**Answer:** **(B)**   
  
**Explanation:** Let three processes be p0, p1 and p2. Their execution time is 10, 20 and 30 respectively. p0 spends first 2 time units in I/O, 7 units of CPU time and finally 1 unit in I/O. p1 spends first 4 units in I/O, 14 units of CPU time and finally 2 units in I/O. p2 spends first 6 units in I/O, 21 units of CPU time and finally 3 units in I/O.

idle p0 p1 p2 idle

0 2 9 23 44 47

Total time spent = 47  
Idle time = 2 + 3 = 5  
Percentage of idle time = (5/47)\*100 = 10.6 %