I – Academic Planner

A. Teaching Plan (Year :2019Semester: Odd)

Teacher's Name: Ms. Savitri Sharma Department: STATISTICS

S. No.	UPC	Paper Name	Core/AEC C/GE/SE C	Topic/Unit	Start Date	EndDate
1	32371303	Mathematical Analysis	Core	Real Analysis: Representation of real numbers as points on the line and the set of real numbers as complete ordered field. Bounded and unbounded sets, neighbourhoods and limit points, Supremum and infimum, derived sets, open and closed sets	23/07/2019	16/08/2019
				Sequences and their convergence, limits of some special sequences and Cauchy's general principle of convergence, Cauchy's first theorem on limits,	20/08/2019	04/09/2019
				Monotonic sequences, limit superior and limit inferior of a bounded sequence.	06/09/2019	17/09/2019
				Series: Infinite series, positive termed series and their convergence, Comparison test, D'Alembert's ratio test, Cauchy's nth root test, Raabe'stest. Gauss test, Cauchy's condensation test and integral test .	18/09/2019	09/10/2019
				Absolute convergence of series, Leibnitz's test for the convergence of alternating series, Conditional convergence	22/10/2019	29/10/2019
				Review of limit, continuity and differentiability, uniform Continuity andboundedness of a function.	30/10/2019	08/11/2019
				Rolle's and Lagrange's Mean Value theorems. Taylor's theorem withLagrange's and Cauchy's form of remainder (without proof). Taylor's andMaclaurin's series expansions	12/11/2019	19/11/2019
				Difficulties and Presentations	20/11/2019	22/11/2019
2	32371101	Descriptive Statistics	Core	Definition and scope of Statistics, concepts of statistical population andsample.Data: quantitative and qualitative, attributes, variables, scales ofmeasurement-nominal, ordinal, interval and ratio.	20/07/2019	05/08/2019
				Tabular and graphical presentation, including histogram and Ogives.	06/08/2019	13/08/2019
				Theory of attributes, consistency and independence of data with specialreference to attributes. Mathematical and positional measures of Central Tendency, Partition values.	16/08/2019	30/08/2019
				Measures of Dispersion: range, quartile deviation, mean deviation, standarddeviation, coefficient of variation. Moments, absolute moments, factorial moments, skewness and kurtosis, Sheppard's corrections.	31/08/2019	07/09/2019

				Probability introduction, random experiments, sample space, events andalgebra of events.	09/09/2019	04/10/2019
				Classical, statistical, and axiomatic definitions of Probability, ConditionalProbability. Addition and multiplication theorem of probability, independent events,Theorem of Total probability. Two dimensional random variables: Joint, marginal and conditional pmf/pdf.	05/10/2019	26/10/2019
				Bayes' theorem and its applications.Discrete and continuous random variables, illustrations and properties ofrandom variables. pmf, pdf and cdf.	28/10/2019	05/11/2019
				Independence of random variables. Univariate transformations. Expectation of random variables and its properties	08/11/2019	15/11/2019
3	32371303	Mathematical Analysis	Core	Practical:Formation of difference table, fitting of polynomial and missing terms for equal interval of differencing.	13/08/2019	
				Practical: Newton's Gregory forward difference interpolation formula. Newton's backward difference interpolation formula. Newton's divided difference and Lagrange's interpolation formula.		
				Practical: Gauss forward, Gauss backward central difference interpolation formula.Stirling's central difference interpolation formula.	to	
				Practical: Lagrange's Inverse interpolation formula. Method of successive approximation or iteration. Method of reversion of series.		
				Practical: Trapezoidal Rule, Simpson's one-third rule, Simpson's three-eighth rule,Weddle's rule.		
				Practical: sum by Euler-Maclaurin summation formula.		05/11/2019
4.	32371101	Descriptive Statistics	Core	Practicals	17/08/2019	02/11/2019

B. FDP/Seminar/Workshops/Lectures to be attended and/or to be conducted by Teachers

Event Topic		Google classroom, Microsoft Teams- Conducting online classes, Microsoft Teams- Conducting online classes series II, Microsoft Teams session			
Type / Nature (FDP/Webinar/Workshop etc.)		Webinar			
Organizing In-charge		**Kirori Mal College**			
Details regarding invited Resource Person		**Google Team**			
Nature of Participation (e.g. Invited Speaker, Participant etc.)		**Participant**			
Date/s	**08/08/2020**	**Timing/s**	**10:30 to 1:30**	**Mode**	**Online/ Hand - on**
Event Topic		Conducting online classes series &Microsoft Teams session			
Type / Nature (FDP/Webinar/Workshop etc.)		Webinar			
Organizing In-charge		Kirori Mal College			
Details regarding invited Resource Person		Microsoft Teams			
Nature of Participation (e.g. Invited Speaker, Participant etc.)		Participant			
Date/s	**21/08/2020, 04/09/2020 & 12/09/2020**	**Timing/s**	3:00 pm – 4:00pm, 3:00 pm – 4:00pm, 11 am- 12:30 pm respectively	**Mode**	Online

C. Internal Assessment: House Exam (Test/Presentation etc.)&Assignment*

Course Code	Course Name	Unique Paper Code	Topic Name	Day and Date	Date/s of Exhibiting the Assessment Sheet to students, Discussing the marks, Returning/Retaining
568	B.Sc (Hons) Statistics	32371303	**(TEST) Infinite Series**	Tuesday 15/10/2019	06/11/2019
568	B.Sc (Hons) Statistics	32371303	**(TEST) Supremum and Infimum**		
568	B.Sc (Hons) Statistics	32371101	**(TEST) Probablity Theory**	Wednesday 16/10/2019	26/11/2019
568	B.Sc (Hons) Statistics	32371101	**Total Course (Presentation) Measures of Dispersion**		

***Marks of the Internal Assessment to be submitted to the College 15 days before the last working day of every semester**

D. Organization of Department/College Society Meetings by Staff Advisor/Convener

Department/Society	Meeting Date	Purpose

E. College Functions

College Function	Function Date	Role to be played

For Departments

A. Department activities for students – Election/Freshers/Welcome/Farewell/Department Seminars/Society functions

Event	Date	Timing	Venue	Event In-charge / Supervisor
Department Election	02/09/2019	03:00pm onwards	Statistics Lab	Ms. Savitri Sharma
Fresher's Welcome	Sept 2019	03:00pm onwards	Statistics Lab	Ms. Savitri Sharma
Farewell				
Department Society functions				
Department Seminars				
Any Other ( )				

B. Outstation Field Visit for Students

Project Name / Paper Name			
Destination		Travel Mode	
Departure Month		Return	
Faculty-in-Charge		Number of Students going	

C. FDP/Seminar/Workshops/Lectures to be attended and/or to be conducted by Department

Event Topic					
Type / Nature (FDP/Webinar/Workshop etc.)					
Organizing In-charge					
Details regarding invited Resource Person					
Nature of Participation (e.g. Invited Speaker, Participant etc.)					
Date/s		Timing/s		Mode	