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

III B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH/APRIL - 2023 OPERATIONS RESEARCH
(ME Branch)
Time: 3 hours
Max. Marks: 60

## Note: Question Paper consists of Two parts (Part-A and Part-B) <br> PART-A

Answer all the questions in Part-A ( $5 \mathrm{X} 2=10 \mathrm{M}$ )

| Q.No. |  | Questions | Marks | CO | KL |
| :---: | :--- | :--- | :---: | :---: | :---: |
| 1. | a) | Characteristics of OR | $[2 \mathrm{M}]$ | 1 |  |
|  | b) | Explain Group Replacement | $[2 \mathrm{M}]$ | 2 |  |
|  | c) | Write formulation of transportation problem. | $[2 \mathrm{M}]$ | 3 |  |
|  | d) | Write the classification of Queuing models | $[2 \mathrm{M}]$ | 4 |  |
|  | e) | Explain tools for project management | $[2 \mathrm{M}]$ | 5 |  |

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


Code No: P18MEE03



