

Column1	Column2	Column3	Column4	Column42	Column5
SUBJECT	CLASS	CODE	DEPARTMENT OF P U EDUCATION		ACADEMIC PROGRAM FOR THE YEAR 2018-19
BIOLOGY	PUC II	36	<i>PUC (4 THEORY+2 PRACTICE HOURS A WEEK)</i>	PRACTICE SESSIONS	<i>PRACTICALS (1 CLASS OF 2 HOURS DURATION PER WEEK PER BATCH)</i>
DAY	DATE	DAY			
DAY 1	02-May-18	WEDNESDAY	UNIT VI - REPRODUCTION Chapter 1: Reproduction in Organisms (5 Hours) - Life span, Reproduction, Types of Reproduction, Asexual reproduction (Budding, Binary fission, Fragmentation)		
DAY 2	3-May-18	THURSDAY	Asexual reproduction - Encystation and sporulation, Vegetative propagation		
DAY 3	04-May-18	FRIDAY	Sexual Reproduction – Phases of life span, Oesstrus and menstrual cycles, Continuous and seasonal breeders, Pre-fertilization events, (Gametogenesis)		
DAY 4	5-May-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 5	06-May-18	SUNDAY			
DAY 6	7-May-18	MONDAY	Pre-fertilisation events (Sexuality in organisms, Cell division during gamete formation, Gamete Transfer)		
DAY 7	08-May-18	TUESDAY	Fertilization (External and internal fertilisations, Parthenogenesis), Post-fertilization events (The zygote, Embryogenesis)		
DAY 8	9-May-18	WEDNESDAY	Chapter 2: Sexual Reproduction in Flowering Plants (10 Hours) - Flower – A Fascinating Organ of Angiosperms, Pre-fertilization: Structures and Events – The stamen		
DAY 9	10-May-18	THURSDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 10	11-May-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 11	12-May-18	SATURDAY	ASSEMBLY ELECTIONS		
DAY 12	13-May-18	SUNDAY			
DAY 13	14-May-18	MONDAY	Structure of microsporangium		To study the reproductive parts of commonly available flowers
DAY 14	15-May-18	TUESDAY	Microsporogenesis, Pollen grain		
DAY 15	16-May-18	WEDNESDAY	Pistil, Megasporangium (Ovule)		
DAY 16	17-May-18	THURSDAY	Megasporogenesis, Female gametophyte (Embryo sac)		
DAY 17	18-May-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 18	19-May-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 19	20-May-18	SUNDAY			
DAY 20	21-May-18	MONDAY	Pollination - Kinds of pollination, Agents of pollination (Pollination by wind, Pollination by water)		To Calculate percentage of pollen germination
DAY 21	22-May-18	TUESDAY	Agents of pollination (Pollination by biotic agents), Outbreeding devices		
DAY 22	23-May-18	WEDNESDAY	Pollen-pistil interaction, Artificial hybridisation, Double fertilisation		
DAY 23	24-May-18	THURSDAY	Post-fertilisation - Structures & events (Endosperm, Embryo)		

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DAY	DATE	DAY			
DAY 24	25-May-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 25	26-May-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 26	27-May-18	SUNDAY			
DAY 27	28-May-18	MONDAY	Post-fertilisation (Seed), Apomixis and Polyembryony		To study pollen tube growth on stigma
DAY 28	29-May-18	TUESDAY	Chapter 3: Human Reproduction (9 Hours) - The male reproductive system		
DAY 29	30-May-18	WEDNESDAY	The female reproductive system		
DAY 30	31-May-18	THURSDAY	Mammary glands, Gametogenesis (Spermatogenesis)		
DAY 31	01-Jun-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 32	2-Jun-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 33	03-Jun-18	SUNDAY			
DAY 34	4-Jun-18	MONDAY	Structure of human sperm		Preparation and study of mitosis in onion root tip
DAY 35	05-Jun-18	TUESDAY	Oogenesis, Graafian follicle		
DAY 36	6-Jun-18	WEDNESDAY	Menstrual cycle		
DAY 37	07-Jun-18	THURSDAY	Fertilisation and implantation		
DAY 38	8-Jun-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 39	09-Jun-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 40	10-Jun-18	SUNDAY			
DAY 41	11-Jun-18	MONDAY	Pregnancy and embryonic development		Staining of nuclei acid by acetocarmine
DAY 42	12-Jun-18	TUESDAY	Parturition and lactation		
DAY 43	13-Jun-18	WEDNESDAY	Chapter 4: Reproductive Health (5 Hours) - Reproductive Health – Problems and Strategies		
DAY 44	14-Jun-18	THURSDAY	Population explosion and Birth control - Natural methods of birth control		
DAY 45	15-Jun-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 46	16-Jun-18	SATURDAY	RAMZAN		
DAY 47	17-Jun-18	SUNDAY			
DAY 48	18-Jun-18	MONDAY	Birth control methods (Barrier method, Intra-uterine devices, Contraceptive pills, Surgical method)		To study the discrete stages of gametogenesis in mammalian testis and ovary
DAY 49	19-Jun-18	TUESDAY	Medical termination of pregnancy, Sexually transmitted diseases		
DAY 50	20-Jun-18	WEDNESDAY	Infertility - Assisted reproductive technologies		
DAY 51	21-Jun-18	THURSDAY	UNIT VII - GENETICS AND EVOLUTION Chapter 5: Principles of Inheritance and Variation (12 Hours) - Introduction, Mendel's laws of inheritance, Contrasting traits studied by Mendel in pea		

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DAY	DATE	DAY			
DAY 52	22-Jun-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 53	23-Jun-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 54	24-Jun-18	SUNDAY			
DAY 55	25-Jun-18	MONDAY	Inheritance of one gene, Law of dominance and Law of segregation		Study of stages of meiosis using permanent slides
DAY 56	26-Jun-18	TUESDAY	Incomplete dominance		
DAY 57	27-Jun-18	WEDNESDAY	Co-dominance, Pleiotropy, Polygenic inheritance		
DAY 58	28-Jun-18	THURSDAY	Inheritance of two genes		
DAY 59	29-Jun-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 60	30-Jun-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 61	01-Jul-18	SUNDAY			
DAY 62	2-Jul-18	MONDAY	Inheritance of two genes (Continued), Law of independent assortment		To study and identify various stages of female gametophyte development in the ovary of a flower
DAY 63	03-Jul-18	TUESDAY	Chromosomal theory of inheritance, Linkage & recombination		
DAY 64	4-Jul-18	WEDNESDAY	Sex determination - Early discoveries, Sex determination in grasshopper		
DAY 65	05-Jul-18	THURSDAY	Sex determinatin in humans, birds and honey bees		
DAY 66	6-Jul-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 67	07-Jul-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 68	8-Jul-18	SUNDAY			
DAY 69	09-Jul-18	MONDAY	Mutation, Genetic disorders - Pedigree analysis		To study the blastula stage of embryonic development in mammals with the help of permanent slide, chart, model or photograph
DAY 70	10-Jul-18	TUESDAY	Mendelian disorders (Haemophilia, Colourblindness, Thalassaemia)		
DAY 71	11-Jul-18	WEDNESDAY	Mendelian disorders (Sickle cell anaemia, Phenylketonuria), Chromosomal disorders (Down's syndrome, Klinefelter's syndrome, Turner's syndrome)		
DAY 72	12-Jul-18	THURSDAY	Chapter 6: Molecular Basis of Inheritance (12 Hours) - The DNA – Structure of polynucleotide chain		
DAY 73	13-Jul-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 74	14-Jul-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 75	15-Jul-18	SUNDAY			

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DAY 76	16-Jul-18	MONDAY	Packaging of DNA helix		To perform emasculation, bagging and tagging for controlled pollination
DAY 77	17-Jul-18	TUESDAY	The Search for Genetic Material – Transforming principle, Biochemical characterisation of transforming principle		
DAY 78	18-Jul-18	WEDNESDAY	The genetic material is DNA (Hershey & Chase experiment), Properties of genetic material (DNA versus RNA), RNA World		
DAY 79	19-Jul-18	THURSDAY	1st Test		
DAY 80	20-Jul-18	FRIDAY	1st Test		
DAY 81	21-Jul-18	SATURDAY	1st Test		
DAY 82	22-Jul-18	SUNDAY			
DAY 83	23-Jul-18	MONDAY	Replication – The experimental proof (Messelson and Stahl experiment)		To verify Mendel's law of segregation
DAY 84	24-Jul-18	TUESDAY	The machinery and the enzymes, Transcription - Transcription unit		
DAY 85	25-Jul-18	WEDNESDAY	Transcription unit and the gene, Types of RNA and the process of transcription		
DAY 86	26-Jul-18	THURSDAY	Genetic Code – Mutations and genetic code, t RNA – the adapter molecule		
DAY 87	27-Jul-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 88	28-Jul-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 89	29-Jul-18	SUNDAY			
DAY 90	30-Jul-18	MONDAY	Translation		To verify Mendel's law of independent assortment
DAY 91	31-Jul-18	TUESDAY	Regulation of Gene Expression - The Lac-operon		
DAY 92	1-Aug-18	WEDNESDAY	Human Genome Project - Goals of HGP, Methodologies, Salient features of human genome		
DAY 93	02-Aug-18	THURSDAY	HGP (Applications and future challenges), DNA fingerprinting		
DAY 94	3-Aug-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 95	04-Aug-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 96	5-Aug-18	SUNDAY			
DAY 97	06-Aug-18	MONDAY	CH.7: Evolution (6 Hours) - Origin of Life, Evolution of Life Forms – A Theory, Big Bang theory, Panspermia, Theory of spontaneous generation, Biogenesis		Preparation and analysis of pedigree charts
DAY 98	7-Aug-18	TUESDAY	Chemical evolution theory, Stanley Miller's experiment		
DAY 99	08-Aug-18	WEDNESDAY	What are the Evidences for Evolution? – Paleontological evidence, Comparative anatomy and morphology, Embryological evidence for evolution, Biochemical evidence, Natural selection of dark winged moths after industrialization in England, Evolution by anthropogenic actions (Pesticide and herbicide resistant varieties, Antibiotic / drug resistant pathogens)		
DAY 100	9-Aug-18	THURSDAY	What is Adaptive Radiation?, Biological Evolution		

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DAY	DATE	DAY			
DAY 101	10-Aug-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 102	11-Aug-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 103	12-Aug-18	SUNDAY			
DAY 104	13-Aug-18	MONDAY	Mechanism of Evolution, Hardy – Weinberg Principle: Gene flow (Gene migration), Genetic drift and Founder's effect, Sexual reproduction (Genetic recombination), Mutation, Natural selection		To study common disease causing organisms and the symptoms of the diseases
DAY 105	14-Aug-18	TUESDAY	Brief Account of Evolution, Origin and Evolution of Man: Dryopithecus, Ramapithecus, Australopithecus, Homo habilis, Homo erectus, Neanderthal man, Homo sapiens		
DAY 106	15-Aug-18	WEDNESDAY	INDEPENDENCE DAY		
DAY 107	16-Aug-18	THURSDAY	UNIT VIII - BIOLOGY IN HUMAN WELFARE Chapter 8: Human Health and Diseases (10 Hours) - Common diseases in humans – Health, Infectious and non-infectious diseases, Pathogen, Typhoid, Pneumonia, Common cold		
DAY 108	17-Aug-18	FRIDAY	Malaria, Amoebiasis, Ascariasis, Filariasis, Ringworm, Prevention and control measures		
DAY 109	18-Aug-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 110	19-Aug-18	SUNDAY			
DAY 111	20-Aug-18	MONDAY	Immunity – Innate immunity (Physical barriers, Physiological barriers, Cellular barriers, Cytokine barriers)		Study of homologous and analogous organs in plants and animals
DAY 112	21-Aug-18	TUESDAY	Acquired immunity (Humoral immunity, Cell mediated immunity, Antibody structure)		
DAY 113	22-Aug-18	WEDNESDAY	BAKRID		
DAY 114	23-Aug-18	THURSDAY	Active and passive immunity, Vaccination and immunization, Allergies, Autoimmunity		
DAY 115	24-Aug-18	FRIDAY	Immune system of the body (Bone marrow, Thymus, Spleen, Lymphoid tissue)		
DAY 116	25-Aug-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 117	26-Aug-18	SUNDAY			
DAY 118	27-Aug-18	MONDAY	AIDS – Causes, HIV replication, Symptoms, Diagnostic test, Prevention of AIDS		To study the ecological adaptations in plants living in xeric and hydric conditions
DAY 119	28-Aug-18	TUESDAY	Cancer – Definition, Types (Benign and malignant), Causes of cancer, Cancer detection and diagnosis, Treatment of cancer		
DAY 120	29-Aug-18	WEDNESDAY	Drugs and Alcohol Abuse – Opioids (including morphine structure), Cannabinoids (including its structure), Cocaine, Hallucinogens, Sedatives, Smoking (Chemical composition and effects of tobacco smoke)		
DAY 121	30-Aug-18	THURSDAY	Adolescence and drug abuse, Addiction and Dependence (including withdrawal symptoms), Effects of drug / alcohol abuse, Prevention and Control		

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DAY 122	31-Aug-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 123	01-Sep-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 124	2-Sep-18	SUNDAY			
DAY 125	03-Sep-18	MONDAY	Chapter 9: Strategies for Enhancement in Food Production (9 Hours) - Animal Husbandry – Management of farms and farm animals (Dairy farm management, Poultry farm management)		To study the ecological adaptations in animals living in xeric and hydric conditions
DAY 126	4-Sep-18	TUESDAY	Animal breeding (Inbreeding, Inbreeding depression, Outbreeding, Outcrossing)		
DAY 127	05-Sep-18	WEDNESDAY	Cross breeding, Inter-specific hybridization, Controlled breeding – Artificial insemination and MOET)		
DAY 128	6-Sep-18	THURSDAY	Bee-keeping, Fisheries		
DAY 129	07-Sep-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 130	8-Sep-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 131	09-Sep-18	SUNDAY			
DAY 132	10-Sep-18	MONDAY	Mid term Exam		
DAY 133	11-Sep-18	TUESDAY	Mid term Exam		
DAY 134	12-Sep-18	WEDNESDAY	Mid term Exam		
DAY 135	13-Sep-18	THURSDAY	GANESH CHATURTHI		
DAY 136	14-Sep-18	FRIDAY	Mid term Exam		
DAY 137	15-Sep-18	SATURDAY	Mid term Exam		
DAY 138	16-Sep-18	SUNDAY			
DAY 139	17-Sep-18	MONDAY	Mid term Exam		
DAY 140	18-Sep-18	TUESDAY	Mid term Exam		
DAY 141	19-Sep-18	WEDNESDAY	Mid term Exam		
DAY 142	20-Sep-18	THURSDAY	Mid term Exam		
DAY 143	21-Sep-18	FRIDAY	LAST DAY OF MOHARRUM		
DAY 144	22-Sep-18	SATURDAY	Plant Breeding – What is plant breeding (Steps in breeding to be explained)		
DAY 145	23-Sep-18	SUNDAY			
DAY 146	24-Sep-18	MONDAY	Green revolution – Wheat, Rice, Sugarcane and Millets		To determine the pH of different water and soil samples
DAY 147	25-Sep-18	TUESDAY	Plant breeding for disease resistance (Methods of breeding for disease resistance – Selection, Hybridization and Mutation with examples), Plant breeding for developing resistance to insect pests		
DAY 148	26-Sep-18	WEDNESDAY	Plant breeding for improving food quality (Biofortification) 9.3 Single Cell Protein		
DAY 149	27-Sep-18	THURSDAY	Tissue Culture – Totipotency, Explant, Micropropagation, Somaclones, Meristem culture, Somatic hybridization, Somatic hybrids		

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DAY 150	28-Sep-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 151	29-Sep-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 152	30-Sep-18	SUNDAY			
DAY 153	01-Oct-18	MONDAY	Chapter 10: Microbes in Human Welfare (6 Hours) - Microbes in Household Products – Curds, Doughening, Toddy, Cheese, Microbes in Industrial Products (Fermented beverages)		To study the texture of soil samples
DAY 154	2-Oct-18	TUESDAY	MAHATHMA GANDHI JAYANTHI		
DAY 155	03-Oct-18	WEDNESDAY	Microbes in Industrial Products (Antibodies, Chemicals, Enzymes and other Bio-active molecules)		
DAY 156	4-Oct-18	THURSDAY	Microbes in Sewage Treatment – Primary treatment, Secondary treatment and BOD concept, Ganga Action Plan (To be mentioned), Yamuna Action Plan (To be mentioned)		
DAY 157	05-Oct-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 158	6-Oct-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 159	07-Oct-18	SUNDAY			
DAY 160	8-Oct-18	MONDAY	MAHALAYA AMMAVASAYA		
DAY 161	09-Oct-18	TUESDAY	Microbes in Production of Biogas (Including a typical biogas plant)		To determine the water-holding capacity of soils
DAY 162	10-Oct-18	WEDNESDAY	Microbes as Biocontrol Agents – Biological control of pests and disease		
DAY 163	11-Oct-18	THURSDAY	Microbes as Biofertilisers – Symbiotic and non-symbiotic bacteria, Mycorrhiza, Cyanobacteria		
DAY 164	12-Oct-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 165	13-Oct-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 166	14-Oct-18	SUNDAY			
DAY 167	15-Oct-18	MONDAY			
DAY 168	16-Oct-18	TUESDAY			
DAY 169	17-Oct-18	WEDNESDAY			
DAY 170	18-Oct-18	THURSDAY	MAHANAVAMI		
DAY 171	19-Oct-18	FRIDAY	VIJAYADASHMI		
DAY 172	20-Oct-18	SATURDAY			
DAY 173	21-Oct-18	SUNDAY			
DAY 174	22-Oct-18	MONDAY			
DAY 175	23-Oct-18	TUESDAY			
DAY 176	24-Oct-18	WEDNESDAY	VALMIKI JAYANTHI		
DAY 177	25-Oct-18	THURSDAY			
DAY 178	26-Oct-18	FRIDAY			
DAY 179	27-Oct-18	SATURDAY			

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DAY 180	28-Oct-18	SUNDAY			
DAY 181	29-Oct-18	MONDAY	UNIT IX - BIOTECHNOLOGY Chapter 11: Biotechnology: Principles and Processes (7 Hours) - Principles of Biotechnology - Introduction, Early discoveries		To study turbidity of water samples
DAY 182	30-Oct-18	TUESDAY	Tools of Recombinant DNA Technology (Restriction enzymes)		
DAY 183	31-Oct-18	WEDNESDAY	Tools of Recombinant DNA Technology (Cloning vectors)		
DAY 184	1-Nov-18	THURSDAY	KANNADA RAJYOTHSAVA		
DAY 185	02-Nov-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 186	3-Nov-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 187	04-Nov-18	SUNDAY			
DAY 188	5-Nov-18	MONDAY	Tools of Recombinant DNA Technology (Competent host for transformation with recombinant DNA)		To analyse living organisms in water samples
DAY 189	06-Nov-18	TUESDAY	NARAKA CHATURDASHI		
DAY 190	7-Nov-18	WEDNESDAY	Processes of Recombinant DNA Technology (Isolation of the genetic material - DNA, Cutting of DNA at specific locations)		
DAY 191	08-Nov-18	THURSDAY	BALIPADYAMI DEEPAWALI		
DAY 192	9-Nov-18	FRIDAY	Processes of Recombinant DNA Technology (Amplification of gene of interest using PCR, Insertion of recombinant DNA into the host cell / organism)		
DAY 193	10-Nov-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 194	11-Nov-18	SUNDAY			
DAY 195	12-Nov-18	MONDAY	Processes of Recombinant DNA Technology (Obtaining the foreign gene product, Downstream processing)		To study plant population density by quadrat method
DAY 196	13-Nov-18	TUESDAY	Chapter 12: Biotechnology and its Applications (5 Hours) - Biotechnological Applications in Agriculture (Benefits of GMOs, Bt cotton)		
DAY 197	14-Nov-18	WEDNESDAY	Biotechnological Applications in Agriculture (Pest resistant plants - RNA interference), Biotechnological Applications in Medicine (Genetically engineered insulin)		
DAY 198	15-Nov-18	THURSDAY	Biotechnological Applications in Medicine (Gene therapy, Molecular diagnosis)		
DAY 199	16-Nov-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 200	17-Nov-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 201	18-Nov-18	SUNDAY			
DAY 202	19-Nov-18	MONDAY	Transgenic Animals - Common reasons for producing transgenic animals		To study plant population frequency by quadrat method
DAY 203	20-Nov-18	TUESDAY	Ethical Issues (With a note on biopiracy)		
DAY 204	21-Nov-18	WEDNESDAY	EID MILAD		

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DAY 205	22-Nov-18	THURSDAY	UNIT X - ECOLOGY Chapter 13: Organisms and Populations (7 Hours) - Organisms and its environment – Major abiotic factors (Temperature, Light, Water, Soil), Responses to abiotic factors (Regulate, Conform, Migrate, Suspend)		
DAY 206	23-Nov-18	FRIDAY	Adaptations		
DAY 207	24-Nov-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 208	25-Nov-18	SUNDAY			
DAY 209	26-Nov-18	MONDAY	KANAKADASA JAYANTHI		
DAY 210	27-Nov-18	TUESDAY	Populations – Population attributes (Birth rate, Death rate, Sex ratio, Age sdistribution), Population density		To determine the amount of Suspended Particulate Matter (SPM) in air at different sites in a city
DAY 211	28-Nov-18	WEDNESDAY	Population growth (Natality, Mortality, Immigration, Emigration), Growth models (Exponential growth, Logistic growth)		
DAY 212	29-Nov-18	THURSDAY	Life history variations, Population interactions (Predation)		
DAY 213	30-Nov-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 214	1-Dec-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 215	02-Dec-18	SUNDAY			
DAY 216	3-Dec-18	MONDAY	Population interactions (Competition, Parasitism)		
DAY 217	04-Dec-18	TUES+C128DAY+C143	Population interactions (Commensalism, Mutualism, Sexual deceit in Ophrys, Definition of amensalism)		
DAY 218	5-Dec-18	WEDNESDAY	Chapter 14: Ecosystem (6½ Hours) - Ecosystem - Structure and function, Productivity		
DAY 219	06-Dec-18	THURSDAY	2nd Test		
DAY 220	7-Dec-18	FRIDAY	2nd Test		
DAY 221	08-Dec-18	SATURDAY	2nd Test		
DAY 222	9-Dec-18	SUNDAY			
DAY 223	10-Dec-18	MONDAY	Decomposition		
DAY 224	11-Dec-18	TUESDAY	Energy flow – Producers, Consumers, Decomposers, Food chain (Grazing and Detritus food chains), Trophic levels, Food web, Standing crop)		
DAY 225	12-Dec-18	WEDNESDAY	Ecological pyramids – Erect and inverted pyramids, Pyramids of number, energy and biomass)		
DAY 226	13-Dec-18	THURSDAY	Ecological succession – Pioneer species, Sere, Climax community, Primary succession, Secondary succession, Succession of plants (Hydrarch and Xerarch successions)		
DAY 227	14-Dec-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 228	15-Dec-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 229	16-Dec-18	SUNDAY			

SUBJECT	CLASS	CODE	DEPARTMENT OF P U EDUCATION		ACADEMIC PROGRAM FOR THE YEAR 2018-19
BIOLOGY	PUC II	36	PUC (4 THEORY+2 PRACTICE HOURS A WEEK)	PRACTICE SESSIONS	PRACTICALS (1 CLASS OF 2 HOURS DURATION PER WEEK PER BATCH)
DAY	DATE	DAY			
DAY 230	17-Dec-18	MONDAY	Nutrient cycling – Ecosystem-Carbon cycle, Ecosystem-Phosphorus cycle		
DAY 231	18-Dec-18	TUESDAY	Ecosystem Services Chapter 15: Biodiversity and Conservation (3½ Hours) - Biodiversity – Genetic diversity, Species diversity, Ecological diversity		
DAY 232	19-Dec-18	WEDNESDAY	How many species are there on earth and how many in India?, Patterns of biodiversity (Latitudinal gradients, Species-Area relationships)		
DAY 233	20-Dec-18	THURSDAY	The importance of species diversity to the ecosystem, Loss of biodiversity, Causes of biodiversity losses (Habitat loss and fragmentation, Over-exploitation, Alien species invasion, Co-extinction)		
DAY 234	21-Dec-18	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 235	22-Dec-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 236	23-Dec-18	SUNDAY			
DAY 237	24-Dec-18	MONDAY	Biodiversity conservation – Why should we conserve biodiversity? (Narrowly utilitarian, Broadly utilitarian and Ethical reasons), How do we conserve biodiversity? (Endemism, Biodiversity hotspots, In-situ conservation, Ex-situ conservation, Sacred groves, The Earth Summit)		Preparatory Practical Exam
DAY 238	25-Dec-18	TUESDAY	CHRISTMAS		
DAY 239	26-Dec-18	WEDNESDAY	Chapter 16: Environmental Issues (7 Hours) - Air pollution and its Control – Controlling vehicular air pollution: A case study of Delhi		Preparatory Practical Exam
DAY 240	27-Dec-18	THURSDAY	Water pollution and its Control – Domestic sewage and industrial effluents, Algal bloom, BOD, Biomagnification, Eutrophication, cultural / Accelerated eutrophication, A case study of integrated waste water treatment		Preparatory Practical Exam
DAY 241	28-Dec-18	FRIDAY	Solid Wastes – Municipal solid waste, e-wastes, Sanitary landfills, A case study of remedy for plastic waste (Polyblend)		Preparatory Practical Exam
DAY 242	29-Dec-18	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	Preparatory Practical Exam
DAY 243	30-Dec-18	SUNDAY			
DAY 244	31-Dec-18	MONDAY	Agrochemicals and their Effects – A case study of organic farming, Radioactive wastes		Preparatory Practical Exam
DAY 245	01-Jan-19	TUESDAY	Greenhouse Effect and Global Warming		
DAY 246	2-Jan-19	WEDNESDAY	Ozone Depletion in the Stratosphere – Montreal Protocol		
DAY 247	03-Jan-19	THURSDAY	Degradation by Improper Resource Utilization and Maintenance – Soil erosion and desertification, Water logging and soil salinity 16.9. Deforestation – Slash and burn agriculture (Jhum cultivation), Reforestation, A case study of people’s participation in conservation of forests, Chipko movement, Joint Forest Management (JFM)		

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BIOLOGY	PUC II	36	<i>PUC (4 THEORY+2 PRACTICE HOURS A WEEK)</i>	PRACTICE SESSIONS	<i>PRACTICALS (1 CLASS OF 2 HOURS DURATION PER WEEK PER BATCH)</i>
DAY	DATE	DAY			
DAY 248	4-Jan-19	FRIDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 249	05-Jan-19	SATURDAY		Selected questions of 1M, 2M, 3M & 5M of topics covered this week from question bank	
DAY 250	6-Jan-19	SUNDAY			
DAY 251	07-Jan-19	MONDAY	Preparatory Exam		
DAY 252	8-Jan-19	TUESDAY	Preparatory Exam		
DAY 253	09-Jan-19	WEDNESDAY	Preparatory Exam		
DAY 254	10-Jan-19	THURSDAY	Preparatory Exam		
DAY 255	11-Jan-19	FRIDAY	Preparatory Exam		
DAY 256	12-Jan-19	SATURDAY	Preparatory Exam		
DAY 257	13-Jan-19	SUNDAY			
DAY 258	14-Jan-19	MONDAY	Preparatory Exam		
DAY 259	15-Jan-19	TUESDAY	MAKARA SANKRANTI		
DAY 260	16-Jan-19	WEDNESDAY	Preparatory Exam		
DAY 261	17-Jan-19	THURSDAY	Preparatory Exam		
DAY 262	18-Jan-19	FRIDAY	Revision Class / Remedial guidance		
DAY 263	19-Jan-19	SATURDAY	Revision Class / Remedial guidance		
DAY 264	20-Jan-19	SUNDAY			
DAY 265	21-Jan-19	MONDAY	Revision Class / Remedial guidance		
DAY 266	22-Jan-19	TUESDAY	Revision Class / Remedial guidance		
DAY 267	23-Jan-19	WEDNESDAY	Revision Class / Remedial guidance		
DAY 268	24-Jan-19	THURSDAY	Revision Class / Remedial guidance		
DAY 269	25-Jan-19	FRIDAY	Revision Class / Remedial guidance		
DAY 270	26-Jan-19	SATURDAY	REPUBLIC DAY		
DAY 271	27-Jan-19	SUNDAY			
DAY 272	28-Jan-19	MONDAY	Revision Class / Remedial guidance		
DAY 273	29-Jan-19	TUESDAY	Revision Class / Remedial guidance		
DAY 274	30-Jan-19	WEDNESDAY	Revision Class / Remedial guidance		
DAY 275	31-Jan-19	THURSDAY	Revision Class / Remedial guidance		
DAY 276	1-Feb-19	FRIDAY	Revision Class / Remedial guidance		
DAY 277	02-Feb-19	SATURDAY	Revision Class / Remedial guidance		
DAY 278	3-Feb-19	SUNDAY			
DAY 279	04-Feb-19	MONDAY	Revision Class / Remedial guidance		
DAY 280	5-Feb-19	TUESDAY	Revision Class / Remedial guidance		
DAY 281	06-Feb-19	WEDNESDAY	Revision Class / Remedial guidance		
DAY 282	7-Feb-19	THURSDAY	Revision Class / Remedial guidance		
DAY 283	08-Feb-19	FRIDAY	Revision Class / Remedial guidance		
DAY 284	9-Feb-19	SATURDAY	Revision Class / Remedial guidance		
DAY 285	10-Feb-19	SUNDAY			
DAY 286	11-Feb-19	MONDAY	Revision Class / Remedial guidance		
DAY 287	12-Feb-19	TUESDAY	Revision Class / Remedial guidance		
DAY 288	13-Feb-19	WEDNESDAY	Revision Class / Remedial guidance		
DAY 289	14-Feb-19	THURSDAY	Revision Class / Remedial guidance		
DAY 290	15-Feb-19	FRIDAY	Revision Class / Remedial guidance		
DAY 291	16-Feb-19	SATURDAY	Revision Class / Remedial guidance		
DAY 292	17-Feb-19	SUNDAY			

