**BHARATHIARUNIVERSITY::COIMBATORE641046**

**BranchII:B.Sc.STATISTICS(CBCSPATTERN)**

(Forthestudentsadmittedfromtheacademicyear**2020-2021**andonwards)

**Scheme of Examination**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Part** | **Title of the Course** | **Hours/ Week** | **Examination** | | | | **Credits** |
| **Duration**  **in Hours** | **Maximum Marks** | | |
| **CIA** | **CEE** | **Total** |
|  | **SemesterI** | | | | | | |
| I | Language-I | 6 | 3 | 25 | 75 | 100 | 4 |
| II | English-I | 6 | 3 | 25 | 75 | 100 | 4 |
| III | CorePaperI-DescriptiveStatistics -I | 3 | 3 | 25 | 75 | 100 | 4 |
| III | CorePaperII-DescriptiveStatistics -II | 4 | 3 | 25 | 75 | 100 | 4 |
| III | CorePractical-I(UsingMS Excel) | 2 | - | - | - | - | - |
| III | AlliedA:PaperI-Mathematicsfor  Statistics-I | 7 | 3 | 25 | 75 | 100 | 4 |
| IV | EnvironmentalStudies\* | 2 | 3 | - | 50 |  | 2 |
|  | **Total** | **30** |  | **125** | **375@** | **500** | **22** |
|  | **SemesterII** | | | | | | |
| I | Language–II | 6 | 3 | 25 | 75 | 100 | 4 |
| II | English–II | 6 | 3 | 25 | 75 | 100 | 4 |
| III | CorePaperIII-AppliedStatistics | 7 | 3 | 25 | 75 | 100 | 4 |
| III | CorePractical-I(UsingMS Excel) | 2 | 3 | 30 | 45 | 75 | 3 |
| III | AlliedA:PaperIIMathematicsfor  Statistics-II | 7 | 3 | 25 | 75 | 100 | 4 |
| IV | ValueEducation–HumanRights\* | 2 | 3 | - | 50 |  | 2 |
|  | **Total** | **30** |  | **130** | **345@** | **475** | **21** |
|  | **SemesterIII** | | | | | | |
| I | Language–III | 6 | 3 | 25 | 75 | 100 | 4 |
| II | English–III | 6 | 3 | 25 | 75 | 100 | 4 |
| III | CorePaperIV-Demographic Methods | 3 | 3 | 25 | 75 | 100 | 4 |
| III | CorePaperV-ProbabilityDistribution-I | 3 | 3 | 25 | 75 | 100 | 4 |
| III | Allied B: Paper I – Computer ProgrammingforStatisticalAnalysis-I  (C Programming) | 5 | 3 | 20 | 55 | 75 | 3 |
| III | AlliedPractical(C&C++  Programming) | 2 | - | - | - | - | - |
| IV | Skillbased Subject:  ActuarialStatistics-I | 3 | 3 | 20 | 55 | 75 | 3 |
| IV | Tamil\*\*/AdvancedTamil\*(OR)Non- major elective - I (Yoga for Human  Excellence)\*/Women’sRights\* | 2 | 3 | 50 | 50 | 100 | 2 |
|  | **Total** | **30** |  | **190** | **460** | **650** | **24** |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **SemesterIV** | | | | | | |
| I | Language–IV | 6 | 3 | 25 | 75 | 100 | 4 |
| II | English–IV | 6 | 3 | 25 | 75 | 100 | 4 |
| III | CorePaperVI  ProbabilityDistribution-II | 4 | 3 | 25 | 75 | 100 | 4 |
| III | CorePracticalII(UsingScientific  Calculator) | 2 | 3 | 30 | 45 | 75 | 3 |
| III | Allied B: Paper II - Computer ProgrammingforStatisticalAnalysis-II  (ObjectOrientedProgrammingwithC++) | 5 | 3 | 20 | 55 | 75 | 3 |
| III | AlliedPractical(C&C++  programming) | 2 | 3 | 20 | 30 | 50 | 2 |
| IV | SkillbasedSubject2:  ActuarialStatistics-II | 3 | 3 | 20 | 55 | 75 | 3 |
| IV | Tamil\*\*/AdvancedTamil\*(OR)Non-  majorelective-II(General Awareness\*) | 2 | 3 | 50 | 50 | 100 | 2 |
|  | **Total** | **30** |  | **215** | **460** | **675** | **25** |
|  | **SemesterV** | | | | | | |
| III | CorePaperVII-StatisticalInference-I | 5 | 3 | 25 | 75 | 100 | 4 |
| III | CorePaperVIII-BasicSampling Theory | 5 | 3 | 25 | 75 | 100 | 4 |
| III | CorePaperIX-DesignofExperiments | 5 | 3 | 25 | 75 | 100 | 4 |
| III | CorePractical-III(UsingSPSS**)** | 2 | 3 | - | - | - | - |
| III | CorePaperX-NumericalMathematics | 5 | 3 | 25 | 75 | 100 | 4 |
| III | ElectiveI | 5 | 3 | 20 | 55 | 75 | 3 |
| IV | SkillbasedSubject3:  MathematicalEconomics-I | 3 | 3 | 20 | 55 | 75 | 3 |
|  | **Total** | **30** |  | **140** | **410** | **550** | **22** |
|  | **SemesterVI** | | | | | | |
| III | CorePaperXI-StatisticalInference-II | 5 | 3 | 25 | 75 | 100 | 4 |
| III | CorePaperXII- Statistical Quality  Control | 5 | 3 | 25 | 75 | 100 | 4 |
| III | CorePractical-III(UsingSPSS**)** | 2 | 3 | 30 | 45 | 75 | 3 |
| III | Elective II | 3 | 3 | 25 | 25 | 50 | 2 |
| III | Elective III | 3 | 3 | 25 | 25 | 50 | 2 |
| III | CorePractical-IV(UsingScientific  Calculator) | 5 | 3 | 40 | 60 | 100 | 4 |
| IV | SkillBasedSubject4  MathematicalEconomics-II | 3 | 3 | 20 | 55 | 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** |  | **265** | **385** | **650** | **26** |
|  | **Grand Total** | **180** |  | **1030** | **2470** | **3500** | **140** |

\*NoContinuousInternalAssessment(CIA).Only UniversityExaminations.

\*\*NoUniversityExaminations.OnlyContinuousInternalAssessment(CIA). @ Excluding the marks of Part IV