# BHARATHIAR UNIVERSITY::COIMBATORE 641 046BranchII:B. Sc.STATISTICS (CBCSPATTERN)

(Forthestudentsadmittedfromtheacademicyear**2021-2022**andonwards)

# SchemeofExamination

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Part** | **TitleoftheCourse** | **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 | CorePaperII-DescriptiveStatistics-II | 4 | 3 | 50 | 50 | 100 | 4 |
| III | CorePractical- I(UsingMSExcel) | 2 | - | - | - | - | - |
| III | AlliedA:PaperI-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 | 6 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaper III- Applied Statistics | 7 | 3 | 50 | 50 | 100 | 4 |
| III | CorePractical- I(UsingMSExcel) | 2 | 3 | 30 | 45 | 75 | 3 |
| III | AlliedA: Paper IIMathematics forStatistics-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 | Allied B: Paper I – ComputerProgrammingforStatisticalAnalysis-I(CProgramming) | 5 | 3 | 30 | 45 | 75 | 3 |
| III | AlliedPractical(C&C++Programming) | 2 | - | - | - | - | - |
| IV | SkillbasedSubject:ActuarialStatistics- I | 3 | 3 | 30 | 45 | 75 | 3 |



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| IV | Tamil\*\* / Advanced Tamil\*(OR)Non-major elective - I (Yoga forHumanExcellence)\*/Women’sRights\* | 2 | 3 | 50 | 50 | 100 | 2 |
|  | **Total** | **30** |  | **310** | **340** | **650** | **24** |
|  | **SemesterIV** |
| I | Language–IV | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English– IV | 6 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaper VIProbabilityDistribution-II | 4 | 3 | 50 | 50 | 100 | 4 |
| III | CorePracticalII(UsingScientificCalculator) | 2 | 3 | 30 | 45 | 75 | 3 |
| III | Allied B: Paper II - ComputerProgrammingforStatisticalAnalysis-II(ObjectOrientedProgrammingwithC++) | 3 | 3 | 25 | 25 | 50 | 2 |
| III | AlliedPractical(C&C++programming) | 2 | 3 | 25 | 25 | 50 | 2 |
| IV | Skillbased Subject2:ActuarialStatistics- II | 3 | 3 | 25 | 25 | 50 | 2 |
| IV | **Naan Mudhalvan**:Data Analytics with Advanced Tools: Project Based learning  | 2 | 3 | 25 | 25 | 50 | 2 |
| IV | Tamil\*\*/AdvancedTamil\*(OR)Non-majorelective-II(GeneralAwareness\*) | 2 | 3 | 50 | 50 | 100 | 2 |
|  | **Total** | **30** |  | **330** | **345** | **675** | **25** |
|  | **SemesterV** |
| III | CorePaperVII-StatisticalInference-I | 5 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaperVIII -Basic SamplingTheory | 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 | Elective I | 5 | 3 | 30 | 45 | 75 | 3 |
| IV | Skillbased Subject3:Mathematical Economics-I | 3 | 3 | 30 | 45 | 75 | 3 |
|  | **Naan Mudhalvan**:Computational Intelligence for Employability  | 2 | 2 | 25 | 75 | 100 | 2 |
|  | **Total** | **32** |  | **285** | **365** | **650** | **24** |
|  | **SemesterVI** |
| III | CorePaperXI-StatisticalInference -II | 5 | 3 | 50 | 50 | 100 | 4 |
| III | CorePaper XII-Statistical QualityControl | 5 | 3 | 50 | 50 | 100 | 4 |
| III | CorePractical- III(UsingSPSS**)** | 2 | 3 | 30 | 45 | 75 | 3 |
| III | Elective II | 3 | 3 | 25 | 25 | 50 | 2 |
| III | ElectiveIII | 3 | 3 | 25 | 25 | 50 | 2 |
| III | CorePractical-IV(UsingScientificCalculator) | 5 | 3 | 50 | 50 | 100 | 4 |
| IV | SkillBasedSubject 4MathematicalEconomics-II | 3 | 3 | 30 | 45 | 75 | 3 |
| IV | **Naan Mudhalvan**:Data Analytics with Advanced Tools: Project Based learning  | 4 | 3 | 25 | 25 | 50 | 2 |
| V | ExtensionActivities\*\* | - | - | 50 | - | 50 | 2 |
|  | **Total** | **30** |  | **335** | **315** | **650** | **26** |
|  | **GrandTotal** | **182** |  | **1710** | **1890** | **3600** | **142** |

\*NoContinuousInternal Assessment(CIA). OnlyUniversityExaminations.

\*\*NoUniversityExaminations.OnlyContinuousInternalAssessment(CIA).@Excludingthe marks of PartIV

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| **Listof Electivepapers (Collegescanchoose anyoneofthepaperaselectives)** |
| Elective I | A | PsychologicalStatistics |
| B | ActuarialStatistics–III |
| C | BigData Analytics |
| Elective II | A | ElementsofEconometrics |
| B | IndianOfficialStatistics |
| C | GeneticalStatistics |
| ElectiveIII | A | OperationsResearch |
| B | DataAnalyticsusing‘R’ |
| C | QuantitativeTechniquesforManagerialDecisions |