,1,2,7,8,7,8,9,7,8,9,5,4,5.
How many page faults would occur for the following replacement algorithm, assuming four frames:a) FIFO b) LRU
114. Explain CPU schedulers in operating system?
115. Write the different state of a process with the help of Process state diagram?
116. What is Mutex in operating system?
117. Explain Network operating system?
118. What do you mean by paging in operating system ?