

**B.SC STATISTICS (CBCS – Pattern)**  
**CURRICULUM FRAME WORK FOR THE BATCH OF CANDIDATES**  
**Admitted to the course of study from 2013– 2014 onwards**

S.No	SEM	Study Component	Title of the paper	Lecturer		Max.Mark			Credit
				Theory	Practical	In	Ex	Total	
1	I	Language	Language – Paper I	6	-	25	75	100	3
2		English	English – Paper I	6	-	25	75	100	3
3		Core I	Descriptive Statistics	4	-	15	60	75	3
4		Core II	Probability and Random Variables	4	-	15	60	75	3
		Core	Core Practical - I	-	3	-	-	-	-
5		Allied	Mathematics -I	6	-	25	75	100	5
		Soft Skill - I	*****						3
		NME- I	*****	2(1+1)					2
<b>Total</b>								<b>450</b>	<b>22</b>
6	II	Language	Language – Paper II	6	-	25	75	100	3
7		English	English – Paper II	6	-	25	75	100	3
8		Core III	Distribution Theory - I	4	-	15	60	75	3
9		Core IV	Matrix Algebra	4	-	15	60	75	3
		Core	Core Practical - I	-	3	20	30	50	2
10		Allied	Mathematics -II	6	-	25	75	100	5
		Soft Skill - II	*****						3
		NME- II	*****	2(1+1)					2
<b>Total</b>								<b>500</b>	<b>24</b>
11	III	Language	Language – Paper III	6	-	25	75	100	3
12		English	English – Paper III	6	-	25	75	100	3
13		Core V	Distribution Theory - II	4	-	15	60	75	3
14		Core VI	Demography	4	-	15	60	75	3
		Core	Core Practical - II	-	3	-	-	-	-
15		Allied	Programming In C++	4	2	15	60	75	4
		EVS	*****	2(1+1)					2

<b>Total</b>								<b>425</b>	<b>18</b>
16	IV	Language	Language – Paper IV	6	-	25	75	100	3
17		English	English – Paper IV	6	-	25	75	100	3
18		Core VII	Statistical Inference - I	4	-	15	60	75	3
19		Core V III	Operations Research - I	4	-	15	60	75	3
		Core	Core Practical - II	-	3	20	30	50	2
20		Allied	Numerical Methods	4	-	15	60	75	4
		Allied	Allied Practical		2	20	30	50	2
		Soft Skill - III	*****	2(1+1)					3
<b>Total</b>								<b>525</b>	<b>23</b>

S.No	SEM	Study Component	Title of the paper	Lecturer		Max.Mark			Credit
				Theory	Practical	In	Ex	Total	
21	V	Core IX	Statistical Inference - II	5	-	15	60	75	3
22		Core X	Design of Experiments	5	-	15	60	75	3
23		Core XI	Applied Statistics	5	-	15	60	75	3
24		Core XII	Operations Research -II	5	-	15	60	75	3
25		Core Elective I	Excel -VBA	1	4	40	60	100	5
		Core	Core Practical - III (Calculated Based)	-	3	15	60	75	3
		Core	Core Practical – IV (Computer Based)	-	2	20	30	50	2
		Soft Skill - IV	*****						3
<b>Total</b>								<b>525</b>	<b>25</b>
26	VI	Core - XIII	Sampling Techniques	4	-	15	60	75	3
27		Core -XIV	SQC & Reliability	4	-	15	60	75	3
28		Core - XV	Regression Analysis	4	-	15	60	75	3
29		Core -XVI	Stochastic Processes	5	-	15	60	75	3
30		Core Elective II	Data Analysis using SPSS	5	-	40	60	100	5

31	Core Elective III/ Project	Actuarial Statistics	5	-	25	75	100	5
	Core	Core Practical V	-	3	15	60	75	3
	Value addition course	*****						2
<b>Total</b>							<b>575</b>	<b>27</b>

**TOTAL NUMBER OF PAPERS:**

<b>Papers</b>	<b>Marks</b>
LANGUAGES	400
ENGLISH	400
ALLIED	400
CORE ELECTIVE	300
CORE (THEORY + PRACTICAL)	1500
<b>Total</b>	<b>3000</b>