## DEPARTMENT OF BOTANY

HONOURS/GENERAL	COURSES	PAPER/	JULY-SEPTEMBER		OCTOBER -DECEMBER	JANUARY
CBCS		NUMBER OF				
		LECTURES				
SEMESTER-I	CORE-	BOTACOR01 T	UNIT 1:INTRODUCTION		UNIT 5: CYANOPHYTA AND	
	C1	60	TO MICROBIAL WORLD,		XANTHOPHYTA, UNIT 3:	
		(THEORY)	UNIT 2:VIRUSES, UNIT		CHLOROPHYTA AND	
			3:BACTERIA, UNIT 4:		CHAROPHYTA, UNIT	
			ALGAE: GENERAL		7:PHAEOPHYTA AND	
		BOTACOR01 P	ACCOUNT,		RHODOPHYTA.	
		30	NO. OF CLASSES= 32			
		(PRACTICAL)			NO OF CLASSES=28	
			MICROBIOLOGY:	_		Z
			1.VIRUS, 2. BACTERIA.		MICROBIOLOGY: 1. MEDIUM	OŢ
			PHYCOLOGY: 1. STUDY	Ē	PREPARATION, STERILIZATION,	AT
			OF VEGETATIVE AND	<u>                                   </u>	4. GRAM STAINING.	Z
			REPRODUCTIVE	EXAMIATION	PHYCOLOGY: 2.PRISM	$\mathbf{Z}$
			STRUCTURE. NO.	×	DRAWING AND	X
			OF CLASSES=16		MEASUREMENT.	Щ
				TEST	NO. OF CLASSES=14	J Y
	CORE-	BOTACOR02 T	UNIT 1:BIOMOLUCULES:	TE	UNIT 3:ENZYMES, UNIT	UNIVERSITY FINAL EXAMINATION
	C2	60	CARBOHYDRATES,		6:NUCLEUS, CYTOSKELETON,	Щ
		(THEORY)	LIPIDS, PROTEINS,		CHLOROPLAST,	T
			NUCLIC ACIDS, UNIT		MITROCHONDRIAAND	SSI
			2:BIOENERGETICS, UNIT		PEROXISOME.	Ē
			4:THE CELL,		UNIT 7: CELL DIVISION	
		BOTACOR02 P	UNIT 5: CELL WALL		NO. OF CLASSES= 28	5
		30	AND PLASMA			
		(PRACTICAL)	MEMBRANE			
			NO. OF CLASSES= 32		5. STUDY OF CELL	
					ORGANELLES, 6. DNA	
			1. QUALITATIVE TESTS		STAINING, 7MEMBRANE	
			2. STUDY OF PLANT		PERMEABILITY TEST, STUDY	
			CELLS, 3.		OF DIFFERENT STAGES OG	
			MICROMETRY, 4. CELL		MITOSIS AND MEIOSIS.	
			COUNTING.NO. OF		NO. OF CLASSES= 14	
			CLASSES= 16			

	GE I/DSC 1A	BOTHGEC01 T / BOTGCOR01T-60 (THEORY) BOTHGEC01 P / BOTGCOR01P -30 (PRACTICAL)	UNIT 1:MICROBS, UNIT 2:ALGAE, UNIT 3: FUNGI NO. OF CLASSES=34  1. GRAM STAINING, 2.ALGAE, 3-5FUNGI, 6. LICHEN, 7MYCORRHIZA, 8. MARCHANTIA, NO. OF CLASSES=16		UNIT 4:ARCHEGONIATE, UNIT 5:BRYOPHYTES, UNIT 6:PTERIDOPHYTES, UNIT 7:GYMNOSPERMS. NO. OF CLASSES=26 9. FUNARIA. 10. SELAGINELLA, 11.EQUISETUM, 12. PTERIS, 13. CYCAS, 14. PINUS. NO. OF CLASSES=14	
			JANUARY-MARCH		APRIL-JUNE	JULY
SEMESTER-II	CORE- C3	BOTACOR03 T 60 (THEORY) BOTACOR03 P 30 (PRACTICAL)	UNIT 1:INTRODUCTION FUNGI, UNIT 2:CHITRIDIOMYCOTA AND ZYGOMYCOTA, UNIT 3:ASCOMYCOTA, UNIT 4: BASIDIOMYCOTA NO. OF CLASSES=32  1. STUDY OF FUNGI, 2. MICROMETRY, 3. RHIZOPUS, 4. ASPERGILLUS AND PENICILLIUM, 5. ASCOBOLLUS, 8. AGARICUS 6. ALTERNARIA, NO. OF CLASSES=16	TEST EXAMINATION	UNIT 5: ALLIED FUNGI, UNIT 6: OOMYCOTA, UNIT 7: MYCOLOGY, UNIT 9. PHYTOPATHOLOGY. NO. OF CLASSES= 28  7. PUCCINIA, 9. ALBUGO, 10. LICHENS, 11. PHYTOPATHOLOGY: BACTERIAL DEASES, VIRAL DISEASES, FUNGAL DISEASES. NO. OF CLASSES=14	UNIVERSITY FINAL EXAMINATION
	CORE- C4	BOTACOR04 T 60 (THEORY)  BOTACOR04 P 30 (PRACTICAL)	UNIT 1: INTRODUCTION ARCHAEGONIATES. UNIT 2: BRYOPHYTES, UNIT 3:TYPES STUDIES- BRYOPHYTES NO. OF CLASSES=32 1. RICCIA, 2.		UNIT 4: PTERIDOPHYTES, UNIT 5: TYPE SYUDIES- PTERIDOPHYTES, UNIT 6: GYMNOSPERMS. NO. OF CLASSES=28  8. EQUISETUM, 9. PTERIS, 10. CYCAS, 11. PINUS,	UNIVE

		MADOHANTIA 2	10 CNETINA 12 DOTANICAL	
		MARCHANTIA, 3.	12. GNETUM, 13. BOTANICAL	
		ANTHOCEROS,	EXCURSION	
		4. SPHAGNUM, 5.	NO. OF CLASSES=16	
		FUNARIA, 6. PSILOTUM,		
		7. SELAGINELLA		
		NO. OF CLASSES=14		
GE	BOTHGEC02 T	UNIT 1: ECOLOGY-	UNIT 3:PLANT COMMUNITIES,	
2/DSC1E	/	INTRODUCTION, UNIT 2:	UNIT 4:ECOSYSTEM, UNIT	
	BOTGCOR02T-	ECOLOGICAL FACTORS,	5:PHYTOGEOGRAPHY, UNIT	
	60	UNIT 6: PLANT	9:TAXONOMIC HIERARCHY,	
	(THEORY)	TAXONOMY-	UNIT 11: CLASSIFICATIO, UNIT	
		INTRODUCTION, UNIT 7:	12: NOMENCLATURE.	
		IDENTIFICATION, UNIT	NO. OF CLASSES=26	
		8: TAXONOMIC		
	BOTHGECO2 P	EVIDANCES, UNIT 10:		
	/	BOTANICAL	9. FUNARIA. 10. SELAGINELLA,	
	BOTGCOR02P	NOMENCLATURE.	11.EQUISETUM, 12. PTERIS, 13.	
	-30	NO. OF CLASSES=32	CYCAS, 14. PINUS.	
	(PRACTICAL)		NO. OF CLASSES=14	
	,	1. GRAM STAINING,		
		2.ALGAE, 3-5FUNGI, 6.		
		LICHEN,		
		7MYCORRHIZA, 8.		
		MARCHANTIA,		
		NO. OF CLASSES=16		

HONOURS/G ENERAL	COURS ES	PAPER/ NUMBER	JULY-SEPTEMBER	OCTOBER -DECEMBER	
CBCS	ES	OF			
		LECTURE			
CEMECTED	CODE	S BOTACOR	LINET I DELOPENCE LINET 2 ELOWED	LINUTE ( TICOLUE LINUTE 7, ADICAL	
SEMESTER- III	CORE- C5	05 T 60	UNIT 1:INFLORENCE, UNIT 2:FLOWER, UNIT 3:FRUIT AND SEED, UNIT 4:	UNIT 6: TISSUE, UNIT 7:APICAL MERISTEMS, UNIT 8: VASCULAR	
111	CS	(THEORY)	INTRODUNTION TO ANATOMY, UNIT	CAMBIUM AND WOOD, UNIT	
		()	5:STRUCTURE AND DEVELOPMENT OF	9:ADAPTIVE AND PROTECTIVE	
			PLANT BODYNO. OF CLASSES= 32	SYSTEMS.	
		BOTACOR		NO. OF CLASSES=16	
		05 P 30	1.(a-g) a. Apical meristem, b. Distribution	2. Preparation of permanent slides by double	
		(PRACTIC	and types of permanent tissue, c. Xylem d.	staining: a. Root (monocot – Orchid), dicot	
		AL)	Wood types, e. Phloem, f. Epidermal	(Sunflower); b. Stem (monocot- maize), (dicot	
			system, g. Periderm; lenticels; C4 leaves	- Cucurbita).c. Leaf: (Tube rose, Mango), d.	
			(Kranz anatomy); Secretory tissues: cavities,	Adaptive anatomy: (Nerium leaf, Nymphaea	
			lithocysts	petiole) NO. OF	
	CODE	DOTA COD	NO. OF CLASSES=16	CLASSES= 16	
	CORE- C6	BOTACOR 06 T 60	UNIT 1: ORIGIN OF CULTIVATED PLANTS, UNIT 2: CEREALS. UNIT 3:	UNIT 7:SOURCES OF OILS AND FATS, UNIT 8:NATURAL RUBBER, UNIT 9:	
	Co	(THEORY)	LEGUMES, UNIT 4: SOURCES OF	DRUG YIELDING PLANTS, UNIT: 10	
		(IIILOKI)	SUGARS AND STARCHES, UNIT 5:	TIMBER PLANTS, UNIT 11: FIBERS	
			SPICES, UNIT 6: DRINKSNO. OF	NO. OF CLASSES= 28	
		BOTACOR	CLASSES= 32		z
		06 P 30		7. ESSENTIAL OIL-YIELDING PLANTS:	[0]
		(PRACTIC	1. CEREALS: 2. LEGUMES: 3. SOURCES	8. RUBBER:9. DRUG-YIELDING	AT
		AL)	OF SUGARS AND STARCHES: 4.	PLANTS:10. TOBACCO: 11. WOODS: 12.	$\mathbf{Z}$
			SPICES: 5. BEVERAGES:6. SOURCES OF	FIBER-YIELDING PLANTS:	$\Delta_{\mathbf{M}}$
			OILS AND FATS:	NO. OF CLASSES= 14	X
			NO. OF CLASSES= 16		
	CORE-	BOTACOR	UNIT 1: MENDELIAN GENETICS AND	UNIT 4: VARIATION IN CHROMOSOME	[A]
	C7	07 T 60	ITS EXTENSION, UNIT 2:	NUMBER AND STRUCTURE, UNIT 5:	HI
		(THEORY)	EXTRACHROMOSOMAL INHERITANCE UNIT 3: LINKAGE, CROSSING OVER	GENE MUTATIONS,UNIT 6: FINE STRUCTURE OF GENE, UNIT 7.	>
			AND CHROMOSOME MAPPING NO. OF	POPULATION AND EVOLUTIONARY	IIS
			CLASSES= 34	GENETICS. NO. OF CLASSES= 26	ER!
		BOTACOR	CLI IOOLO - 34	GENETICS. NO. OF CERTIFICATION	UNIVERSITY FINAL EXAMINATION
		07 P 30	1a. Mitosis ( <i>Allium cepa</i> , <i>Lens esculentus</i> ,	5. Study of aneuploidy: 6. Photographs and	$\mathbf{z}$
		(PRACTIC	Aloe vera). b. Meiosis (Allium cepa, Rhoeo	permanent slides showing translocation ring,	_
		AL)	discolour). 2. Mendel's laws through seed	Laggards and Inversion Bridge, Multipolarity,	

			ratios(3:1, 1:1, 9:3:3:1, 1:1:1:1). 3.	,	Sticky Bridge, Fragmentation and Pollen	
			Chromosome mapping using point test cross	1	mitosis. 7. Study of human genetic traits:	
			data. 4. Incomplete dominance and gene		Sickle cell anemia, xerodermapigmentosum,	
			interaction(ratio-9:7, 9:6:1, 13:3, 15:1,	;	albinism, red-green colour blindness,	
			12:3:1, 9:3:4).NO. OF CLASSES= 18	,	widow's peak, rolling of tongue, Hitchhiker's	
				1	thumb and attached ear lobe.	
				]	NO. OF CLASSES= 12	
	GE	BOTHGEC	UNIT 1:MERISTEMIC AND		UNIT 5: STRUCTURAL ORGANIZATION	
	3/DSC3	03 T /	PERMANENT TISSURE, UNIT		OF FLOWER, UNIT 6: POLLINATION	
		BOTGCOR	2:ORGANS, UNIT 3: SECONDARY		AND FERTILIZATION, UNIT 7:EMBRYO	
		03T-60	GROWTH, UNIT 4: ADAPTIVE AND		AND ENDOSPERM, UNIT: 8 APOMYXIS.	
		(THEORY)	PROTECTIVE SYSTEM		NO. OF CLASSES=26	
			NO. OF CLASSES=34			
		BOTHGEC			8. STUDY OF OVULES, 9. EGG	
		O3 P /	1. STUDY OF MERISTEMS, 2 STUDY OF		APPARATUS. 10. PALYNOLOGY,	
		BOTGCOR	PERMANENT TISSUES., 3-5 ANATOMY		11.EMBRYOLOGY, 12. STUDY OF	
		O3P -30	OF STEM, ROOT, LEAF, 6. ADAPTIVE		POLLEN GERMINATION.	
		(PRACTIC	ANATOMY.		NO. OF CLASSES=14	
		AL)	NO. OF CLASSES=16			
	SEC1	BOTSSEC0	UNIT 1: PLANT DIVERSITY AND ITS		UNIT 3:CONSERVATION OF	
		1 <b>M</b> /	SCOPE,UNIT 2:LOSS OF		BIODIVERSITY,UNIT 4: ROLE OF	
		BOTSSEC0	BIODIVERSITY.		PLANTS IN RELATION TO HUMAN	
		1	NO. OF CLASSES=16		WELFARE. NO. OF	
					CLASSES=14	
			JANUARY-MARCH		APRIL-JUNE	JUL
						Y
	CORE-	BOTACOR	UNIT 1: NUCLEIC ACIDS: CARRIERS OF	Ī	UNIT 5: TRANSCRIPTION, UNIT 6:	
SEMESTER-	C8	08 T 60	GENETIC INFORMATION, UNIT 2. THE	]	PROCESSING AND MODIFICATION OF	
IV		(THEORY)	STRUCTURES OF DNA AND RNA /	]	RNA, UNIT 7: TRANSLATION.	>-
			GENETIC MATERIAL, UNIT 3: THE	]	NO. OF CLASSES= 34	Έz
			REPLICATION OF DNA UNIT 4:			UNIVERSITY MINATION
		BOTACOR	CENTRAL DOGMA AND GENETIC		5. Study of structures of prokaryotic RNA	VE AT
		08 P 30	CODE.		polymerase. 6. Photographs establishing	
		(PRACTIC			nucleic acid as genetic material, 7. Study of	UNIVERSIT FINAL EXAMINATION
		AL)	NO. OF CLASSES=26		assembly of Spliceosome machinery; splicing	X
			1. Preparation of LB medium, 2. DNA		mechanism in group I & group II introns;	H H
			isolation from cauliflower head. 3. DNA		ribozyme and alternative splicing. NO. OF	AL A
			estimation by diphenylamine reagent/UV	(	CLASSES=14	Z
			Spectrophotometry. 4. Study of DNA			H.

		monlication machanisms thereas he state and		
		replication mechanisms through photograph.		
		NO OF CLASSES=16		
		THE OT CENTED TO		
6077	DOT LOCK	LINUTE A DIVERSION FROM SCALE	LINUTE OF DIVENTIFICATION OF THE PROPERTY OF T	
CORE-	BOTACOR	UNIT 1: INTRODUCTION -ECOLOGY.	UNIT 7: PLANT COMMUNITIES, UNIT 8:	
C9	09T 60	UNIT 2: SOIL, UNIT 3: WATER, UNIT 4:	ECOSYSTEMS, UNIT 9: FUNCTIONAL	
	(THEORY)	LIGHT, TEMPERATURE, WIND AND	ASPECTS OF ECOSYSTEM, UNIT 10:	
		FIRE,UNIT 5: BIOTIC	PHYTOGEOGRAPHY,	
		INTERACTIONS,UNIT 6: POPULATION		
		ECOLOGY.NO. OF CLASSES=28	NO. OF CLASSES=32	
	BOTACOR			
	09 P 30	1. Study of microclimatic variables: 2.	6. (a). Study of anatomical adaptations of	
	(PRACTIC	Determination of pH of various soil and	hydrophytes and xerophytes. (b). Study of	
	AL)	water samples. 3. Analysis for carbonates,	biotic interactions: Stem parasite (Cuscuta),	
		chlorides, nitrates, organic matter and base	Epiphytes (Vanda root), Predation	
		by rapid field tests. 4. Determination of	(Insectivorous plants). 7. Determination of	
		organic carbon of different soil samples. 5.	minimum size of quadrate. 8. Quantitative	
		Determination of dissolved oxygen and	analysis with Raunkiaer's frequency	
		carbon dioxide of water. 10. Field visit to	distribution law. 9. Quantitative analysis for	
		familiarize students with ecology of different	density and abundance.	
		sites. NO. OF CLASSES=20	NO OF CLASSES= 10	
CORE-	BOTACOR	UNIT 1: SIGNIFICANCE OF PLANT	UNIT 5: BIOMETRICS, NUMERICAL	
C10	10 T 60	SYSTEMATICS. UNIT 2: TAXONOMIC	TAXONOMY AND CLADISTICS:	
	(THEORY)	HIERARCHY: CONCEPT OF TAXA	CHARACTERS; VARIATIONS; OTUS,	
		(FAMILY, GENUS, SPECIES);	CHARACTER WEIGHTING AND	
		CATEGORIES AND TAXONOMIC	CODING; CLUSTER ANALYSIS;	
		HIERARCHY; SPECIES CONCEPT, UNIT	PHENOGRAMS, CLADOGRAMS). UNIT 6:	
	BOTACOR	3: BOTANICAL NOMENCLATURE,	PHYLOGENY OF ANGIOSPERMS.	
	10 P 30	UNIT 4: SYSTEMS OF	NO.OF CLASSES=22	
	(PRACTIC	CLASSIFICATION.		
	AL)	-	4. Study of Female gametophyte through	
		NO. OF CLASSES=38	permanent slides/ photographs: 5. Endosperm:	
		1.Study of Anther: 2. Study of Pollen grains:	6. Embryogenesis. NO OF CLASSES=	
		3. Study of Ovule:	18	
		NO OF CLASSES= 12		
GE	BOTHGEC	UNIT 1: PLANT WATER RELATION,	UNIT 7:NITROGEN METABILISM, UNIT	
4/DSC4	04 T /	UNIT 2: MINERAL NUTRITION, UNIT 3:	8: PLANT GROWTH REGULATORS, UNIT	
	BOTGCOR	PHOTOSYNTHESIS, UNIT 4:	9:PLANT RESPONSE TO LIGHT AND	

	04T- 60	RESPIRATION, UNIT 6: ENZYMES.	TEMPERATURE.	
	(THEORY)		NO. OF CLASSES=26	
		NO. OF CLASSES=34		
	BOTHGEC		4. STUDY OF CATALASE ACTIVITY. 5.	
	O4 P /	1. OSMOTIC POTENTIAL, 2. STUDY OF	O <sub>2</sub> EVOLUTION IN PHOTOSYNTHESIS,	
	BOTGCOR	ENVIRONMENTAL FACTORS ON	6.RESPIRATION	
	04P -30	TRANSPIRATION, 3-STOMATAL INDEX	NO. OF CLASSES=14	
	(PRACTIC	AND STOMATAL FREQUENCY.		
	AL)	NO. OF CLASSES=16		
SEC 2	BOTSSEC0	UNIT 1: ETHNOBOTANY, UNIT 2:	UNIT 3: ROLE OF ETHNOBOTANY IN	
	2M/	METHODOLOGY OF	MODERN MEDICINE, UNIT 4:	
	BOTSSEC0	ETHNOBOTANICAL STUDIES.	ETHNOBOTANY AND LEGAL ASPECTS.	
	2	NO. OF CLASSES=12	NO. OF CLASSES=18	

HONOURS	COURSE/NUMBER OF LECTURES	JULY-SEPTEMBER	OCTOBER -DECEMBER	JANUARY-MARCH	Т	Ü
PART -III		PLANT PHYSIOLOGY:	PLANT PHYSIOLOGY:	PLANT PHYSIOLOGY:		
Paper	THEORY=80	PLANT WATER	RESPIRATION, $N_2$	PHOTO MORPHOGENESIS		
VII(THEO=100)		RELATION,	METABOLISM	02PHOTOPERIODISM,DORMANCY		
		TRANSPIRATION	GROWTH REGULATORS	NO. OF CLASSES=9		Z
		MEMBRANE	NO. OF CLASSES=16			
		TRANSPORT, PHLOEM				AMINATION
		TRANSPORT			z	
		PHOTOSYNTHESIS			TION	<del>}</del>
		NO. OF CLASSES=25			ΑT	EX
Paper VII		PLANT	PHARMACOGNOSY:	PLANT BIOTECHNOLOGY:	XAMIA	
		BIOTECHNOLOGY:	GENERAL ACCOUNT,	RECOMBINANT DNA	[A]	FINAL
		PLANT TISSUE	SECONDARY	TECHNOLOGY GENETIC	ΕX	
		CULTURE	METABOLITES IN	ENGINEERING	L	
		CULTURE TECHNIQUE	PLANTS	NO. OF CLASSES=5	TEST	SIT
		MICROPROPAGATION	ACTIVE		T	[SS]
		NO. OF CLASSES=10	CONSTITUENTS			Æ
			NO. OF CLASSES=15			UNIVER
PART-III		MICROSCOPY ,ORIGIN	GENETICS &MOL.	GENETICS &MOL. BIOLOGY:		5
	THEORY=80	& EVOLUTION OF	BIOLOGY:	GENE REGULATION ,GENETIC		
Paper		CELLS, CELL	PLOIDY,	CODE		
VIII(THEO=100)		MEMBRANE	CHROMOSOMAL	BIOINFORMATICS		

		NUCLEUS &	ABERRATION	NO. OF CLASSES=11	
		CHROMOSOME	MUTATION ,DNA		
		CELL CYCLE & ITS	REPLICATION &		
		REGULATIONS	PROTEIN, SYN- THESIS,		
		NO. OF CLASSES=20	STRUCTURAL		
			ORGANIZATION OF		
			GENE		
			NO. OF CLASSES=21		
Paper VIII		GENETICS &MOL.		PLANT BREEDING & BIOMETRY:	
		BIOLOGY:		INTRODUCTION , METHODS OF	
		INHERITANCE		PLANT BREEDING BIOMETRY	
		,LINKAGE, CROSSING		NO. OF CLASSES=15	
		OVER &GENE			
		MAPPING			
		NO. OF CLASSES=13			
Paper-IX	PRACTICAL=	PLANT	PLANT	PHARMACOGNOSY	
(PRAC=100)	25	PHYSIOLOGY(MAJOR	PHYSIOLOGY(MJNOR)	NO. OF CLASSES=5	
		NO. OF CLASSES=6	NO. OF CLASSES=4		
Paper-IX		BIOCHEMISTRY	BIOCHEMISTRY	BIOCHEMISTRY	
		NO. OF CLASSES=4	NO. OF CLASSES=4	NO. OF CLASSES=2	
Paper-X	PRACTICAL=	Study of mitotic	Study of Meiotic	Biometry	1
(PRAC=100)	25	chromosome	Chromosome	Revision	
		Study of Mitotic, Index	Study from, Permanent	NO. OF CLASSES=7	
		NO. OF CLASSES=10	slides		
			NO. OF CLASSES=8		

GENERAL	NUMBER OF	JULY-SEPTEMBER	OCTOBER -DECEMBER	JANUARY-MARCH	Z	APRIL-	L
	LECTURES				$\square$	JUNE	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
PART-III Paper –IV (THEO=70)	THEORY=32	BIOFERTILIZER MUSHROOM PLANT BREEDING	BIOMETRY PLANT TISSUE, CULTURE PHARMACOGNOSY	RECOMBINANT DNA TECHNOLOGY 8. BIOINFORMATICS	AMIAT		SITY FIN
		NO. OF CLASSES=15	NO. OF CLASSES=15	NO. OF CLASSES=7	r ex		VERS
Paper –V (PRAC=30)	PRACTICAL=	CLASS ASSESSMENT	CLASS ASSESSMENT	CLASS ASSESSMENT	TES		UNI