| Semester | ONE | |
|--|--|---------------------------------|
| Paper Number | M1ST230211T | |
| Paper Title | Data: An Overview | |
| No. of Credits | 3 | |
| Theory/Composite | Theory | |
| No. of periods | 3 | |
| assigned | | |
| Modules | Single | |
| Course | At the end of this course a student should have a knowledge of | |
| description/objective | Sources of data | |
| | o Types of data | |
| | Presentation of data | |
| | Summarising data | |
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| Syllabus | Unit 1: Source and nature of data: Population and Sample. Random and non-random sampling. Primary, secondary data. [6] | |
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| | Unit 2: | |
| | Collection of Data: Framing simple research questions and preparing well designed questionnaires. Collection of primary data using questionnaire. Compilation of data and data tidying. Data Scrutiny. [4] Classification of data: Scales of measurement. Variables and attributes. [4] Unit 3: Summarization of data: Graphical representation, Summary measures: Mean, Median, Mode, Range, Standard deviation, Index of qualitative variation (IQV), Quartile deviation (Concept and formula only). [13] | |
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| | Report Writing, audio-visual presentation | ns. [5] |
| | Unit 4: Some Application Areas: Social science, Health Science, Biological Science, | |
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| | Astronomy, Economics, Genetics, Epidemiology, Meteorology, Marketing and | |
| | Business. [7] | |
| Reading/Reference | Fundamentals of Statistics, Vol-I; A.M Gun, M.K Gupta, B. Dasgupta. Statistics: The Art And Science Of Learning From Data: Alan Agresti, Christine A. Franklin, Bernhard Klingenberg. Statistics Without Tears: A Primer for Non-Mathematicians: Derek | |
| Lists | | |
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| | | |
| Rowntree; Allyn and Bacon, A Simon & Schuster Company. | | |
| | 4. Writing and Identity: The Discoursal Construction of Identity in Academic Writing: Ivanic, R. (1998), Amsterdam and Philadelphia: Benjamins. 5. Latex beginner's Guide: Stefan Kottwitz, 2011. | |
| | | |
| | | |
| | 6. Beyond Bullet points; Using Power points to tell a compelling story that | |
| F 1 4 | gets results; Cliff Atkinson; Pearson Education; Edition 4; 2020. | |
| Evaluation | Theory CIA:15 | Practical Exam (Not applicable) |
| | Semester Exam: 35 | |
| Dapar Structure for | 5 Marks Quastions | 7 out of 10 |
| Paper Structure for Theory Semester Exam | 5 Marks Questions | / Out Of TO |
| Theory Schiester Exam | | |