

Only Course Structure

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

1st- 4th Semester for Batch 2018 wef 2018 and onwards BOSPG held on

19/11/2018

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 **14** credits compulsorily from the **Core Courses**, while the remaining **10** 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**.
 - **2** 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 **2** 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)	ST18101CR	Probability and Distribution Theory - I	04
	ST18102CR	Sampling Techniques	04
	ST18103CR	Statistical Computing	04
	ST18104CR	Time Series Analysis	02
Discipline Centric Elective (DCE)	ST18105DCE	Stochastic Processes	04
	ST18106DCE	Linear Algebra	02
	ST18107DCE	Real Analysis	02
	ST18108DCE	Practical based on ST18101CR & ST18102CR	02
	ST18109DCE	Practical based on ST18103CR & ST18104CR	02
Generic Elective(GE)	ST18110GE	Statistical Methods	02
	ST18111GE	Testing of Hypothesis – I (Parametric)	02
Open Elective(OE)	ST18112OE	Basic Time Series Analysis	02

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SEMESTER - II			
Course Type	Course Code	Title of the Course	No. of Credits
Core (CR)	ST18201CR	Probability and Distribution Theory – II	04
	ST18202CR	Linear Models and Regression Analysis	04
	ST18203CR	Advanced Statistical Computing	04
	ST18204CR	Advanced Sampling Techniques	02
Discipline Centric Elective (DCE)	ST18205DCE	Operations Research - I	04
	ST18206DCE	Actuarial Sciences	02
	ST18207DCE	Inventory and Queuing Theory	02
	ST18208DCE	Practical based on ST18201CR & ST18202CR	02
	ST18209DCE	Practical based on ST18203CR & ST18204CR	02
Generic Elective (GE)	ST18210GE	Sampling Theory	02
	ST18211GE	Testing of Hypothesis- II (Non-Parametric)	02
Open Elective(OE)	ST18212OE	Basic Design of Experiments	02

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SEMESTER - III			
Course Type	Course Code	Title of the Course	No. of Credits
Core (CR)	ST18301CR	Statistical Inference - I	04
	ST18302CR	Multivariate Analysis	04
	ST18303CR	Survey Project	04
	ST18304CR	Data Analysis Using SPSS	02
Discipline Centric Elective (DCE)	ST18305DCE	Demography	04
	ST18306DCE	Operations Research - II	02
	ST18307DCE	Bio - Statistics	02
	ST18308DCE	Practical based on ST18301CR & ST18304CR	02
	ST18309DCE	Practical based on ST18302CR	02
Generic Elective(GE)	ST18310GE	Data Analysis Using Minitab	02
	ST18311GE	Standard Probability Distributions - I	02
Open Elective(OE)	ST18312OE	Statistical Quality Control	02

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SEMESTER – IV			
Course Type	Course Code	Title of the Course	No. of Credits
Core (CR)	ST18401CR	Statistical Inference - II	04
	ST18402CR	Industrial Statistics and Reliability Theory	04
	ST18403CR	Design and Analysis of Experiments	04
	ST18104CR	Non - Parametric Methods	02
Discipline Centric Elective (DE)	ST18405DCE	Information Theory	04
	ST18406DCE	Bayesian Analysis	02
	ST18407DCE	Econometrics	02
	ST18408DCE	Practical based on ST18401CR & ST18402CR	02
	ST18409DCE	Practical based on ST18403CR & ST18404CR	02
Generic Elective(GE)	ST18410GE	Data Analysis Using R - Software	02
	ST18411GE	Standard Probability Distributions - II	02
Open Elective(OE)	ST18412OE	Basic Bio - Statistics	02