| LOYOLA COLLEGE (AUTONOMOUS), CHENNAI - 600034 <br> B.B.A. DEGREE EXAMINATION - BUSINESS ADMINISTRATION <br> SECOND SEMESTER - APRIL 2022 <br> UBU 2502 - BUSINESS STATISTICS <br> (21 BATCH ONLY) <br> Date: 18-06-2022 <br> Dept. No. <br> Max. : 100 Marks <br> Time: 01:00 PM - 04:00 PM |  |  |  |
| :---: | :---: | :---: | :---: |
| SECTION A |  |  |  |
| Answer ALL the Questions in one or two sentences |  |  |  |
|  | Define the following 5 * 1 | 5 * 1 = $\mathbf{5}$ marks |  |
| i. | Sampling | K1 | CO1 |
| ii. | Average | K1 | CO1 |
| iii. | Range | K1 | CO1 |
| iv. | Regression | K1 | CO1 |
| v. | Components of Time series | K1 | CO1 |
| 2. | Fill in the blanks 5 * | 5 * 1=5 marks |  |
| i. | All data generating sources which fall outside the ambit of organization are called $\qquad$ | K1 | CO1 |
| ii. | $\qquad$ is the middle value in a distribution arranged in ascending or descending order. | K1 | CO1 |
| iii. | Percentiles divides the data into ___ parts. | K1 | CO1 |
| iv. | A line fitted by the method of least squares is the | K1 | CO1 |
| v. | $\qquad$ variations are random fluctuations and do not fall under any of the three components and are completely unpredictable. | K1 | CO1 |
| 3. | True or False 5 | 5 * 1=5 marks |  |
| i. | Index makes the diagram confusing. | K2 | CO1 |
| ii. | The sum of deviations of all observations from the arithmetic mean is always Zero. | K2 | CO1 |
| iii. | Evenly spread distribution will be symmetrical. | K2 | CO1 |
| iv. | Simple correlation will have only one variable studied. | K2 | CO1 |
| v. | Of the four types of variation, seasonal is the most difficult to predict. | K2 | CO1 |
| 4. | Match the following 5 | 5 * 1=5 marks |  |
| i. | Method of Least Squares Data vary widely | K2 | CO1 |
| ii. | Spearman's rank correlation Line of Best Fit | K2 | CO1 |



## SECTION D



