## Q2. UGC NET Dec 2018 :

Suppose a system has 12 instances of some resource with n processes competing for that resource. Each process may require 4 instances of the resources. The maximum value of n for which the system never enters into deadlock is

a) 3

b) 4

c) 5

d) 6

Sol.

What is Deadlock ?

Ans. Deadlock is a situation where set of processes are blocked because each process holding a resource and waiting to acquire a resource held by another process.

Number of instances = 12

Number of processes = n

Each process requires = 4 instances

1 process occupy = 4 instances

2 process occupy = 8 instances

3 process occupy = 12 instances.

No resource remaining for more than 3 process.

So the maximum number of processes is 3.

Option a) 3 is the correct answer.

Related posts:

1. Net 42
2. CBSE NET 2004 38
3. Cbse net 2004 37

4. Cbse net 2004
5. CBSE Net 2017
6. Ugc net 2017 solved
7. Net 14
8. Net 13
9. Net 12
10. Net 11
11. Net 10
12. Net 9
13. Net 9
14. Net 8
15. Net 7
16. Net 6
17. Net 5
18. NET 4
19. NET 3
20. NET 1
21. NET 2
22. Net 35
23. Net 34
24. Net 33
25. Net 32
26. Net 31
27. Net 29
28. Net 30
29. Net 28
30. Net 26

31. Net 27
32. Net 52
33. Net 51
34. Net 50
35. Net 49
36. Net 48
37. Net 47
38. Net 46
39. Net 45
40. Net 44
41. Net 43
42. Net 41
43. Net 40
44. Net 39
45. Net 38
46. Net 37
47. Net 36
48. UGC NET November 2017 Paper II
49. UGC NET CS Paper 2 June 2012
50. Readers Writes Problem | UGC NET Dec 2018
51. Data warehouse | UGC NET Dec 2018