

K. J. SOMAIYA JUNIOR COLLEGE OF SCI & COMM. (BIOLOGY DEPARTMENT) ACADEMIC PLAN F.Y.J.C.BOTANY 1ST TERM 2018-2019.

Week		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	FIRST TERM	
Dates		18/06	25/06	02/07	09/07	16/07	23/07	30/07	06/08	13/08	20/08	27/08	03/09	10/09	18/09	24/09	01/10	08/10	15/10	22/10	29/10
		23/06	30/06	07/07	14/07	21/07	28/07	04/08	11/08	18/08	25/08	01/09	08/09	12/09	22/09	29/09	06/10	13/10	20/10	27/10	03/11
Dr: VINOD T	F.Y.J.C Th. DIV A, E									MORPHOLOGY OF ROOT			LEAF & INFLORESCENCE			FRUITS			TISSUE & PLANTAE		
									Charact&parts and types	Tap root modification	Ad. root modifns for storage	Ad.root modifns. for support & spl.funct.	Charactparts , funct., venation & Types	LeafTypes Modifns. of Phyllotaxy	inflorescenen., signific.& types	Defn., types Parts of a typical fruit Classificat.	Simp.fruit Defn., types Agg. fruit	Composite fruit – Defn., & types	Permanent tissue - simple and complex Anatomy of dicot and monocot root Botanical garden & names in India	TERMINAL EXAM	TERMINAL EXAM
	F.Y.J.C Pr.									Root Modification Stem Modification Pr1	Root Modification Stem Modification Pr1	Leaf modification Inflorescence Pr2	Leaf modification Inflorescence Pr2	Taxonomy/Families Pr3	Taxonomy/Families Pr3	Com. Microscope Mitosis Pr4	Com. Microscope Mitosis Pr4	Sunflower Stem Anatomy Tissue System Pr5 Project	Sunflower Stem Anatomy Tissue System Pr5		
Dr. DEVENDRA JADAV	F.Y.J.C Th. Div C, D									MORPHOLOGY OF ROOT			LEAF & INFLORESCENCE			FRUITS			TISSUE & PLANTAE		
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	F.Y.J.C Pr									Root Modification Stem Modification Pr1	Root Modification Stem Modification Pr1	Leaf modification Inflorescence Pr2	Leaf modification Inflorescence Pr2	Taxonomy/Families Pr3	Taxonomy/Families Pr3	Com. Microscope Mitosis Pr4	Com. Microscope Mitosis Pr4	Sunflower Stem Anatomy Tissue System Pr5 Project	Sunflower Stem Anatomy Tissue System Pr5		

Ms. KANCHAN GAIKWAD									MORPHOLOGY OF STEM				STUDY OF FLOWER			SEEDS	PLANT TISSUE & PLANTAE					
	F.Y.J.C Th. Div. B , D								Parts of Stem, Buds types Functions and modifications of Stem	Undergroun d modification s	Subaerial modification s	Aerial modification s	Defn., Parts and floral whorls	Calyx, Corolla, Perianth & Aestivation	Androecium ,Gynoecium , Placentation 3 Symmetry of flowers	Defn. parts,types, Str. of monocot seed	Defn.,types, Meristem- defn. characters	Classn. based on position,orig in & function Functions of Meristem	Anatomy of leaf, Diff. between dicot & monocot leaf	TERMINAL EXAM	TERMINAL EXAM	
	F.Y.J.C Pr.								Root Modificatio nStem Modificatio n Pr1	Zoo Pr1	Leaf modification nflorescence Pr2	Zoo Pr2	Taxonomy/F amilies Pr3	Zoo Pr3	Com. Microscope Mitosis Pr4	Zoo Pr4	Sunflower Stem Anatomy Tissue System Pr5 Project	Zoo Pr5				
MRS. SHUBHANGI KHAMKAR	F.Y.J.C Th. Div.B							MORPHOLOGY OF ROOT				LEAF & INFLORESCENCE			FRUITS			TISSUE & PLANTAE				
								Charact&par ts and types	Tap root modification	Ad. root modifns for storage	Ad.root modifns. for support & spl.funct.	Charactparts , funct., venation & Types	LeafTypes Modifns. of Phyllotaxy	inflorescenef n., signific.& types	Defn., types Parts of a typical fruit Classificat.	Simp.fruit Defn., types Agg. fruit	Composite fruit – Defn., & types	Permanent tissue - simple and complex Anatomy of dicot and monocot root Botanical garden & names in India	TERMINAL EXAM	TERMINAL EXAM		
	F.Y.J.C Th. Div.C							MORPHOLOGY OF STEM				STUDY OF FLOWER			SEEDS	PLANT TISSUE & PLANTAE						
									Parts of Stem, Buds types Functions and modification s of Stem	Undergroun d modification s	Subaerial modifications	Aerial modification s	Defn., Parts and floral whorls	Calyx, Corolla, Perianth & Aestivation	Androecium, Gynoecium, Placentation 3 Symmetry of flowers	Defn. parts,types, Str. of monocot seed	Defn.,types, Meristem- defn. characters	Classn. based on position,orig in & function Functions of Meristem	Anatomy of leaf, Diff. between dicot & monocot leaf	TERMINAL EXAM	TERMINAL EXAM	
	F.Y.J.C Pr.								Root Modification Stem Modification Pr1	Zoo Pr1	Leaf modification nflorescence Pr2	Zoo Pr2	Taxonomy/F amilies Pr3	Zoo Pr3	Com. Microscope Mitosis Pr4	Zoo Pr4	Sunflower Stem Anatomy Tissue System Pr5 Project	Zoo Pr5				

MRS. NISHA JANGAM	F.Y.J.C Th. Div.A , E								MORPHOLOGY OF STEM				STUDY OF FLOWER			SEEDS	PLANT TISSUE & PLANTAE				
									Parts of Stem, Buds types Functions and modifications of Stem	Underground modifications	Subaerial modifications	Aerial modifications	Defn., Parts and floral whorls	Calyx, Corolla, Perianth & Aestivation	Androecium, Gynoecium, Placentation 3 Symmetry of flowers	Defn. parts, types, Str. of monocot seed	Defn., types, Meristem-defn. characters	Classn. based on position, origin & function Functions of Meristem	Anatomy of leaf, Diff. between dicot & monocot leaf	TERMINAL EXAM	TERMINAL EXAM
	F.Y.J.C Pr.								Root Modification Stem Modification Pr1	Zoo Pr1	Leaf modification Inflorescence Pr2	Zoo Pr2	Taxonomy/Families Pr3	Zoo Pr3	Com. Microscope Mitosis Pr4	Zoo Pr4	Sunflower Stem Anatomy Tissue System Pr5 Project	Zoo Pr5			

K. J. SOMAIYA JUNIOR COLLEGE OF SCI & COMM. (BIOLOGY DEPARTMENT) ACADEMIC PLAN F.Y.J.C.BOTANY 2nd TERM 2018-2019.

Week		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
		22/11	26/11	03/12	10/12	17/12		02/01	07/01	14/01	21/01	28/01	04/02	11/02	18/02	25/02	04/03	11/03	18/03	25/03	
Dates		24/11	01/12	08/12	15/12	22/12	24/12	05/01	12/01	19/01	26/01	02/02	09/02	16/02	23/02	02/03	09/03	16/03	23/03	30/03	
Dr. VINOD T		BIOCHEMISTRY OF CELL-I				DIVERSITY IN ORGANISMS--I			Diversity in organisms II :		PLANT GROWTH					REVISION -1	REVISION -2	REVISION -3	REVISION -4		
	F.Y.J.C TH DIV A, E	Intro. Carbohydrates	Proteins	Lipids	Defn. Taxonomy Classification & need for it. Taxonomic hierarchy	Units of classifn. Taxon category Nomenclature Signifi.Vernlar & ci.names.	Binomial nomenclature & its significance. Criteria for the classification	Five kingdom classification Dia.representation of 5king. Characters & egs. of 5K	Lichens – Eco.imp. Virus – characters, types, eco. Imp. Viroids – description	Seed germination Characteristics of growth Phases of growth	Growth regulators-1 phytohormones	Growth regulators-2 Gibberellins and cytokinins	Growth regulators-3 Ethylene and Abscissic acid	Photoperiodism Vernalization							
	F.Y.J.C. PR.	Plasmolysis Osmosis by Potato Osmoscope Structure of Stomata Pr6	Plasmolysis Osmosis by Potato Osmoscope Structure of Stomata Pr6	Imbibition,Ph ototropism Transpiration 4leaves Apical bud removal Suction Pressure Transpiration Pr7	Imbibition,Ph ototropism Transpiration 4leaves Apical bud removal Suction Pressure Transpiration Pr7	Classification I II , iii , iv Pr 8	ClassificationI II , iii , iv Pr 8	Revision	S.Y.J.C PRELIMINARY & BOARD , F.Y.J.C PRACTICAL EXAMINATION												
Dr. DEVENDRA JADAV		BIOCHEMISTRY OF CELL-I				DIVERSITY IN ORGANISMS--I			Diversity in organisms II :		PLANT GROWTH					REVISION -1	REVISION -2	REVISION -3	REVISION -4		
	F.Y.J.C TH DIV. C, D	Intro. Carbohydrates	Proteins	Lipids	Defn. Taxonomy Classification & need for it. Taxonomic hierarchy	Units of classifn. Taxon category Nomenclature Signifi.Vernlar & ci.names.	Binomial nomenclature & its significance. Criteria for the classification	Five kingdom classification Dia.representation of 5king. Characters & egs. of 5K	Lichens – Eco.imp. Virus – characters, types, eco. Imp. Viroids – description	Seed germination Characteristics of growth Phases of growth	Growth regulators-1 phytohormones	Growth regulators-2 Gibberellins and cytokinins	Growth regulators-3 Ethylene and Abscissic acid	Photoperiodism Vernalization							
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M s. K A NC		CELL DIVISION-I				CELL DIVISION-II				PLANT WATER RELATIONS AND MINERAL NUTRITION					REVISION -1	REVISION -2	REVISION -3	REVISION -4			

		BIOCHEMISTRY OF CELL-I																			
	F.Y.J.C. TH DIV . B , D	Nucliec acids	Enzymes	factors effecting enzyme activity	Cell cycle & Significance of mitosis	Mitosis	Meiosis I	Meiosis II	Significance, Differences between Mitosis & Meiosis	Source of water and physical processes involved in absorption of waterAbsorption and movement of water.	Ascent of Sap	Transpiration Role of water Translocation of food	Mineral nutrition -I	Mineral nutrition -II							
	F.Y.J.C. PR	Plasmolysis Osmosis by Potato Osmoscope Structure of Stomata Pr6	Zoo Pr6	Imbibition,Ph ototropism Transpiration 4leaves Apical bud removal Suction Pressure Transpiration Pr7	Zoo Pr7	Classification I II , iii , iv Pr 8	Zoo Pr8	Revision	S.Y.J.C PRELIMINARY & BOARD , F.Y.J.C PRACTICAL EXAMINATION												
		BIOCHEMISTRY OF CELL-I				DIVERSITY IN ORGANISMS--I				Diversity in organisms II	PLANT GROWTH				REVISION -1	REVISION -2	REVISION -3	REVISION -4			
	F.Y.J.C. TH DIV B	Intro. Carbohydrates	Proteins	Lipids	Defn. Taxonomy Classification & need for it. Taxonomic hierarchy	Units of classifn. Taxon category Nomenclature Signifi.Vernla & ci.names.	Binomial nomenclature & its significance. Criteria for the classification	Five kingdom classification Dia.represen tation of 5king. Characters & egs. of 5K	Lichens – Eco.imp. Virus – characters, types, eco. Imp. Viroids – description	Seed germination Characteristic s of growth Phases of growth	Growth regulators-1 phytohorm ones	Growth regulators-2 Gibberellins and cytokinins	Growth regulators-3 Ethylene and Abscisic acid	Photoperio -dism Vernalizati on							
	F.Y.J.C. TH DIV C	BIOCHEMISTRY OF CELL-I				CELL DIVISION-I		CELL DIVISION-II			PLANT WATER RELATIONS AND MINERAL NUTRITION				REVISION -1	REVISION -2	REVISION -3	REVISION -4			
		Nucliec acids	Enzymes	factors effecting enzyme activity	Cell cycle & Significance of mitosis	Mitosis	Meiosis I	Meiosis II	Significance, Differences between Mitosis & Meiosis	Source of water and physical processes involved in absorption of waterAbsorption and movement of water.	Ascent of Sap	Transpiration Role of water Translocation of food	Mineral nutrition -I	Mineral nutrition -II							
	F.Y.J.C. PR.	Plasmolysis Osmosis by Potato Osmoscope Structure of Stomata Pr6	Zoo Pr6	Imbibition,Ph ototropism Transpiration 4leaves Apical bud removal Suction Pressure Transpiration Pr7	Zoo Pr7	Classification I II , iii , iv Pr 8	Zoo Pr8	Revision	S.Y.J.C PRELIMINARY & BOARD , F.Y.J.C PRACTICAL EXAMINATION												
MRS. SHUBHANGI KHAMKAR	F.Y.J.C. TH	BIOCHEMISTRY OF CELL-I				CELL DIVISION-I		CELL DIVISION-II			PLANT WATER RELATIONS AND MINERAL NUTRITION				REVISION -1	REVISION -2	REVISION -3	REVISION -4			

	DIV A, E	BIOCHEMISTRY OF CELL-I																	
		Nucliec acids	Enzymes	factors effecting enzyme activity	Cell cycle & Significance of mitosis	Mitosis	Meiosis I	Meiosis II	Significance, Differences between Mitosis & Meiosis	Source of water and physical processes involved in absorption of waterAbsorption and movement of water.	Ascent of Sap	Transpiration Role of water Translocation of food	Mineral nutrition -I	Mineral nutrition -II					
	F.Y.J.C. PR.	Plasmolysis Osmosis by Potato Osmoscope Structure of Stomata Pr6	Zoo Pr6	Imbibition,Phototropism Transpiration 4leaves Apical bud removal Suction Pressure Transpiration Pr7	Zoo Pr7	Classification I II , iii , iv Pr 8	Zoo Pr8	Revision	S.Y.J.C PRELIMINARY & BOARD , F.Y.J.C PRACTICAL EXAMINATION										