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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------|
| Lecture Plan                                                                                                                                                                                                                                 |                                           |                    |
| Name of the college: Government College of Arts , Science & Commerce, Sanquelim                                                                                                                                                              |                                           |                    |
|                                                                                                                                                                                                                                              |                                           |                    |
| Name of Faculty: Ms. Shilpa Satoskar                                                                                                                                                                                                         | Subject: Economics : Research Methodology |                    |
|                                                                                                                                                                                                                                              |                                           |                    |
| Paper code: ECC302                                                                                                                                                                                                                           | Program: TY BA                            | Division:          |
|                                                                                                                                                                                                                                              |                                           |                    |
| Academic year: 2026-2027                                                                                                                                                                                                                     | Semester: V                               | Total Lectures: 60 |
|                                                                                                                                                                                                                                              |                                           |                    |
| <b>Course Objectives:</b> 1. basic methods of social research<br>2. ability to design a research study<br>3. frame a hypothesis<br>4. basic report writing                                                                                   |                                           |                    |
|                                                                                                                                                                                                                                              |                                           |                    |
| <b>Expected Course Outcome:</b> The student will be able to<br>1. undertake social science research.<br>2. evaluate different research methods.<br>3. create samples using different sampling methods<br>4. write reports based on analysis  |                                           |                    |
|                                                                                                                                                                                                                                              |                                           |                    |
| <b>Student Learning Outcome:</b> The student will be able to<br>1. undertake social science research.<br>2. evaluate different research methods.<br>3. create samples using different sampling methods<br>4. write reports based on analysis |                                           |                    |
|                                                                                                                                                                                                                                              |                                           |                    |

| Month                           | Lecture From      | Lecture To        | No. of lectures allotted | Topic, Subtopic to be covered                                                                       | Exercise/ Assignment | ICT Tools                                    | Reference books                                                                                                          |
|---------------------------------|-------------------|-------------------|--------------------------|-----------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>June/July</b><br>15 lectures | <b>19-06-2026</b> | <b>24-06-2026</b> | 3                        | <b>I-Introduction and Research Design</b><br>Research: meaning, objectives, types and significance, |                      | Chalk and board and Power point presentation | Research Methodology- methods and Techniques- C R Kothari and Gaurav Garg, New Age International (P) Limited, Publishers |
|                                 | <b>25-06-2026</b> | <b>29-06-2026</b> | 2                        | criteria for good research, problems faced by researchers in India,                                 |                      |                                              |                                                                                                                          |
|                                 | <b>30-06-2026</b> | <b>01-07-2026</b> | 2                        | steps involved in social science research.                                                          |                      |                                              |                                                                                                                          |
|                                 | <b>02-07-2026</b> | <b>06-07-2026</b> | 2                        | Research Design: meaning, need, features and important concepts:                                    |                      |                                              |                                                                                                                          |
|                                 | <b>07-07-2026</b> | <b>09-07-2026</b> | 3                        | dependent and independent variable, extraneous variable,                                            |                      |                                              |                                                                                                                          |
|                                 | <b>13-07-2026</b> | <b>15-07-2026</b> | 3                        | control, treatments, experiment and research hypothesis                                             |                      |                                              |                                                                                                                          |

|                                |                   |                   |   |                                                                                            |  |                                                       |                                                                                                                                                        |
|--------------------------------|-------------------|-------------------|---|--------------------------------------------------------------------------------------------|--|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>July/ Aug</b><br>15lectures | <b>16-07-2026</b> | <b>22-07-2026</b> | 4 | <b>II-Research Methods</b><br>Research methods:<br>Case study                              |  | Chalk and<br>board and<br>Power point<br>presentation | Research<br>Methodology-<br>methods and<br>Techniques-<br>C R Kothari<br>and Gaurav<br>Garg, New<br>Age<br>International<br>(P) Limited,<br>Publishers |
|                                | <b>23-07-2026</b> | <b>28-07-2026</b> | 3 | social survey -meaning<br>and limitations                                                  |  |                                                       |                                                                                                                                                        |
|                                | <b>29-07-2026</b> | <b>04-08-2026</b> | 4 | and experimental<br>method- meaning,<br>features, importance                               |  |                                                       |                                                                                                                                                        |
|                                | <b>05-08-2026</b> | <b>11-08-2026</b> | 4 | and experimental<br>method-limitations                                                     |  |                                                       |                                                                                                                                                        |
| <b>Aug/Sep</b><br>15lectures   | <b>12-08-2026</b> | <b>17-08-2026</b> | 3 | <b>III -Hypothesis</b><br>Hypothesis: Meaning,<br>features                                 |  | Chalk and<br>board and<br>Power point<br>presentation | Research<br>Methodology-<br>methods and<br>Techniques-<br>C R Kothari<br>and Gaurav<br>Garg, New<br>Age<br>International<br>(P) Limited,<br>Publishers |
|                                | <b>18-08-2026</b> | <b>19-08-2026</b> | 2 | importance and<br>sources.                                                                 |  |                                                       |                                                                                                                                                        |
|                                | <b>20-08-2026</b> | <b>26-08-2026</b> | 4 | Basic concepts<br>concerning testing of<br>hypothesis: null and<br>alternative hypothesis, |  |                                                       |                                                                                                                                                        |
|                                | <b>27-09-2026</b> | <b>01-09-2026</b> | 3 | type I and type II<br>errors, level of<br>significance and                                 |  |                                                       |                                                                                                                                                        |
|                                | <b>02-09-2026</b> | <b>08-09-2026</b> | 3 | two tailed and one<br>tailed tests                                                         |  |                                                       |                                                                                                                                                        |
| <b>Sep/Oct</b><br>15lectures   | <b>09-09-2026</b> | <b>10-09-2026</b> | 3 | <b>IV- Sampling<br/>Techniques and<br/>Report Writing</b>                                  |  | Chalk and<br>board and                                | Research<br>Methodology-<br>methods and                                                                                                                |

|  |                   |                   |   |                                                               |  |                             |                                                                                                             |
|--|-------------------|-------------------|---|---------------------------------------------------------------|--|-----------------------------|-------------------------------------------------------------------------------------------------------------|
|  |                   |                   |   | Sampling methods:<br>Simple random,.                          |  | Power point<br>presentation | Techniques-<br>C R Kothari<br>and Gaurav<br>Garg, New<br>Age<br>International<br>(P) Limited,<br>Publishers |
|  | <b>14-09-2026</b> | <b>19-09-2026</b> |   | Chaturthi Break                                               |  |                             |                                                                                                             |
|  | <b>21-09-2026</b> | <b>24-09-2026</b> | 4 | stratified, multistage,<br>cluster and snow ball<br>sampling  |  |                             |                                                                                                             |
|  | <b>28-09-2026</b> | <b>30-09-2026</b> | 3 | Sampling and non<br>sampling errors.                          |  |                             |                                                                                                             |
|  | <b>05-10-2026</b> | <b>08-10-2026</b> | 4 | Report writing:<br>Significance, types and<br>steps involved. |  |                             |                                                                                                             |
|  | <b>12-10-2026</b> | <b>14-10-2026</b> | 1 | Revision                                                      |  |                             |                                                                                                             |

\* Assessment Rubrics

| Component            | Max Marks |
|----------------------|-----------|
| ISA 1                | 10        |
| ISA 2                | 10        |
| Practical            | -         |
| Project              | -         |
| Semester End<br>Exam | 80        |