

Revised

Choice Based Credit System (CBCS) Syllabus for M.A./M.Sc. Statistics

1st- 4th Semester for Batch 2017 wef 2018 and onwards BOSPG held on 07/09/2018

General Instructions for the Candidates

1. The **two years (4 semesters)** PG Programmes is of **96** credit weightage i.e. **24** credits/semester (**24×4 = 96**).
2. Out of **24** credits in a semester a candidate has to obtain **12** credits compulsorily from the **Core Courses**, while the remaining 12 credits can be obtained from the **Electives (DCE, GE &OE)** in the following manner:
 - A candidate can obtain a maximum of **8** credits within his /her own Department out of specialization offered by the Department as **Discipline Centric Electives**.
 - **4** credits shall be obtained by the candidate from the **Electives (GE , OE)** offered by the Department other than his/her own. The candidate shall be free to obtain these **4** credits from the **General** or **Open Elective** or a **Combination of Both**.

SEMESTER – I			
Course Type	Course Code	Title of the Course	No. of Credits
Core (CR)	ST17101CR	Probability and Distribution Theory - I	04
	ST17102CR	Sampling Techniques	04
	ST17103CR	Statistical Computing	04
Discipline Centric Elective (DCE)	ST17104DCE	Stochastic Processes	04
	ST17105DCE	Linear Algebra	02
	ST17106DCE	Real Analysis	02
	ST17107DCE	Practical based on ST17101CR & ST17102CR	02
	ST17108DCE	Practical based on ST17103CR	02
Generic Elective(GE)	ST17109GE	Statistical Methods	02
	ST17110GE	Testing of Hypothesis – I(Parametric)	02
Open Elective(OE)	ST17111OE	Time Series Analysis	02

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SEMESTER - II			
Course Type	Course Code	Title of the Course	No. of Credits
Core (CR)	ST17201CR	Probability and Distribution Theory – II	04
	ST17202CR	Linear Models and Regression Analysis	04
	ST17203CR	Advanced Statistical Computing	04
Discipline Centric Elective (DCE)	ST17204DCE	Operations Research-I	04
	ST17205DCE	Advanced Sampling Techniques	02
	ST17206DCE	Inventory and Queuing Theory	02
	ST17207DCE	Practical based on ST17201CR & ST17202CR	02
	ST17208DCE	Practical based on ST17203CR	02
Generic Elective (GE)	ST17209GE	Sampling Theory	02
	ST17210GE	Testing of Hypothesis-II (Non-Parametric)	02
Open Elective(OE)	ST17211OE	Basic Design of Experiments	02

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SEMESTER - III			
Course Type	Course Code	Title of the Course	No. of Credits
Core (CR)	ST17301CR	Statistical Inference-I	04
	ST17302CR	Multivariate Analysis	04
	ST17303CR	Survey Project	04
Discipline Centric Elective (DCE)	ST17304DCE	Demography	04
	ST17305DCE	Operations Research-II	02
	ST17306DCE	Non-Parametric Methods	02
	ST17307DCE	Data Analysis Using SPSS	02
	ST17308DCE	Practical based on ST17301CR & ST17302CR	02
Generic Elective (GE)	ST17309GE	Data Analysis Using Minitab	02
	ST17310GE	Standard Probability Distributions - I	02
Open Elective(OE)	ST17311OE	Statistical Quality Control	02

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SEMESTER – IV			
Course Type	Course Code	Title of the Course	No. of Credits
Core (CR)	ST17401CR	Statistical Inference-II	04
	ST17402CR	Industrial Statistics and Reliability Theory	04
	ST17403CR	Design and Analysis of Experiments	04
Discipline Centric Elective(DE)	ST17404DCE	Information Theory	04
	ST17405DCE	Bayesian Analysis	02
	ST17406DCE	Econometrics	02
	ST17407DCE	Practical based on ST17402CR	02
	ST17408DCE	Practical based on ST17403CR	02
Generic Elective(GE)	ST17409GE	Data Analysis Using R Software	02
	ST17410GE	Standard Probability Distributions-II	02
Open Elective(OE)	ST17411OE	Bio - Statistics	02