# 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-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 | 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 for  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 | 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’s  Rights\* | 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 VI  ProbabilityDistribution-II | 4 | 3 | 50 | 50 | 100 | 4 |
| III | CorePracticalII(UsingScientific  Calculator) | 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(General  Awareness\*) | 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 Sampling  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 | 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 Quality  Control | 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(UsingScientific  Calculator) | 5 | 3 | 50 | 50 | 100 | 4 |
| IV | SkillBasedSubject 4  MathematicalEconomics-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 |