# 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-MathematicsforStatistics– 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 IIMathematicsforStatistics-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-DemographicMethods | 3 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaperV-ProbabilityDistribution-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 |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| IV | Tamil\*\* / Advanced Tamil\*(OR)Non-majorelective- I(Yoga forRights\* | 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 | CorePaperVIProbabilityDistribution- II | 4 | 3 | 50 | 50 | 100 | 4 |
| III | CorePracticalII(UsingScientificCalculator) | 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-BasicSamplingTheory | 5 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaper IX -DesignofExperiments | 5 | 3 | 50 | 50 | 100 | 4 |
| III | CorePractical- III(UsingSPSS**)** | 2 | 3 | - | - | - | - |
| III | CorePaperX -NumericalMathematics | 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-StatisticalQualityControl | 5 | 3 | 50 | 50 | 100 | 4 |
| III | CorePractical- III(UsingSPSS**)** | 2 | 3 | 30 | 45 | 75 | 3 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| III | ElectiveII | 5 | 3 | 30 | 45 | 75 | 3 |
| III | ElectiveIII | 5 | 3 | 30 | 45 | 75 | 3 |
| III | CorePractical -IV(UsingScientificCalculator) | 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

|  |
| --- |
| **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 |