VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

Department of Statistics

Departmental Teaching and Evaluation scheme

Three/Four- Years UG Programme

Department/Subject Specific Core or Major (DSC)

(as per NEP-2020 Guidelines)

First Year Semester-I & II

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme Hours/week		Examination Scheme and Marks				Course Credits
				TH	PR	ESE	CIE	PR	Marks	
Semester-I										
1	DSC-I	DSC03STA11	Descriptive Statistics I	2	-	40	10	-	50	2
2	DSC-II	DSC03STA12	Elementary Probability Theory	2	-	40	10	-	50	2
3	MIN-I	MIN03STA11	Descriptive Statistics I	2	-	40	10	-	50	2
4	MIN-II	MIN03STA12	Elementary Probability Theory	2	-	40	10	-	50	2
5	OEC-I	OEC03STA11	Data Visualization & Sample Survey	2	-	40	10	-	50	2
6	OEC-II	OEC03STA12	Exploratory Data Analysis	2	-	40	10	-	50	2
7	IKS-I	IKS03GEC11	Indian Knowledge System	2	-	25	-	-	25	2
8	DSC-PR-I	DSC03STA19	DSC Statistics Practical I	-	4	-	-	25	25	2
9	MIN-PR-I	MIN03STA19	MIN Statistics Practical I	-	4	-	-	25	25	2
10	OEC-PR-I	OEC03STA19	OEC Statistics Practical I	-	4	-	-	25	25	2
Semester –I Total				**14**	**12**	**265**	**60**	**75**	**400**	**20**
Semester-II										
1	DSC-III	DSC03STA21	Descriptive Statistics II	2	-	40	10	-	50	2
2	DSC-IV	DSC03STA22	Discrete Probability Distributions	2	-	40	10	-	50	2
3	MIN-III	MIN03STA21	Descriptive Statistics II	2	-	40	10	-	50	2
4	MIN-IV	MIN03STA22	Discrete Probability Distributions	2	-	40	10	-	50	2
5	OEC-III	OEC03STA21	Business Statistics	2	-	40	10	-	50	2
6	OEC-IV	OEC03STA22	Testing of Hypothesis	2	-	40	10	-	50	2
7	VSC-PR-I	VSC03STA29	Basic Statistics with MS-Excel	-	4	-	-	25	25	2
8	DSC-PR-II	DSC03STA29	DSC Statistics Practical II	-	4	-	-	25	25	2
9	MIN-PR-II	MIN03STA29	MIN Statistics Practical II	-	4	-	-	25	25	2
10	OEC-PR-II	OEC03STA29	OEC Statistics Practical II	-	4	-	-	25	25	2
Semester –II Total				**12**	**16**	**240**	**60**	**100**	**400**	**20**

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Second Year Semester-III & IV

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme Hours/week		Examination Scheme and Marks				Course Credits
				TH	PR	ESE	CIE	PR	Marks	
Semester-III										
1	DSC-V	DSC03STA31	Probability Distributions I	2	-	40	10	-	50	2
2	DSC-VI	DSC03STA32	Statistical Methods-I	2	-	40	10	-	50	2
3	MIN-V	MIN03STA31	Applied Statistics-I	2	-	40	10	-	50	2
4	MIN-VI	MIN03STA32	Predictive Modeling	2	-	40	10	-	50	2
5	VSC-PR-II	VSC03STA39	Statistical computing using MS-Excel	-	4	-	-	25	25	2
6	DSC-PR-III	DSC03STA39	DSC Statistics Practical III	-	8	-	-	50	50	4
7	MIN-PR-III	MIN03STA39	MIN Statistics Practical III	-	4	-	-	25	25	2
Semester –III Total				**8**	**16**	**160**	**40**	**100**	**300**	**16**
Semester-IV										
1	DSC-VII	DSC03STA41	Probability Distributions II	2	-	40	10	-	50	2
2	DSC-VIII	DSC03STA42	Statistical Methods II	2	-	40	10	-	50	2
3	MIN-VII	MIN03STA41	Applied Statistics-II	2	-	40	10	-	50	2
4	MIN-VIII	MIN03STA42	Hypothesis Testing	2	-	40	10	-	50	2
5	VSC-PR-III	VSC03STA49	Introduction to R	-	4	-	-	25	25	2
6	DSC-PR-IV	DSC03STA49	DSC Statistics Practical IV	-	8	-	-	50	50	4
7	MIN-PR-IV	MIN03STA49	MIN Statistics Practical IV	-	4	-	-	25	25	2
Semester –IV Total				**8**	**16**	**160**	**40**	**100**	**300**	**16**

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Third Year Semester-V & VI

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme Hours/week		Examination Scheme and Marks				Course Credits
				TH	PR	ESE	CIE	PR	Marks	
Semester-V										
1	DSC-IX	DSC03STA51	Probability Distributions	2	-	40	10	-	50	2
2	DSC-X	DSC03STA52	Statistical Inference I	2	-	40	10	-	50	2
3	DSC-XI	MIN03STA53	Sampling Techniques	2	-	40	10	-	50	2
4	DSC-XII	SEC03STA54	Operations Research	2	-	40	10	-	50	2
5	DSE-I	DSE03STA51	Reliability Theory	2	-	40	10	-	50	2
		DSE03STA52	Actuarial Statistics							
6	VSC-PR-IV	VSC03STA59	Statistical Computing using R	-	4	-	-	25	25	2
7	FP	FPR03STA51	Field Project		4			50	50	2
8	DSC-PR-V	DSC03STA39	DSC Statistics Practical V	-	16	-	-	100	100	8
Semester –V Total				**10**	**24**	**200**	**50**	**175**	**425**	**22**
Semester-VI										
1	DSC-XIII	DSC03STA61	Probability Theory	2	-	40	10	-	50	2
2	DSC-XIV	DSC03STA62	Statistical Inference II	2	-	40	10	-	50	2
3	DSC-XV	DSC03STA63	Design of Experiments	2	-	40	10	-	50	2
4	DSC-XVI	SEC03STA64	Quality Management	2	-	40	10	-	50	2
5	DSE-II	DSE03STA61	Stochastic Processes	2	-	40	10	-	50	2
		DSE03STA62	Biostatistics							
6	VSC-PR-V	VSC03STA69	Introduction to Python Programming	-	4	-	-	25	25	2
7	OJT	OJT03STA61	On Job Training		4			50	50	2
8	DSC-PR-VI	DSC03STA49	DSC Statistics Practical VI	-	16	-	-	100	100	8
Semester –VI Total				**10**	**24**	**200**	**50**	**175**	**425**	**22**

Abbreviations: TH-Theory, PR-Practical, PRO- Project, ESE- End Semester Examination, CIE-Continuous Internal Examination

Note:
Minimum passing for 10 marks Internal evaluation = 04 marks
Minimum passing for 40 marks Theory paper = 16 marks
Minimum passing for 25 marks Practical = 10 marks
Minimum passing for 50 marks Practical/FP/OJT = 20 marks
Minimum passing for 100 marks Practical/FP = 40 marks

Passing percentage for Democracy, Election and Good Governance (DEGG) and Environmental Studies papers should be 40%

Separate passing for each Head - ESE, CIE and Practicals