

CMP_Statistics_Sem_2_Jan_2019

P131/CMP504/EE/20190206

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
2. Each Sub-question carry 5 marks.
3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
4. Question paper of 80 Marks, it will be converted in to your programme structure marks.

1. Solve any **four** sub-questions.

- a) Explain the scope of statistics. 5
- b) Explain the exclusive method of 'frequency distribution'. 5
- c) Draw and explain the 'cumulative frequency curve'. 5
- d) What are the types of charts? Draw and explain the any one. 5
- e) Define 5
 - i) Mean
 - ii) Median
 - iii) Mode
 - iv) Class limits
 - v) Frequency.

2. Solve any **four** sub-questions.

- a) State limitations of statistics. 5
- b) What is the requirement of good statistical tables? 5
- c) Explain the cumulative frequency distribution. 5
- d) Draw and explain the 'histogram'. 5
- e) Explain the 'coefficient of variation'. 5

3. Solve any **four** sub-questions.

- a) Define 5
 - i) Primary data
 - ii) Secondary data
- b) Explain the scales of measurements. 5
- c) Draw and explain the 'pie charts'. 5
- d) Define and explain the 'range'. 5
- e) Explain the 'coefficient of skewness'. 5

4. Solve any **four** sub-questions.

- a) Define following terms 5
 - i) Null events
 - ii) Simple events
- b) Explain discrete random variable. 5
- c) Draw and explain the 'bar diagram'. 5
- d) What is statistics? Different types of statistical language of the data. 5
- e) Explain the interpretation of standard deviation. 5

