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

II B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH/APRIL- 2023
STATISTICS FOR DATA SCIENCE
(AIDS Branch)
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)
\(\left.$$
\begin{array}{|c|l|c|c|c|}\hline \text { Q.No. } & \text { Questions } & \text { Marks } & \text { CO } & \text { KL } \\
\hline 1 & \text { a) } & \begin{array}{l}\text { What do you mean by measure of Dispersion? List various measures of } \\
\text { Dispersion. }\end{array} & {[2 \mathrm{M}]} & 1 \\
\hline & \text { b) } & \text { State some properties of Normal distribution. } & {[2 \mathrm{M}]} & 2 \\
\hline & \text { c) } & \begin{array}{l}\text { Find the value of the finite population correction factor for n= } 10 \text { and N }= \\
1000 .\end{array}
$$ \& {[2 \mathrm{M}]} \& 3 <br>
\hline \& d) \& Define Null Hypothesis and Alternative Hypothesis. \& {[2 \mathrm{M}]} \& 4 <br>

\hline \& e) \& Write Normal equations to fit a line. \& {[2 \mathrm{M}]} \& 5\end{array}\right]\)|  |
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PART-B
Answer One Question from each UNIT (5X10=50M)



