



ST. XAVIER'S COLLEGE
(AUTONOMOUS)
5, Mahapalika Marg, Mumbai - 400 001,
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1.2.2: PROGRAMME STRUCTURE: SUMMARY OF COURSE REQUIREMENTS AND CREDIT REQUIREMENT

❖ Undergraduate Programmes

- B.A.
- B.A. (Mass Media)
- B.Sc.
- B.Sc.-IT
- B.Com.
- BMS

❖ Postgraduate Programmes

- M.A.
- M.Sc.

❖ Research Programmes

- M.Sc. (By Research)
- PhD



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UNDERGRADUATE PROGRAMMES



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❖ **BACHELOR OF ARTS (B.A.)**

• **List of Programmes**

Programme Name	Code
Bachelor of Arts (Ancient Indian Culture)	AAIC
Bachelor of Arts (Economics)	AECO
Bachelor of Arts (English)	AENG
Bachelor of Arts (History)	AHIS
Bachelor of Arts (Political Science)	APOL
Bachelor of Arts (Psychology)	APSY
Bachelor of Arts (Sociology)	ASOC
Bachelor of Arts (Economics-Sociology)	AECO/ASOC
Bachelor of Arts (Economics-Psychology)	AECO/APSY
Bachelor of Arts (Economics-Commerce)	AECO/ACOM
Bachelor of Arts (Economics-Statistics)	AECO/ASTA
Bachelor of Arts (Psychology-Sociology)	APSY/ASOC
Bachelor of Arts (Psychology-Anthropology)	APSY/AANT
Bachelor of Arts (Sociology-Anthropology)	ASOC/AANT


• **Summary of Course and Credits requirements for completion of the Programme**

Mandatory Requirements	No. of Courses
FY: 3 Subjects (<i>Choice From 3 different groups</i>) SY: 3 Subjects continue TY: 1 Subject for Single Majors or 2 Subjects for Double Majors, including 4 courses of an applied nature, related to the Subjects.	30
FY: Languages (English & an Indian <i>or</i> Foreign language)	4
FY & SY: Special Courses	3
Cross Faculty Course in SY (<i>Electives</i>)	1
SY: General Applied Component	2
Total Courses	40

- **Academic Credits:** One Credit consists of 30 hours of contact and self-study



NAAC SSR Cycle 4 (2015-2020):
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• Choice of Subjects at FYBA

Students are expected to *choose* any three subjects, one from each Group mentioned below in order of preference, for the first two years and select one among them for a Single major or two for a Double Major in the third year.

Group A	Group B	Group C
Economics (A) *	Ancient Indian Culture *	History *
Political Science *	English *	Economics (B) *
Psychology *	Sociology (A) *	Statistics **
Sociology (B) *	Commerce **	Anthropology **
		French ***
		Hindi ***

Key	Nature of Majors at TY	No. of Courses
*	Subject available as Single or Double Majors at Third Year	12 or 6 in each
**	Only Double Majors at Third Year	6 in each
***	No Majors at Third Year	2 (FY); 4 (SY) & 0(TY)
Economics (A)/(B) and Sociology (A)/(B)	(A) / (B) represents the same subject (conducted as separate division) and can be selected in only one group	

Course and Credit requirement for First Year BA

Course Groups	No of courses		L/Week/ Course/ Sem	Credits/ Course/ Sem
	Sem 1	Sem 2		
Special Courses	1	1	3	3
Critical Reading, Thinking & Writing courses	1	1	4	3
Languages (other than English): French or Hindi	1	1	4	3
Subject 1	1	1	4	4
Subject 2	1	1	4	4
Subject 3	1	1	4	4
Total	6	6	23	21



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L/Week/Course/Sem: Lectures held per week for one course per semester

Course and Credit requirement for Second Year BA

Course Groups	No of courses		L/Week/ Course/ Sem	Total L/ Week/ Sem	Credits/ Course/ Sem	Total Credits/ Sem
	Sem 3	Sem 4				
Special Courses	1	-	3	3	3	3
<i>Cross Faculty Course (Elective)</i>		1	3	3	3	
Applied Component	1	1	4	4	3	3
Subject 1	2	2	3	6	3	6
Subject 2	2	2	3	6	3	6
Subject 3	2	2	3	6	3	6
Total	8	8		25		24

Course and Credit requirement for Third Year BA

Single Major

Course Groups	No of courses		L/Week/ Course/ Sem	Total L/Week/ Sem	Credits/ Course/ Sem	Total Credits/ Sem
	Sem 5	Sem 6				
Applied Component	2	2	3	6	4	8
Major Subject 1	4	4	4	16	5	20
Total	6	6		22		28

Double Major

Course Groups	No of courses		L/Week/ Course/ Sem	Total L/Week/ Sem	Credits/ Course/ Sem	Total Credits/ Sem
	Sem 5	Sem 6				
Applied Component	2	2	3	6	4	8
Major Subject 1	2	4	4	8	5	10
Major Subject 2	2	4	4	8	5	10
Total	6	6		22		28



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- **Non-Academic Credits:**

Mandatory Component	Total hours			Credits
	FY	SY	TY	Total
Extra-curricular Credit (ECC)	20	20	10	2
Social Involvement Programme (SIP)	50	-	-	2



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❖ BACHELOR OF ARTS (MASS MEDIA)

- List of Programmes

Programme Name	Code
Bachelor of Arts (Mass Media with Journalism)	AMM
Bachelor of Arts (Mass Media with Advertising)	AMM

- Summary of Course and Credits requirements for completion of the Programme


Mandatory Requirements	No. of Courses
Core Subjects at FY, SY and TY	36
Special Course Group	4
Total Courses	40

- Academic Credits- One Credit consists of 30 hours of contact and self-study.

Course and Credit requirement for F.Y.B.M.M. (SEMESTERS I & II)								
Subjects	1	2	3	4	5	6	7	Total
L/Week	3	4	4	4	4	4	4	27
Credits	3	3	3	3	3	3	3	21
Course and Credit requirement for S.Y.B.M.M. (SEMESTERS III & IV)								
Subjects	1	2	3	4	5	6	7	Total
L/Week	3	4	4	4	4	4	4	27
Credits	3	3	4	3	4	3	4	24
Course and Credit requirement for T.Y.B.M.M (SEMESTERS V & VI)								
Subjects		1	2	3	4	5	6	Total
SEM V	Credits (Adv)	5	4	5	4	5	5	28
	L/Week	4	4	4	4	4	4	24
	Credits (J)	4	5	5	5	5	4	28
SEM VI	Credits (Adv)	5	5	5	5	4	4	28
	L/Week	4	4	4	4	4	4	24
	Credits (J)	5	5	4	4	5	5	28



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• **Non-Academic Credits:**

Mandatory Component	Total hours			Credits
	FY	SY	TY	Total
Extra-curricular Credit (ECC)	20	20	10	2
Social Involvement Programme (SIP)	50	-	-	2



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❖ **BACHELOR OF SCIENCE (B.Sc.)**

• **List of Programmes**

Programme Name	Code
Bachelor of Science (Chemistry)	SCHE
Bachelor of Science (Geology)	SGEO
Bachelor of Science (Physics)	SPHY
Bachelor of Science (Life Science)	SLSC
Bachelor of Science (Mathematics)	SMAT
Bachelor of Science (Statistics)	SSTA
Bachelor of Science (Botany-Zoology)	SBOT/SZOO
Bachelor of Science (Botany-Biochemistry)	SBOT/SBCH
Bachelor of Science (Life Science-Biochemistry)	SLSC/SBCH
Bachelor of Science (Microbiology-Biochemistry)	SBCH/SBCH
Bachelor of Science (Zoology-Biochemistry)	SZOO/SBCH

• **Choice of Subjects at F.Y.B.Sc.**

Students are expected to *choose* any one subject combination, from among 11 combinations at the First Year

Key: Botany = BOT, Biochemistry = BCH, Chemistry = CHE, Economics = ECO, Geology = GEO, Life Science = LSC, Mathematics = MAT, Microbiology = MIC, Physics = PHY, Statistics = STA, Zoology = ZOO

Sr. No.	F.Y.B.Sc.	S.Y.B.Sc.	T.Y.B.Sc.
1	(LSC +CHE + PHY)	(LSC +CHE)	LSC or (BCH + LSC) or CHE
		or (PHY + CHE)	PHY or CHE
2	(LSC +CHE + GEO)	(CHE + LSC)	LSC or (BCH + LSC) or CHE
		or (CHE + GEO)	CHE or GEO
3	(LSC +CHE + BOT)	(LSC + CHE)	LSC or (BCH + LSC) or CHE
		or (BOT + CHE)	(BOT + BCH) or CHE
4	(MIC+ CHE +PHY)	(MIC + CHE)	(BCH + MIC) or CHE
		or (PHY + CHE)	CHE or PHY
5	(MIC + CHE + ZOO)	(MIC + CHE)	(BCH + MIC) or CHE





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Sr. No.	F.Y.B.Sc.	S.Y.B.Sc.	T.Y.B.Sc.
		or (CHE + ZOO)	(BCH + ZOO) or CHE
6	(BOT + CHE + ZOO)	(CHE + BOT)	(BOT + BCH) or CHE
		or (CHE + ZOO)	(BCH + ZOO) or CHE
		or (BOT + ZOO)	(BOT + ZOO)
7	(CHE + PHY + MAT)	(PHY + CHE)	CHE or PHY
		or (PHY + MAT)	MAT or PHY
8	(PHY + CHE + GEO)	(CHE + GEO)	CHE or GEO
		or (CHE + PHY)	CHE or PHY
		or (PHY+GEO)	PHY or GEO
9	(PHY + MAT + GEO)	(GEO + PHY)	GEO or PHY
		or (PHY + MAT)	MAT or PHY
10	(PHY + MAT + STA)	(PHY + MAT)	MAT or PHY
		or (MAT + STA)	MAT or STA
11	(ECO + MAT + STA)	(MAT + STA)	MAT or STA


- **Single Majors:** Physics, Chemistry, Mathematics, Statistics, Life Sciences and Geology/
Double Majors: Botany, Biochemistry, Life Science, Microbiology & Zoology, provided that the subject has been offered at the S.Y.B.Sc. level.
- **Summary of Course and Credit requirements for completion of the Programme**
- **Details of course requirements (year wise) and summary of Credits**

Mandatory Requirements	No. of Courses
3 Subjects at First Year, 2 Subjects at Second Year, 1 Subject for Single Majors or 2 Subjects for Double Majors, including 2 courses of an applied nature (<i>Electives</i>) at the Third year	48
Special Course Group	3
Cross Faculty Course (<i>Electives</i>)	1
Scientific Communication Skills	2
Total Courses	54



Academic Credits- One Credit consists of 30 hours of contact and self-study.

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Course and Credit requirements for First Year B.Sc.

Course Requirements	Sem 1	Sem 2	L/week/ course/ Sem	Total L/ week/ Sem	Credits/ Course/ Sem	Total Credits/ Sem
Special Courses	1	1	3	3	3	3
Subject 1 Theory	2	2	3	6	2	4
Subject 1 Practical	1	1	6	6	2	2
Subject 2 Theory	2	2	3	6	2	4
Subject 2 Practical	1	1	6	6	2	2
Subject 3 Theory	2	2	3	6	2	4
Subject 3 Practical	1	1	6	6	2	2
Total	10	10		39		21

Course and Credit requirements for Second Year B.Sc.

Course Requirements	Sem 3	Sem 4	L/week/ course/ Sem	Total L/ week/ Sem	Credits/ Course/ Sem	Total Credits/ Sem
Special Course / Cross Faculty Course (Electives)	1	1	3	3	3	3
Subject 1 Theory	3	3	3	9	2	6
Subject 1 Practical	1	1	9	9	2	3
Subject 2 Theory	3	3	3	9	2	6
Subject 2 Practical	1	1	9	9	2	3
Scientific Comm. Skills	1	1	1	1	2	1
Total	10	10		40		22

**Course and Credit requirements for T.Y.B.Sc.
Single Major**

Course Requirements	Sem 5	Sem 6	L/week/ course/ Sem	Total L/ week/ Sem	Credits/ Course/ Sem	Total Credits/ Sem
Subject 1 Theory	4	4	4	16	4	16
Subject 1 Practical	1	1	16	16	8	8
Applied Component Theory (Electives)	1	1	4	4	2	4
Applied Component Practical	1	1	4	4	2	2
	7	7		40		30



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Double Majors

Course Requirements	Sem 5	Sem 6	L/week/ course/ Sem	Total L/ week/ Sem	Credits/ Course/ Sem	Total Credits/ Sem
Subject 1 Theory	2	2	4	8	4	8
Subject 1 Practical	1	1	8	8	4	4
Subject 2 Theory	2	2	4	8	4	8
Subject 2 Practical	1	1	8	8	4	4
Applied Component Theory (<i>Electives</i>)	1	1	4	4	2	4
Applied Component Practical	1	1	4	4	2	2
Total	8	8		40		30

• **Non-Academic Credits:**

Mandatory Component	Total hours			Credits
	FY	SY	TY	Total
Extra-curricular Credit (ECC)	20	20	10	2
Social Involvement Programme (SIP)	50	-	-	2



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❖ **BACHELOR OF SCIENCE- INFORMATION TECHNOLOGY (BSc. IT)**
Programme Code (SITS)

- **Summary of Course and Credit requirements for completion of the Programme**

Mandatory Requirements	No. of Courses
Core Subjects at FY, SY and TY	40
Special Course Group	4
Total Courses	44

- **Academic Credits**-One Credit consists of 30 hours of contact and self-study.

Course and Credit requirements for F.Y.B.Sc. (IT) (Semesters I & II)								
Course	Th-1	Th-2	Th-3	Th-4	Th-5	Th-6	Practicals	Total
L/Week	3	4	4	4	4	4	6	29
Credits	3	3	3	3	3	3	3	21

Course and Credit requirements for S.Y.B. Sc. (IT) (Semester III & IV)								
Course	Th-1	Th-2	Th-3	Th-4	Th-5	Th-6	Practicals	Total
L/Week	3	4	4	4	4	4	12	35
Credits	3	3	4	3	4	3	6	24

Course and Credit requirements for T.Y.B. Sc. (IT) (Semester V & VI)								
Course	Th-1	Th-2	Th-3	Th-4	Th-5	Practicals	Th-6	Total
L/Week	4	4	4	4	4	12	1	33
SEM V Credits	4	4	4	4	4	8	---	28
L/Week	4	4	4	4	---	6	12 (PJ)	34
SEM VI Credits	4	4	4	4	---	4	8 (PJ)	28

- **Non-Academic Credits:**

Mandatory Component	Total hours			Credits
	FY	SY	TY	Total
Extra-curricular Credit (ECC)	20	20	10	2
Social Involvement Programme (SIP)	50	-	-	2





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❖ **BACHELOR OF COMMERCE (B.Com.)**
Programme Code: CCOM

- Summary of Course and Credit requirements for completion of the Programme

Mandatory Requirements	No. of Courses
Subjects at FY, SY, TY including 6 courses of an applied nature, related to the Subjects at TY	38
Special Course Group	4
Total Courses	42

- **Academic Credits-** One Credit consists of 30 hours of contact and self-study.


Course and Credit requirements for F.Y.B.Com. per Semester								
Subject	1	2	3	4	5	6	7	Total
L/Week	3	4	3	5+1	3	4+1	3	27
Credits	3	3	3	3	3	3	3	21
Course and Credit requirements for S.Y.B.Com. per Semester								
Subject	1	2	3	4	5	6	7	Total
L/Week	3	3	4	4	4	4	2	24
Credits	3	3	4	4	3	3	2	22
Course and Credit requirements for T.Y.B.Com. per Semester								
Subject	1	2	3	4	5	6	7	Total
L/Week	4	4	3	4	3	3	3	24
Credits	5	5	4	5	3	4	4	30

- **Non-Academic Credits:**

Optional Component	Total hours			Credits
	FY	SY	TY	Total
Extra-curricular Credit (ECC)	20	20	10	2



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❖ **BACHELOR OF MANAGEMENT STUDIES (BMS)**

Programme Code: CMS

- Summary of Course and Credit requirements for completion of the Programme

Mandatory Requirements	No. of Courses
Core Subjects at FY, SY and TY	35
Special Course Group	4
Elective Courses	2
Total Courses	41

- **Academic Credits-** One Credit consists of 30 hours of contact and self-study.

Course and Credit requirements for F.Y.B.M.S. (Semester I & II respectively)									
Subjects	1	2	3	4	5	6	7	Total	
L/Week	3	4	4	4	4	4	4	27	
Credits	3	3	3	3	3	3	3	21	
Course and Credit requirements for S.Y.B.M.S. (Semester III & IV respectively)									
Subjects	1	2	3	4	5	6	7	Total	
L/Week	3	4	4	4	4	4	4	27	
Credits	3	4	4	3	4	3	3	24	
Course and Credit requirements for T.Y.B.M.S. (Semester V & VI respectively)									
	Subjects	1	2	3	4	5	6	7	Total
SEM V	L/Week	4	4	4	4	4	4	3	27
	Credits	5	4	4	4	4	4	3	28
SEM VI	L/Week	4	4	4	4	4	4	--	27
	Credits	5	5	4	5	4	5	--	28

- **Non-Academic Credits:**

Mandatory Component	Total hours			Credits
	FY	SY	TY	Total
Extra-curricular Credit (ECC)	20	20	10	2
Social Involvement Programme (SIP)	50	-	-	2





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❖ MASTER OF ARTS (M.A.)

- Summary of Course and Credit requirements for completion of the Programme in
- MA in Ancient Indian Culture

Programme Code: AAIC

	Sem I	Sem II	Sem III	Sem IV	Total
Courses	3 + 1E	3 + 1E	4	3 + 1E	16
L/Week	24	24	24	24	--
Total Credits	24	24	24	24	96

1E= One Elective course out of 2 courses

- MA in Public Policy

Programme Code: PP

	Sem I	Sem II	Sem III	Sem IV	Sem IV Project	Total
Courses	4	3 + 1E	3 + 1E	3 + 1E	1	16
L/Week	20	20	24	18	14	--
Total Credits	20	20	24	18	14	96

1E= One Elective course out of 2 courses

- MA in Lifespan Counselling (Psychology)

Programme Code: APSY

	Sem I			Sem II			Sem III			Sem IV			Total		
	T	P	D	T	P	D	T	P	D	T	P	D	T	P	D
Courses	5	1		4	1		4	1		4	1	1	16	4	1
L/Week	16	-	-	16	-	-	16	-	-	16	-	-			
Credits	16	4	1	16	8	1	16	8	1	16	8	1	64	28	4
Total Credits	21			25			25			25			96		

T: Theory; P: Practicum/Field Work; D: Dissertation/Research Work



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❖ MASTER OF SCIENCE (M.Sc.)

- Summary of Course and Credits requirements for completion of the Programme in

- M.Sc. in Botany

Programme Code: SBOT

	Sem I		Sem II		Sem III		Sem IV		Total	
	T	P	T	P	T	P	T	P	T	P
Courses	4	1	4	1	4	1	4	1	16	4
L/Week	16	16	16	16	16	16	16	16	--	--
Credits	16	8	16	8	16	8	16	8	64	32
Total Credits	24		24		24		24		96	

- M.Sc. in Geology

Programme Code: SGEO

	Sem I		Sem II		Sem III		Sem IV			Total		
	T	P	T	P	T	P	T	P	D	T	P	D
Courses	4	4	4	4	4	4	3	3	1	15	15	1
L/Week	16	16	16	16	16	16	12	12	8	--	--	--
Credits	16	8	16	8	16	8	12	6	6	60	30	6
Total Credits	24		24		24		24			96		

- M.Sc. in Life Science


Programme Code: SLSC

	Sem I		Sem II		Sem III		Sem IV		Total	
	T	P	T	P	T	P	T	P	T	P
Courses	4	1	4	1	4	1	4	1	16	4
L/Week	16	16	16	16	16	16	16	16	--	--
Credits	16	8	16	8	16	8	16	8	64	32
Total Credits	24		24		24		24		96	

T: Theory; P: Practical, PJ/D: Research Project / Dissertation



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• **M.Sc. in Microbiology**

Programme Code: SMIC

	Sem I		Sem II		Sem III		Sem IV		Total		
	T	P	T	P	T	PJ	T	P	T	PJ	P
Courses	4	4	4	4	3	1	4	4	16	1	12
L/Week	16	16	16	16	16	24	16	16	--	--	
Credits	16	8	16	8	12	12	16	8	60	12	24
Total Credits	24		24		24		24		96		

• **Biotechnology**

Programme Code: SBTS

	Sem I		Sem II		Sem III		Sem IV			Total		
	T	P	T	P	T	P	T	P	PJ	T	P	PJ
Courses	4	1	4	1	4	1	1	1	1	16	4	1
L/Week	16	16	16	16	16	16	4	8	--	--	--	--
Credits	16	8	16	8	16	8	4	4	16	52	28	16
Total Credits	24		24		24		24			96		

• **Big Data Analytics**


Programme Code: ITS

	Sem I		Sem II		Sem III		Sem IV			Total		
	T	P	T	P	T	P	T	P	PJ	T	P	PJ
Courses	4	3	6	2	5	3	--	--	1	16	4	1
L/Week	15	12	18	8	19	12	--	--	--	--	--	--
Credits	15	9	18	6	19	9	--	--	20	52	24	20
Total Credits	24		24		28		20			96		

T: Theory; **P:** Practical, **PJ:** Research Project /Internship /Dissertation



NAAC SSR Cycle 4 (2015-2020):
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- **M.Sc. in Astrophysics (Physics)**


Programme Code: SPHY

	Sem I		Sem II		Sem III		Sem IV			Total		
	T	P	T	P	T	P	T	P	PJ	T	P	PJ
Courses	4	4	4	4	4	4	--	--	1	16	4	1
L/Week	16	16	16	16	16	16	--	--	--	--	--	--
Credits	16	8	16	8	16	8	--	--	24	48	24	24
Total Credits	24		24		24		24			96		

T: Theory; **P:** Practical, **PJ:** Research Project /Internship /Dissertation



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RESEARCH PROGRAMMES



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❖ MASTER OF SCIENCE (M.Sc.) by Research

- A student enrolled for MSc (By Research) has to comply with the directives and guidelines promogulated by University of Mumbai regarding M.Sc. (By Research) courses for completion of the Programme.
- The current rules about duration, credit requirements, syllabus and course work, standards of completion of the programme are as per the regulations mentioned in the University of Mumbai Circular UG/09 of 2012 dated 21st February, 2012.

❖ DOCTOR OF PHILOSOPHY (PhD)

- A student enrolled for Ph.D. has to comply with the directives and guidelines which are promogulated by UGC and University of Mumbai regarding the PhD programmes for completion of the Programme.
- The duration, credit requirements, syllabus and course work standards of completion are as per the minimum standards and procedures for the award of PhD degrees in respective subjects in the University of Mumbai as per notification of UGC regulation 2016, published in the Gazette of India, 5th July 2016 (ASADHA 14,1938) and the notification of University of Mumbai No. Exam/Thesis/Univ./VCD/947 of 2018.



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