

2021

Time : 3 hours

Full Marks : 60

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from both Groups as directed.

Group – A

1. (a) Answer the following in **two** line statement :

1×10 = 10

- (i) Socket
- (ii) Parallel computing
- (iii) Kernel
- ✓(iv) Real time system
- ✓(v) Paging

Handwritten calculations and marks in blue ink:
7.6
48
23
23
46
23
28
54
8.5
2

(vi) Thrashing

(vii) Semaphores

(viii) File allocation

(ix) Virtual memory

(x) Thread

(b) Explain importance of operating system.

Explain different types of operating system.

5

Group – B

Answer any three of the following : $15 \times 3 = 45$

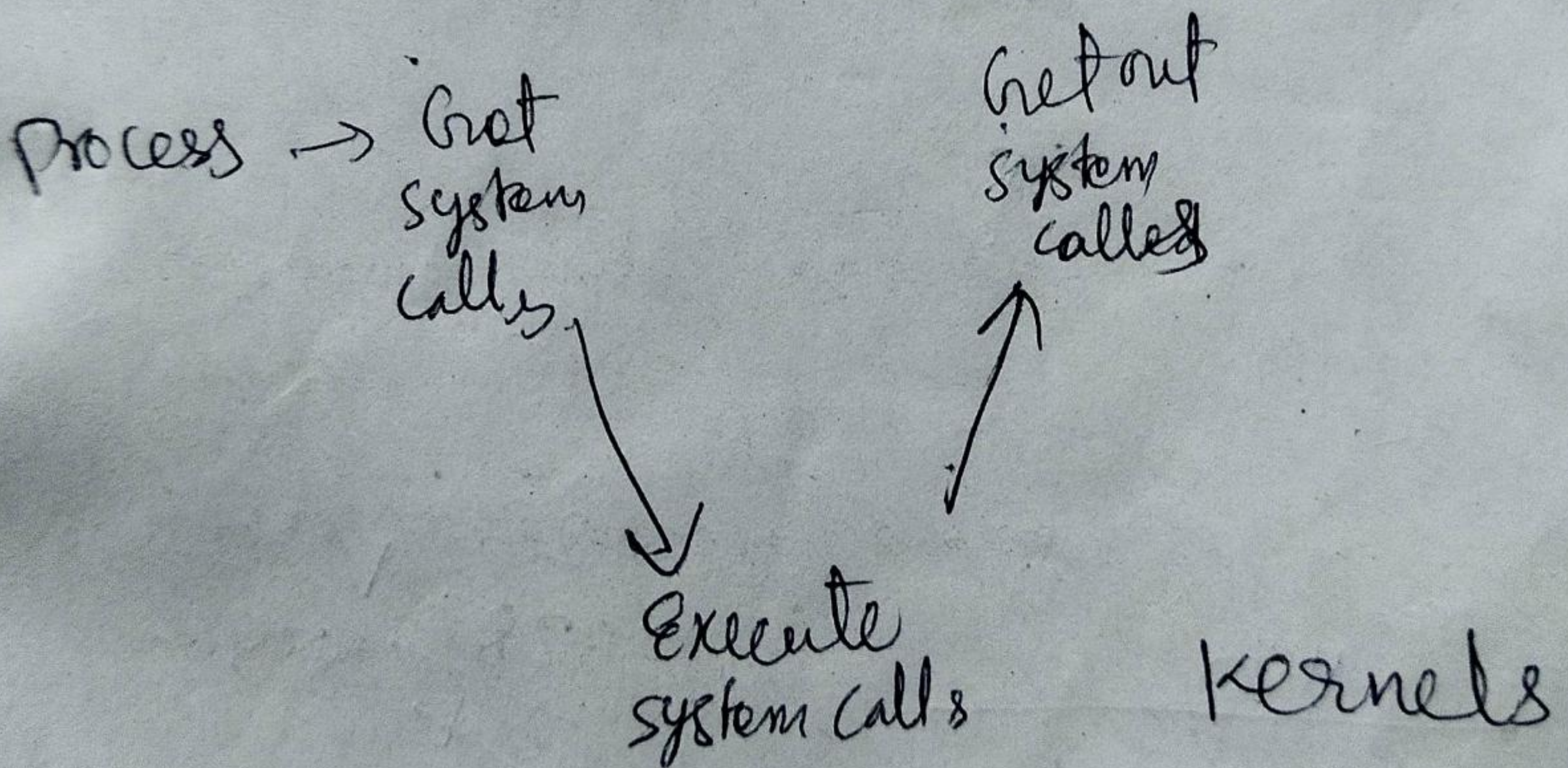
2. What is Paging ? Explain about demand paging.

3. What is Process ? What are the different states of process ? Explain.

4. What is Deadlock ? Explain its necessary and sufficient condition.

5. Differentiate between System calls and System programs.

6. Define FCFS scheduling algorithm with example.



SQ - 95/1 (150)

(3)

End Sem(III) —
BCA (CC - 6)