

| VII | Which measure of central tendency is the best choice when dealing with nominal data? <br> a) Mean <br> b) Median <br> c) Mode <br> d) All three measures can be used | 2 | CO1 |
| :---: | :---: | :---: | :---: |
| VIII | Which measure of central tendency is used for skewed distributions? <br> a) Mean <br> b) Median <br> c) Mode <br> d) All three measures can be used | 2 | CO1 |
| IX | Which measure of central tendency is most affected by outliers? <br> a) Mean <br> b) Median <br> c) Mode <br> d) All three measures are equally affected | 2 | CO1 |
| X | Which of the following statements is true about nominal scales? <br> a) They have a natural zero point <br> b) They involve ranking or ordering <br> c) They can be used for arithmetic operations <br> d) They involve grouping or categorizing data | 2 | CO1 |
| $\begin{gathered} \text { SECTION B } \\ \text { 4Q×5M=20 Marks } \end{gathered}$ |  |  |  |
|  | Attempt any four questions |  |  |
| Q 2 | A researcher is conducting a survey to gather data on the political affiliation of voters in a city. What data scale researcher should use. | 5 | CO 2 |
| Q3. | Not All data can be represented by all graphs. Justify | 5 | CO 2 |
| Q4. | What is Descriptive analytics, and why it is required? | 5 | CO 2 |
| Q5 | Define the Pyramid of analytics. | 5 | CO 2 |
| Q6 | Importance of Analytics in Business Context | 5 | CO2 |
| $\begin{gathered} \text { SECTION-C } \\ \text { 3Qx10M=30 Marks } \end{gathered}$ |  |  |  |
|  | Attempt any three questions |  |  |
| Q7 | Explain the various scales and their importance in Analytics | 10 | CO3 |
| Q8 | How can Analytics contribute in area of web and social analytics? | 10 | CO3 |
| Q9 | Calculate the weighted moving average of the following data and predict the forecast for another one year. <br> Weights distributed are $6,2,2$ for three years data. | 10 | CO3 |




