## PACE INSTITUTE OF TECHNOLOGY \& SCIENCES::ONGOLE (AUTONOMOUS)

## III B.TECH I SEMESTER END REGULAR EXAMINATIONS, DEC/JAN - 2022/23 OPERATING SYSTEMS

 (Common to CSE CSIT, IT, CSE(IOTCSBT) Branches)Time: 3 hours
Max. Marks: 60
Note: Question Paper consists of Two parts (Part-A and Part-B)
PART-A
Answer all the questions in Part-A (5X2=10M)

| Q.No. | Questions | Marks | CO | KL |  |
| :---: | :--- | :--- | :---: | :---: | :---: |
| 1. | a) | In a system, if a parent process terminates then all its children must also be <br> terminated. Identify the phenomenon. | $[2 \mathrm{M}]$ | 1 | 3 |
|  | b) | Recall the CPU scheduling strategy which could result in convey effect? | $[2 \mathrm{M}]$ | 2 | 1 |
|  | c) | What do you understand by resource allocation graph (RAG)? Explain using <br> suitable examples. | $[2 \mathrm{M}]$ | 3 | 2 |
|  | d) | Discuss the effect of thrashing? | $[2 \mathrm{M}]$ | 4 | 2 |
|  | e) | What are the various layers of a file system? | $[2 \mathrm{M}]$ | 5 | 2 |

## PART-B

Answer One Question from each UNIT (5X10=50M)



