# BHARATHIAR UNIVERSITY: COIMBATORE641046

# BranchII:B.Sc.STATISTICS(CBCSPATTERN)

(Forthestudentsadmittedfromtheacademicyear**2022-2023**andonwards)

# SchemeofExamination

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Part** | **Titleof theCourse** | **Hours**  **/Week** | **Examination** | | | | **Credits** |
| **Durationin**  **Hours** | **MaximumMarks** | | |
| **CIA** | **CEE** | **Total** |
|  | **SemesterI** | | | | | | |
| I | Language-I | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English– I | 6 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaper I-DescriptiveStatistics-  I | 3 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaper II-DescriptiveStatistics -  II | 4 | 3 | 50 | 50 | 100 | 4 |
| III | CorePractical- I(UsingMSExcel) | 2 | - | - | - | - | - |
| III | AlliedA:Paper I-Mathematicsfor  Statistics– I | 7 | 3 | 50 | 50 | 100 | 4 |
| IV | EnvironmentalStudies\* | 2 | 3 | - | 50 |  | 2 |
|  | **Total** | **30** |  | **250** | **250** | **500** | **22** |
|  | **SemesterII** | | | | | | |
| I | Language II | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English II | 4 | 3 | 25 | 25 | 50 | 2 |
|  | **Naan Mudhalvan**:  Language Proficiency: Effective English | 2 | 3 | 25 | 25 | 50 | 2 |
| III | CorePaper III- Applied Statistics | 7 | 3 | 50 | 50 | 100 | 4 |
| III | CorePractical- I(UsingMSExcel) | 2 | 3 | 30 | 45 | 75 | 3 |
| III | AlliedA:Paper IIMathematicsfor  Statistics-II | 7 | 3 | 50 | 50 | 100 | 4 |
| IV | ValueEducation HumanRights\* | 2 | 3 | - | 50 |  | 2 |
|  | **Total** | **30** |  | **230** | **245** | **475** | **21** |
|  | **SemesterIII** | | | | | | |
| I | Language III | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English III | 6 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaper IV-Demographic  Methods | 3 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaperV-Probability  Distribution-I | 3 | 3 | 50 | 50 | 100 | 4 |
| III | AlliedB:Paper I ComputerProgrammingforStatisticalAnalysis-I  (CProgramming) | 5 | 3 | 30 | 45 | 75 | 3 |
| III | AlliedPractical(C&C++  Programming) | 2 | - | - | - | - | - |
| IV | SkillbasedSubject:  ActuarialStatistics | 3 | 3 | 50 | 50 | 100 | 4 |



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| IV | Tamil\*\* / Advanced Tamil\*(OR)Non-majorelective- I(Yoga for    Rights\* | 2 | 3 | 50 | 50 | 100 | 2 |
|  | **Total** | **30** |  | **330** | **345** | **675** | **25** |
|  | **SemesterIV** | | | | | | |
| I | Language IV | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English IV | 6 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaperVI  ProbabilityDistribution- II | 4 | 3 | 50 | 50 | 100 | 4 |
| III | CorePracticalII(UsingScientific  Calculator) | 3 | 3 | 30 | 45 | 75 | 3 |
| III | Allied B: Paper II - ComputerProgrammingforStatisticalAnalysis-II  (Object Oriented Programming withC++) | 4 | 3 | 30 | 45 | 75 | 3 |
| III | AlliedPractical(C&C++  programming) | 2 | 3 | 25 | 25 | 50 | 2 |
| IV | **Naan Mudhalvan**:  Digital Skills: Office Fundamentals | 3 | 3 | 25 | 25 | 50 | 2 |
| IV | Tamil\*\*/AdvancedTamil\*(OR)Non-  major elective -II (GeneralAwareness\*) | 2 | 3 | 50 | 50 | 100 | 2 |
|  | **Total** | **30** |  | **310** | **340** | **650** | **24** |
|  | **SemesterV** | | | | | | |
| III | CorePaperVII-Statistical Inference  -I | 5 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaperVIII-BasicSampling  Theory | 5 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaper IX -Designof  Experiments | 5 | 3 | 50 | 50 | 100 | 4 |
| III | CorePractical- III(UsingSPSS**)** | 2 | 3 | - | - | - | - |
| III | CorePaperX -Numerical  Mathematics | 5 | 3 | 50 | 50 | 100 | 4 |
| III | ElectiveI | 5 | 3 | 30 | 45 | 75 | 3 |
| IV | SkillbasedSubject3:  MathematicalEconomics | 3 | 3 | 50 | 50 | 100 | 4 |
|  | **Total** | **30** |  | **280** | **295** | **575** | **23** |
|  | **SemesterVI** | | | | | | |
| III | CorePaperXI-Statistical Inference -  II | 5 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaperXII-StatisticalQuality  Control | 5 | 3 | 50 | 50 | 100 | 4 |
| III | CorePractical- III(UsingSPSS**)** | 2 | 3 | 30 | 45 | 75 | 3 |

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| III | ElectiveII | 5 | 3 | 30 | 45 | 75 | 3 |
| III | ElectiveIII | 5 | 3 | 30 | 45 | 75 | 3 |
| III | CorePractical -IV(UsingScientific  Calculator) | 4 | 3 | 50 | 50 | 100 | 4 |
| IV | **Naan Mudhalvan**:  Data Analytics with Advanced Tools: Project Based learning | 4 | 3 | 25 | 25 | 50 | 2 |
| V | ExtensionActivities\*\* | - | - | 50 | - | 50 | 2 |
|  | **Total** | **30** |  | **315** | **310** | **625** | **25** |
|  | **GrandTotal** | **180** |  | **1640** | **1860** | **3500** | **140** |

\*NoContinuousInternalAssessment(CIA).OnlyUniversityExaminations.

\*\* No University Examinations. Only Continuous Internal Assessment (CIA).@Excludingthemarks ofPartIV

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| **Listof Electivepapers(Collegescanchoose anyoneof thepaperas**  **electives)** | | |
| ElectiveI | A | PsychologicalStatistics |
| B | ActuarialStatistics III |
| C | BigDataAnalytics |
| ElectiveII | A | ElementsofEconometrics |
| B | IndianOfficialStatistics |
| C | GeneticalStatistics |
| ElectiveIII | A | OperationsResearch |
| B |  |
| C | QuantitativeTechniques forManagerialDecisions |