



SOLAPUR UNIVERSITY, SOLAPUR

CIRCULAR NO.18 EXAM OF 2016 **SEMESTER PATTERN EXAMINATION**

DRAFT PROGRAM OF B.SC. SEMESTER – I TO VI EXAMINATION TO BE HELD IN **MAR/APR-2016**

1. Students should see their Seat No. and Name in the Name list and mistakes if any should be communicated to this office immediately. All candidates are requested to confirm their Examination Seat No. as well as place of examination on the Notice Board of the University/College mentioned below at least two days before the date of Examination. The candidate should write correct Seat No. On each Answer Book. If candidate writes wrong Seat No. on Answer Book the performance of such subject will not be considered.
2. Candidates are requested to be present at their respective places of examinations **FIFTEEN MINUTES** before the time starting of the first paper and **TEN MINUTES** before the time of starting of each subsequent paper. Candidates are forbidden to take any book or paper into the Examination Hall.
3. (**Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects, Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents.)

The Centers and places of the Examinations will be as under.

Sr.No.	Center	College Abbreviation	Place
1	SOLAPUR	DBF	D.B.F. Dayanand College of Arts & Science
2		VGS	V.G. Shivdare College
3		HN	H.N. College of Commerce
4	PANDHARPUR	KBP	K.B.P. Mahavidyalaya
5	BARSHI	SBZ	Shriman Bhausahab Zadbuke Mahavidyalaya
6		SMB	Shri. Shivaji Mahavidyalaya
7		HCCS	Hemuji Chandele College, Shelgaon (R)
8	SANGOLA	VIMAS	Vidnyan Mahavidyalaya
9		SANG	Sangola College, Sangola
10	AKLUJ	SMM	Shankarrao Mohite Mahavidyalaya
11	KARMALA	YCMK	Yashwantrao Chavan Mahavidyalaya
12	AKKALKOT	CBK	C.B.Khedgi's College
13	NATEPUTE	SMSMPM	S.M. Shankarrao Mohite Patil College
14	MANGALWEDHA	SDM	Shri. Sant Damaji Mahavidyalaya
15	KURDUWADI	KNB	K.N.Bhise College
16	ANGAR	BPCAS	Baburao Patil College
17	WADALA	MMW	Mauli Mahavidyalaya
18	VAIRAG	SGM	Sou. Suvarnalata Gandhi Mahavidyalaya
19	MANDRUP	SBPC	Santosh Bhimrao Patil College

Note : According to the students strength Exam Centers may be changed before Examinations.

The Written Examination will be conducted in the following order.

B.Sc. Sem – I (w.e.f. June 2014)				
(CGPA Pattern-2014)				
Day & Date	Sr. No	Subject Time: 10:30 a.m. to 01:00 p.m.	Sr. No	Subject Time: 02:30 p.m. to 05:00 p.m.
Tuesday 22/03/2016	1	ENGLISH (Comp.) (221101) On Track-English Skills for Success	--	---
Wednesday 23/03/2016	2	CHEMISTRY Paper – I (221204) Section:- I Physical Chemistry Section:- II Inorganic Chemistry	3	COMPUTER SCIENCE Paper–I (221106) Section:- I Computer Fundamentals Section:- II Programming using C- I
Saturday 26/03/2016	4	PHYSICS Paper – I (221111) Section:- I Mechanics and Properties of Matter Section:- II Optics and Laser	5	PHYSICAL GEOGRAPHY Paper – I (221123) Section:- I Geomorphology Section:- II Geomorphology
Monday 28/03/2016	6	STATISTICS Paper - I (221141) Section:- I Descriptive Statistics, Probability Section:- II Probability Distributions-I	7	ZOOLOGY Paper – I (221143) Section:- I Animal Diversity Section:- II Cell Biology & Genetics
Tuesday 29/03/2016	8	MATHEMATICS Paper – I (221108) Section:- I Algebra Section:- II Calculus	9	BOTANY Paper – I (221102) Section:- I Microbiology & Cryptogams Section:- II Plant Physiology & Horticulture
Wednesday 30/03/2016	10	ELECTRONICS Paper – I (221121) Section:- I Electronics Fundamentals Section:- II Digital Fundamentals	11	PSYCHOLOGY Paper - I (221135) Section:- I General Psychology Section:- II Human Development
			12	GEOLOGY Paper- I (221131) Section:- I Mineralogy & Paleontology Section:- II Igneous, Sedimentary and Metamorphic Petrology
			13	MICROBIOLOGY Paper – I (221133) Section:- I Fundamentals of Microbiology Section:- II Microbial Techniques

B.Sc. Sem – II (New w.e.f. Nov 2014)				
(CGPA Pattern-2014)				
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 01:00 p.m.	Sr. No.	Subject Time: 02:30 p.m. to 05:00 p.m.
Thursday 31/03/2016	14	ENGLISH (Comp.) (221201) On Track- English Skills for success	--	----
Friday 01/04/2016	15	CHEMISTRY Paper – II (221204) Section:- I Organic Chemistry Section:- II Analytical Chemistry	16	COMPUTER SCIENCE Paper – II(221206) Section:- I Computer Fundamentals Section:- II Programming using C- II
Saturday 02/04/2016	17	PHYSICS Paper – II (221211) Section:- I Heat and Thermodynamics Section:- II Electricity, Magnetism and Basic Electronics	18	PHYSICAL GEOGRAPHY Paper – II (221223) Section:- I Climatology Section:- II Climatology
Monday 04/04/2016	19	STATISTICS Paper - II (221241) Section:- I Descriptive Statistics, Probability Section:- II Probability Distributions-II	20	ZOOLOGY Paper – II (221243) Section:- I Animal Diversity - II Section:- II Ecology, Ethology Evolution and Applied Zoology
Tuesday 05/04/2016	21	MATHEMATICS Paper –II (221208) Section:- I Geometry Section:- II Differential Equations	22	BOTANY Paper – II (221202) Section:- I Gymnosperms and Angiosperms Section:- II Cell Biology, Genetics and Plant Biotechnology
Wednesday 06/04/2016	23	ELECTRONICS Paper – II (221221) Section:- I Electronic Devices Section:- II Digital Electronics	24	PSYCHOLOGY Paper – II (221235) Section:- I General Psychology Section:- II Human Development
			25	GEOLOGY Paper- II (221231) Section:- I Introduction to General Geology Section:- II Introduction to Physical Geology
			26	MICROBIOLOGY Paper – II (221233) Section:- I Microbial Physiology Section:- II Applied Microbiology- I

B.Sc. Sem - III (New w.e.f. June 2015) (CGPA Pattern-2014)				
Day & Date	Sr. No	Subject Time: 10:30 a.m. to 01:00 p.m.	Sr. No.	Subject Time: 02:30 p.m. to 05:00 p.m.
Thursday 07/04/2016	27	CHEMISTRY Paper–III (221303) Organic Chemistry	28	COMPUTER SCIENCE Paper-III (221309) Object Oriented Programming using C++
Saturday 09/04/2016	29	CHEMISTRY Paper–IV (221304) Inorganic Chemistry	30	COMPUTER SCIENCE Paper–IV (221310) RDBMS
Monday 11/04/2016	31	PHYSICS Paper-III (221323) General Physics, Heat and Sound	32	BIO-CHEMISTRY Paper-I (221305) Biomolecules
			33	PLANT PROTECTION Paper-I (221331) Major Crops and Methods of Integrated Plant protection
Tuesday 12/04/2016	34	PHYSICS Paper-IV (221324) Electronics	35	BIO-CHEMISTRY Paper-II (221306) Biochemical Techniques
			36	PLANT PROTECTION Paper-II (221332) Crop Diseases and their management
Wednesday 13/04/2016	37	STATISTICS Paper–III (221325) Continuous Probability Distributions – I	38	METEOROLOGY Paper–I (221329) Climatology
			39	GEO-CHEMISTRY Paper-I (221307) Introduction to Geochemistry
			40	ZOOLOGY Paper–III (221327) Animal Diversity – III
Saturday 16/04/2016	41	STATISTICS Paper–IV (221326) Discrete Probability Distributions and Statistical Methods	42	METEOROLOGY Paper–II (221330) General Meteorology
			43	GEO-CHEMISTRY Paper-II (221308) Introduction to Solar System and Geo-Sphers
			44	ZOOLOGY Paper–IV (221328) Cell Science, Genetics, Biological Chemistry and Economic Zoology
Monday 18/04/2016	45	MATHEMATICS Paper–III (221321) Differential Calculus	46	BOTANY Paper–III (221301) Structure Botany & Taxonomy of Angiosperm
Wednesday 20/04/2016	47	MATHEMATICS Paper-IV (221322) Real Analysis	48	BOTANY Paper–IV (221302) Plant Ecology
	49	ELECTRONICS Paper–III (221311) Electronic Circuits	50	PSYCHOLOGY Paper–III (221319) Experimental Psychology
52			GEOLOGY Paper–III (221315) Optics and Mineralogy	
53			MICROBIOLOGY Paper–III (221317) Cytology and Physiology of Microorganisms	
Friday 22/04/2016	54	ELECTRONICS Paper–IV (221312) Pulse & Switching Circuits	55	PSYCHOLOGY Paper–IV (221320) Social Psychology
	56	GEOGRAPHY Paper–IV (221314) Soil Science - I	57	GEOLOGY Paper–IV (221316) Structural Geology
			58	MICROBIOLOGY Paper–IV (221318) Bacterial Genetics

B.Sc. Sem - III (w.e.f. June 2014) (SYLLABUS-2013) (Old up to Mar 2016)				
Day & Date	Sr. No	Subject Time: 10:30 a.m. to 12:30 p.m.	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Thursday 07/04/2016	59	CHEMISTRY Paper-V (SCS3CH5) Organic Chemistry	60	COMPUTER SCIENCE Paper-V (SCS3CS5) Object Oriented Programming using C++
Saturday 09/04/2016	61	CHEMISTRY Paper-VI (SCS3CH6) Inorganic Chemistry	62	COMPUTER SCIENCE Paper-VI (SCS3CS6) RDBMS
Monday 11/04/2016	63	PHYSICS Paper-V (SCS3PH5) General Physics, Heat and Sound	64	BIO-CHEMISTRY Paper-I (SCS3BC1) Biomolecules
			65	PLANT PROTECTION Paper-I (SCS3PP1) Major Crops and Methods of Integrated Plant protection
Tuesday 12/04/2016	66	PHYSICS Paper-VI (SCS3PH6) Electronics	67	BIO-CHEMISTRY Paper-II (SCS3BC2) Biochemical Techniques
			68	PLANT PROTECTION Paper-II (SCS3PP2) Crop Diseases and their management
Wednesday 13/04/2016	69	STATISTICS Paper-V (SCS3ST5) Continuous Probability Distributions – I	70	METEOROLOGY Paper-I (SCS3ME1) Climatology
			71	GEO-CHEMISTRY Paper-I (SCS3GC1) Introduction to Geochemistry
			72	ZOOLOGY Paper-V (SCS3ZO5) Animal Diversity - III
Saturday 16/04/2016	73	STATISTICS Paper-VI (SCS3ST6) Discrete Probability Distributions and Statistical Methods	74	METEOROLOGY Paper-II (SCS3ME2) General Meteorology
			75	GEO-CHEMISTRY Paper-II (SCS3GC2) Introduction to Solar System and Geospheres
			76	ZOOLOGY Paper-VI (SCS3ZO6) Cell Science, Genetics, Biological Chemistry and Economic Zoology
Monday 18/04/2016	77	MATHEMATICS Paper-V (SCS3MT5) Differential Calculus	78	BOTANY Paper-V (SCS3BO5) Structure Botany & Taxonomy of Angiosperm
Wednesday 20/04/2016	79	MATHEMATICS Paper-VI (SCS3MT6) Real Analysis	80	BOTANY Paper-VI (SCS3BO6) Plant Ecology
Thursday 21/04/2016	81	ELECTRONICS Paper-V (SCS3EL5) Electronic Circuits	82	PSYCHOLOGY Paper-V (SCS3PS5) Experimental Psychology
	83	GEOGRAPHY Paper-V (SCS3GG5) Biogeography - I	84	GEOLOGY Paper-V (SCS3GL5) Optics and Mineralogy
			85	MICROBIOLOGY Paper-V (SCS3MB5) Cytology, Physiology of Bacteria and Virology
Friday 22/04/2016	86	ELECTRONICS Paper-VI (SCS3EL6) Pulse & Switching Circuits	87	PSYCHOLOGY Paper-VI (SCS3PS6) Social Psychology
	88	GEOGRAPHY Paper-VI (SCS3GG6) Soil Science - I	89	GEOLOGY Paper-VI (SCS3GL6) Structural Geology
			90	MICROBIOLOGY Paper-VI (SCS3MB6) Microbial Genetics

B.Sc. Sem – IV (w.e.f. Nov 2014) (SYLLABUS-2013) (Old Up to Oct 2016)				
Day & Date	Sr. No	Subject Time: 10:30 a.m. to 12:30 p.m.	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Saturday 23/04/2016	91	CHEMISTRY Paper–VII (SCS4CH7) Physical Chemistry	92	COMPUTER SCIENCE Paper–VII Data Structures (SCS4CS7)
Monday 25/04/2016	93	CHEMISTRY Paper–VIII (SCS4CH8) Analytical & Industrial Inorganic Chemistry	94	COMPUTER SCIENCE Paper–VIII System Analysis & Design (SCS4CS8)
Tuesday 26/04/2016	95	PHYSICS Paper-VII (SCS4PH7) Optics	96	BIO-CHEMISTRY Paper-III (SCS4BC3) Nutrition and Metabolism
			97	PLANT PROTECTION Paper–III Introduction to weeds & non insect Pests (SCS4PP3)
Wednesday 27/04/2016	98	PHYSICS Paper-VIII (SCS4PH8) Modern Physics	99	BIO-CHEMISTRY Paper-IV (SCS4BC4) Molecular Biochemistry & Diseases
			100	PLANT PROTECTION Paper–IV (SCS4PP4) Insect pests and their Management
Thursday 28/04/2016	101	STATISTICS Paper–VII (SCS4ST7) Continuous Probability Distributions - II	102	METEOROLOGY Paper–III (SCS4MT3) Applied Climatology
			103	GEO-CHEMISTRY Paper-III (SCS4GC3) Principles of Geochemistry
			104	ZOOLOGY Paper–VII (SCS4ZO7) Animal Diversity – IV
Friday 29/04/2016	105	STATISTICS Paper–VIII (SCS4ST8) Applied Statistics	106	METEOROLOGY Paper–IV (SCS4MT4) Meteorological Instruments
			107	GEO-CHEMISTRY Paper-IV (SCS4GC4) Chemistry of the Earth
			108	ZOOLOGY Paper–VIII (SCS4ZO8) Histology & Physiology
Saturday 30/04/2016	109	MATHEMATICS Paper–VII (SCS4MT7) Differential Equations	110	BOTANY Paper–VII (SCS4BO7) Plant Physiology and Cytogenetics
Monday 02/05/2016	111	MATHEMATICS Paper–VIII (SCS4MT8) Abstract Algebra	112	BOTANY Paper–VIII (SCS4BO8) Plant Diversity and Utilization
Tuesday 03/05/2016	113	GEOGRAPHY Paper–VII (SCS4GG7) Biogeography - II	114	PSYCHOLOGY Paper–VII (SCS4PS7) Cognitive Psychology
	115	ELECTRONICS Paper–VII (SCS4EL7) Fundamentals of Operational Amplifier	116	GEOLOGY Paper–VII (SCS4GL7) Igneous Petrology
			117	MICROBIOLOGY Paper–VII (SCS4MB7) Immunology & Medical Microbiology
Wednesday 04/05/2016	118	GEOGRAPHY Paper–VIII (SCS4GG8) Agricultural Geography - II	119	PSYCHOLOGY Paper–VIII (SCS4PS8) Positive Psychology
	120	ELECTRONICS Paper–VIII (SCS4EL8) Digital Techniques and Microprocessor	121	GEOLOGY Paper–VIII (SCS4GL8) Sedimentary & Metamorphic Petrology
			122	MICROBIOLOGY Paper–VIII (SCS4MB8) Applied Microbiology-II

B.Sc. Sem – IV (New w.e.f. Nov 2015)					
(CGPA Pattern-2014)					
Day & Date	Sr. No	Subject Time: 10:30 a.m. to 01:00 p.m.	Sr. No.	Subject Time: 02:30 p.m. to 05:00 p.m.	
Saturday 23/04/2016	123	CHEMISTRY Paper–V (221403) Physical Chemistry	124	COMPUTER SCIENCE Paper V(221409) Data Structures	
Monday 25/04/2016	125	CHEMISTRY Paper–VI (221404) Analytical & Industrial Inorganic Chemistry	126	COMPUTER SCIENCE Paper–VI (221410) System Analysis & Design	
Tuesday 26/04/2016	127	PHYSICS Paper-V (221423) Optics	128	BIO-CHEMISTRY Paper-III (221405) Nutrition and Metabolism	
			129	PLANT PROTECTION Paper–III (221431) Introduction to weeds & non insect Pests	
Wednesday 27/04/2016	130	PHYSICS Paper-VI (221424) Modern Physics	131	BIO-CHEMISTRY Paper-IV (221406) Molecular Biochemistry & Diseases	
			132	PLANT PROTECTION Paper–IV (221432) Insect pests and their Management	
Thursday 28/04/2016	133	STATISTICS Paper–V (221425) Continuous Probability Distributions and Exact Probability Distributions	134	METEOROLOGY Paper–III (221429) Applied Climatology	
			135	GEO-CHEMISTRY Paper-III (221407) Principles of Geochemistry	
			136	ZOOLOGY Paper–V (221427) Animal Diversity – IV	
Friday 29/04/2016	137	STATISTICS Paper–VI (221426) Applied Statistics	138	METEOROLOGY Paper–IV (221430) Meteorological Instruments	
			139	GEO-CHEMISTRY Paper-IV (221408) Chemistry of the Earth	
			140	ZOOLOGY Paper–VI (221428) Histology & Physiology	
Saturday 30/04/2016	141	MATHEMATICS Paper–V (221421) Differential Equations	142	BOTANY Paper–V (221401) Plant Physiology and Cytogenetics	
Monday 02/05/2016	143	MATHEMATICS Paper–VI (221422) Abstract Algebra - I	144	BOTANY Paper–VI (221402) Utilization of Plant	
Tuesday 03/05/2016	145	GEOGRAPHY Paper–V (221413) Biogeography	146	PSYCHOLOGY Paper–V (221419) Cognitive Psychology	
	147	ELECTRONICS Paper–V (221411) Fundamentals of Operational Amplifier	148	GEOLOGY Paper–V (221415) Igneous Petrology	
			149	MICROBIOLOGY Paper–V (221417) Immunology & Medical Microbiology	
Wednesday 04/05/2016	150	GEOGRAPHY Paper–VI (221414) Agricultural Geography	151	PSYCHOLOGY Paper–VI (221420) Positive Psychology	
	152	ELECTRONICS Paper–VI (221412) Digital Techniques and Microprocessor	153	GEOLOGY Paper–VI (221416) Sedimentary & Metamorphic Petrology	
			154	MICROBIOLOGY Paper–VI (221418) Applied Microbiology-II	

B.Sc. Sem - V (New w.e.f. June 2015) (SYLLABUS-2013)		
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Wednesday 30/03/2016	155	English (Compulsory) (SCS5ENG) English Skills for Success
		<u>Special Paper-IX</u>
Thursday 31/03/2016	156	Physics Paper-IX (SCS5PH9) Mathematical Physics & Statistical Physics
	157	Chemistry Paper-IX (SCS5CH9) Physical Chemistry
	158	Botany Paper-IX (SCS5BO9) Biology of Cryptogams
	159	Zoology Paper-IX (SCS5ZO9) Non-chordates
	160	Mathematics Paper-IX (SCS5MT9) Algebra-II
	161	Statistics Paper-IX (SCS5ST9) Statistical Inference - I
	162	Geology Paper-IX (SCS5GL9) Earth's Physics and Dynamics
	163	Microbiology Paper-IX (SCS5MB9) Virology, Extremophiles and Bioinformatics
	164	Electronics Paper-IX (SCS5EL9) Linear Integrated Circuits and Applications
	165	Computer Science Paper-IX (SCS5CS9) Visual Programming
		<u>Special Paper -X</u>
Friday 01/04/2016	166	Physics Paper-X (SCS5PH10) Solid State Physics
	167	Chemistry Paper-X (SCS5CH10) Inorganic Chemistry
	168	Botany Paper-X (SCS5BO10) Gymnosperms and Palaeobotany
	169	Zoology Paper-X (SCS5ZO10) Biostatistics, Bioinformatics, Medical Zoology and Evolutionary Genetics
	170	Mathematics Paper-X (SCS5MT10) Complex Analysis
	171	Statistics Paper-X (SCS5ST10) Sampling Techniques
	172	Geology Paper-X (SCS5GL10) Geomorphology
	173	Microbiology Paper-X (SCS5MB10) Industrial Microbiology
	174	Electronics Paper-X (SCS5EL10) Fundamentals of Communication
	175	Computer Science Paper-X (SCS5CS10) Core Java

B.Sc. Sem - V (New w.e.f. June 2015) (SYLLABUS-2013)			(Cont...)
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.	
		<u>Special Paper XI</u>	
Saturday 02/04/2016	176	Physics Paper XI (SCS5PH11) Classical Mechanics	
	177	Chemistry Paper XI (SCS5CH11) Organic Chemistry	
	178	Botany Paper XI (SCS5BO11) Genetics	
	179	Zoology Paper XI (SCS5ZO11) Comparative Anatomy of Chordates	
	180	Mathematics Paper XI (SCS5MT11) Integral Calculus	
	181	Statistics Paper XI (SCS5ST11) Probability Distributions & Stochastic Process	
	182	Geology Paper XI (SCS5GL11) Environmental Geology	
	183	Microbiology Paper XI (SCS5MB11) Agricultural Microbiology	
	184	Electronics Paper XI (SCS5EL11) Fundamentals of Microcontroller	
	185	Computer Science Paper XI (SCS5CS11) Operating System -I	
		<u>Special Paper XII</u>	
Monday 04/04/2016	186	Physics Paper XII (SCS5PH12) Nuclear Physics	
	187	Chemistry Paper XII (SCS5CH12) Analytical and Industrial Physical Chemistry	
	188	Botany Paper XII (SCS5BO12) Plant Biochemistry	
	189	Zoology Paper XII (SCS5ZO12) Developmental Biology	
	190	Mathematics Paper XII (SCS5MT12) Partial Differential Equations	
	191	Statistics Paper XII (SCS5ST12) Operations Research and Applied Statistics	
	192	Geology Paper XII (SCS5GL12) Hydrogeology and Remote Sensing	
	193	Microbiology Paper XII (SCS5MB12) Immunology	
	194	Electronics Paper XII (SCS5EL12) Sensors and Instrumentation	
	195	Computer Science Paper XII (SCS5CS12) Data Communication and Networking - I	

B.Sc. Sem - V (w.e.f. June 2012) (SYLLABUS-2010) (Old up to Mar 2016)		
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Wednesday 30/03/2016	196	English (Compulsory) (BSCS501) Countdown-English Skills for Success
		Special Paper-IX
Thursday 31/03/2016	197	Physics Paper-IX (BSCS502) Mathematical Physics & Statistical Physics
	198	Chemistry Paper-IX (BSCS506) Physical Chemistry
	199	Botany Paper-IX (BSCS514) Biology of Cryptogams
	200	Zoology Paper-IX (BSCS518) Non-chordates
	201	Mathematics Paper-IX (BSCS510) Real Analysis
	202	Statistics Paper-IX (BSCS534) Statistical Inference - I
	203	Geology Paper-IX (BSCS522) Earth's Physics and Dynamics
	204	Microbiology Paper-IX (BSCS526) Virology, Extremophiles and Bioinformatics
	205	Electronics Paper-IX (BSCS530) Linear Integrated Circuits and Applications
	206	Computer Science Paper-IX (BSCS538) Visual Programming
		Special Paper -X
Friday 01/04/2016	207	Physics Paper-X (BSCS503) Solid State Physics
	208	Chemistry Paper-X (BSCS507) Inorganic Chemistry
	209	Botany Paper-X (BSCS515) Gymnosperms and Palaeobotany
	210	Zoology Paper-X (BSCS519) Biostatistics, Bioinformatics, Medical Zoology and Evolutionary Genetics
	211	Mathematics Paper-X (BSCS511) Abstract Algebra
	212	Statistics Paper-X (BSCS535) Sampling Techniques
	213	Geology Paper-X (BSCS523) Geomorphology
	214	Microbiology Paper-X (BSCS527) Industrial Microbiology
	215	Electronics Paper-X (BSCS531) Fundamentals of Communication
	216	Computer Science Paper-X (BSCS539) Core Java

B.Sc. Sem - V (w.e.f. June 2012) (SYLLABUS-2010) (Old up to Mar 2016)			(Cont...)
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.	
		<u>Special Paper XI</u>	
Saturday 02/04/2016	217	Physics Paper XI (BSCS504) Classical Mechanics & Spectroscopy	
	218	Chemistry Paper XI (BSCS508) Organic Chemistry	
	219	Botany Paper XI (BSCS516) Genetics	
	220	Zoology Paper XI (BSCS520) Comparative Anatomy of Chordates	
	221	Mathematics Paper XI (BSCS512) Complex Analysis	
	222	Statistics Paper XI (BSCS536) Probability Distributions & Stochastic Process	
	223	Geology Paper XI (BSCS524) Environmental Geology	
	224	Microbiology Paper XI (BSCS528) Agricultural Microbiology	
	225	Electronics Paper XI (BSCS532) Microcontroller and Interfacing	
	226	Computer Science Paper XI (BSCS540) Operating System -I	
		<u>Special Paper XII</u>	
Monday 04/04/2016	227	Physics Paper XII (BSCS505) Electrodynamics	
	228	Chemistry Paper XII (BSCS510) Analytical and Industrial Physical Chemistry	
	229	Botany Paper XII (BSCS517) Plant Biochemistry	
	230	Zoology Paper XII (BSCS521) Developmental Biology	
	231	Mathematics Paper XII (BSCS513) Programming in C	
	232	Statistics Paper XII (BSCS537) Operations Research and Applied Statistics	
	233	Geology Paper XII (BSCS525) Hydrogeology and Remote Sensing	
	234	Microbiology Paper XII (BSCS529) Immunology	
	235	Electronics Paper XII (BSCS533) Power Electronics	
	236	Computer Science Paper XII (BSCS541) Data Communication and Networking - I	

B.Sc. Sem - VI (w.e.f. Nov 2012) (SYLLABUS-2010) (Old up to Oct 2016)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 12:30 p.m.
Tuesday 22/03/2016	237	English (Compulsory) (BSCS601) Countdown-English Skills for Success
		<u>Special Paper-XIII</u>
Wednesday 23/03/2016	238	Physics Paper-XIII (BSCS602) Nuclear Physics
	239	Chemistry Paper-XIII (BSCS606) Physical Chemistry
	240	Botany Paper-XIII (BSCS614) Microbiology and Plant Pathology
	241	Zoology Paper-XIII (BSCS618) Physiology
	242	Mathematics Paper-XIII (BSCS610) Metric Spaces
	243	Statistics Paper-XIII (BSCS634) Statistical Inference - II
	244	Geology Paper-XIII (BSCS622) Crystallography, Principles of Stratigraphy and Earth's History
	245	Microbiology Paper-XIII (BSCS626) Microbial Genetics
	246	Electronics Paper-XIII (BSCS630) Sensors and Instrumentation
	247	Computer Science Paper-XIII (BSCS638) Web Technology
		<u>Special Paper -XIV</u>
Saturday 26/03/2016	248	Physics Paper-XIV (BSCS603) Materials Science
	249	Chemistry Paper-XIV (BSCS607) Inorganic Chemistry
	250	Botany Paper-XIV (BSCS615) Systematics of Angiosperms
	251	Zoology Paper-XIV (BSCS619) Endocrinology, Environmental Biology and Toxicology
	252	Mathematics Paper-XIV (BSCS611) Linear Algebra
	253	Statistics Paper-XIV (BSCS635) Design of Experiment
	254	Geology Paper-XIV (BSCS623) Pre-Cambrian Stratigraphy of India
	255	Microbiology Paper-XIV (BSCS627) Microbial Biochemistry
	256	Electronics Paper-XIV (BSCS631) Advanced Communication
	257	Computer Science Paper-XIV (BSCS639) Advanced Java

B.Sc. Sem - VI (w.e.f. Nov 2012) (SYLLABUS-2010) (Old up to Oct 2016)			(Cont...)
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 12:30 p.m.	
		<u>Special Paper XV</u>	
Monday 28/03/2016	258	Physics Paper-XV (BSCS604) Quantum Mechanics & Astrophysics	
	259	Chemistry Paper-XV (BSCS608) Organic Chemistry	
	260	Botany Paper-XV (BSCS616) Microbial Genetics, Plant Breeding and Biostatistics	
	261	Zoology Paper-XV (BSCS620) Molecular Biology and Biotechnology	
	262	Mathematics Paper-XV (BSCS612) Partial Differential Equation	
	263	Statistics Paper-XV (BSCS636) Limit Theorems, Reliability and Queuing Theory	
	264	Geology Paper-XV (BSCS624) Phanerozoic Stratigraphy of India	
	265	Microbiology Paper-XV (BSCS628) Environmental Microbiology	
	266	Electronics Paper-XV (BSCS632) Embedded System Design	
	267	Computer Science Paper-XV (BSCS640) Operating System –II	
		<u>Special Paper XVI</u>	
Tuesday 29/03/2016	268	Physics Paper-XVI (BSCS605) Electronics & Computer Programming	
	269	Chemistry Paper-XVI (BSCS609) Analytical and Industrial Organic Chemistry	
	270	Botany Paper-XVI (BSCS617) Molecular Biology and Biotechnology	
	271	Zoology Paper-XVI (BSCS621) Biotechniques and Applied Zoology	
	272	Mathematics Paper-XVI (BSCS613) Graph Theory	
	273	Statistics Paper-XVI (BSCS637) C - Programming	
	274	Geology Paper-XVI (BSCS625) Economic Geology	
	275	Microbiology Paper-XVI (BSCS627) Medical Microbiology	
	276	Electronics Paper-XVI (BSCS633) Advanced Electronics Technology	
	277	Computer Science Paper-XVI (BSCS641) Data Communication and Networking - II	

B.Sc. Sem - VI (New w.e.f. Nov 2015) (SYLLABUS-2013)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 12:30 p.m.
Tuesday 22/03/2016	278	English (Compulsory) (SCS6ENC) Breakthrough
		<u>Special Paper-XIII</u>
Wednesday 23/03/2016	279	Physics Paper-XIII (SCS6PH13) Electrodynamics
	280	Chemistry Paper-XIII (SCS6CH13) Physical Chemistry
	281	Botany Paper-XIII (SCS6BO13) Microbiology and Plant Pathology
	282	Zoology Paper-XIII (SCS6ZO13) Physiology
	283	Mathematics Paper-XIII (SCS6MT13) Metric Spaces
	284	Statistics Paper-XIII (SCS6ST13) Statistical Inference - II
	285	Geology Paper-XIII (SCS6GL13) Crystallography, Principles of Stratigraphy and Earth's History
	286	Microbiology Paper-XIII (SCS6MB13) Microbial Genetics
	287	Electronics Paper-XIII (SCS6EL13) Power Electronics
	288	Computer Science Paper-XIII (SCS6CS13) Web Technology
		<u>Special Paper -XIV</u>
Saturday 26/03/2016	289	Physics Paper-XIV (SCS6PH14) Materials Science
	290	Chemistry Paper-XIV (SCS6CH14) Inorganic Chemistry
	291	Botany Paper-XIV (SCS6BO14) Systematics of Angiosperms
	292	Zoology Paper-XIV (SCS6ZO14) Endocrinology, Environmental Biology and Toxicology
	293	Mathematics Paper-XIV (SCS6MT14) Numerical Analysis
	294	Statistics Paper-XIV (SCS6ST14) Design of Experiment
	295	Geology Paper-XIV (SCS6GL14) Pre-Cambrian Stratigraphy of India
	296	Microbiology Paper-XIV (SCS6MB14) Microbial Biochemistry
	297	Electronics Paper-XIV (SCS6EL14) Advanced Communication
	298	Computer Science Paper-XIV (SCS6CS14) Advanced Java

B.Sc. Sem - VI (New w.e.f. Nov 2015)			(Cont...)
(SYLLABUS-2013)			
Day & Date	Sr. No.	Subject	
		Time: 10:30 a.m. to 12:30 p.m.	
		<u>Special Paper XV</u>	
Monday 28/03/2016	299	Physics Paper-XV (SCS6PH15) Atomic, Molecular Physics and Quantum Mechanics.	
	300	Chemistry Paper-XV (SCS6CH15) Organic Chemistry	
	301	Botany Paper-XV (SCS6BO15) Microbial Genetics, Plant Breeding and Biostatistics	
	302	Zoology Paper-XV (SCS6ZO15) Molecular Biology and Biotechnology	
	303	Mathematics Paper-XV (SCS6MT15) Integral Transform	
	304	Statistics Paper-XV (SCS6ST15) Limit Theorems, Reliability and Queuing Theory	
	305	Geology Paper-XV (SCS6GL15) Phanerozoic Stratigraphy of India	
	306	Microbiology Paper-XV (SCS6MB15) Environmental Microbiology	
	307	Electronics Paper-XV (SCS6EL15) Embedded System Design	
	308	Computer Science Paper-XV (SCS6CS15) Operating System –II	
		<u>Special Paper XVI</u>	
Tuesday 29/03/2016	309	Physics Paper-XVI (SCS6PH16) Electronics & Instrumentation	
	310	Chemistry Paper-XVI (SCS6CH16) Analytical and Industrial Organic Chemistry	
	311	Botany Paper-XVI (SCS6BO16) Molecular Biology and Biotechnology	
	312	Zoology Paper-XVI (SCS6ZO16) Biotechniques and Applied Zoology	
	313	Mathematics Paper-XVI (SCS6MT16) Programming in C	
	314	Statistics Paper-XVI (SCS6ST16) C – Programming	
	315	Geology Paper-XVI (SCS6GL16) Economic Geology	
	316	Microbiology Paper-XVI (SCS6MB16) Medical Microbiology	
	317	Electronics Paper-XVI (SCS6EL16) Measurement Instrumentation and Control System	
	318	Computer Science Paper-XVI(SCS6CS16) Data Communication and Networking - II	

Exam March 2016

B.Sc. Sem.-VI (Repeater Students)		
Day & Date	SUBJECT Time : 11:00 a.m. to 01:00 p.m.	Candidates note that Environmental Studies Examination will be conducted in their Parent College
	Environmental Studies (2014)	

NOTE:-

1. The Practical Examination will be CONDUCTED BEFORE THE COMMENCEMENT OF THEORY EXAMINATION AND THE PROGRAM WILL BE COMMUNICATED SEPARATELY.
2. Candidate should write answer in **BLUE INK** only.
3. The use of stencil is allowed at the Examinations.
4. The students are allowed to use Non Programmable Scientific calculators for Numerical calculations at their own cost. University will not supply such calculators.
5. Cellular phone, Pager, Programmable Scientific Calculator and Digital Diary or any means which can be used for unfair practice are not allowed in the Examination Hall.
6. Seating arrangement is made date wise & subject wise therefore candidates are requested to see their seating arrangement one day before the date of the Examination.
7. The Examination programme is subject to change. Candidates are therefore advised to see the Final Programme. If there is any change in the examination programme the University is not responsible for the loss or inconvenience caused to the candidates.
8. (**Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects, Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents.)

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SOLAPUR UNIVERSITY, SOLAPUR

CIRCULAR NO.20 EXAM OF 2016 SEMESTER PATTERN EXAMINATION

DRAFT PROGRAM OF B.SC. (ENTREPRENEURSHIP) SEMESTER – I TO VI EXAMINATION TO BE HELD IN MAR/APR-2016

1. Students should see their Seat No. and Name in the Name list and mistakes if any should be communicated to this office immediately. All candidates are requested to confirm their Examination Seat No. as well as place of examination on the Notice Board of the University/College mentioned below at least Two days before the date of Examination. The candidate should write correct Seat No. On each Answer Book. If candidate writes wrong Seat No. on Answer Book the performance of such subject will not be considered.
2. Candidates are requested to be present at their respective places of examinations **FIFTEEN MINUTES** before the time starting of the first paper and **TEN MINUTES** before the time of starting of each subsequent paper. Candidates are forbidden to take any book or paper into the Examination Hall.
3. **Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects; Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents.

The center & Place of the Examinations will be as under.

Sr. No.	Center	College Abbreviation	Place
1	Wadala	LOK	Lokmangal Biotechnology College

The written Examination will be conducted in the following order.

B.Sc. (Entrepreneurship) Sem – I (w.e.f. June 2014) (CGPA Pattern-2014)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 01:00 p.m.
Tuesday 22/03/2016	1	English (ENT105)
Wednesday 23/03/2016	2	Entrepreneurship Paper – I (ENT101) Section-I Entrepreneurship & The world of Business Section-II Economics for Manager & Managerial Accounting
Saturday 26/03/2016	3	Industrial Chemistry Paper – I (ENT102) Section-I Fundamentals of Inorganic Chemistry Section-II Fundamentals of Organic Chemistry
Monday 28/03/2016	4	Industrial Microbiology –I (ENT103) Section-I Fundamentals of Microbiology Section-II Basic Techniques in Microbiology
Tuesday 29/03/2016	5	Industrial Biotechnology Paper-I (ENT104) Section-I Cell biology Section-II Animal & plant physiology

B.Sc. (Entrepreneurship) Sem – II (w.e.f. Nov 2014) (CGPA Pattern-2014)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 01:00 p.m.
Thursday 31/03/2016	6	English (ENT205) On Track-English Skills for Success
Friday 01/04/2016	7	Entrepreneurship Paper – II (ENT201) Section-I Principles of marketing & Management accounting Section-II Cost accounting and Project Management
Saturday 02/04/2016	8	Industrial Chemistry Paper – II (ENT202) Section-I Fundamentals of Physical Chemistry Section-II Fundamentals of Analytical Chemistry
Monday 04/04/2016	9	Industrial Microbiology Paper – II (ENT203) Section-I Fundamental of microbiology Section-II Basic techniques in Microbiology
Tuesday 05/04/2016	10	Industrial Biotechnology Paper-II (ENT204) Section-I Basic Biomolecules Section-II Basics of Metabolism

B.Sc. (Entrepreneurship) Sem – III (New w.e.f. June 2015) (CGPA Pattern-2014)		
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 05:00 p.m.
Wednesday 06/04/2016	11	Entrepreneurship Paper –III (ENT301) Principles of Business Management & Business Organization
Thursday 07/04/2016	12	Entrepreneurship Paper –IV (ENT302) Advanced Accountancy & Auditing
Saturday 09/04/2016	13	Industrial Chemistry Paper - III (ENT303) Analytical & Industrial Aspects of Inorganic Chemistry
Monday 11/04/2016	14	Industrial Chemistry Paper – IV (ENT304) Analytical & Industrial Aspects of Organic Chemistry
Tuesday 12/04/2016	15	Microbial Biotechnology Paper - III (ENT305) Genetics
Wednesday 13/04/2016	16	Microbial Biotechnology Paper – IV (ENT306) Fermentation Technology

B.Sc. (Entrepreneurship) Sem – III (w.e.f. June 2014) (SYLLABUS-2013) (Old up to Mar 2016)		
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Wednesday 06/04/2016	17	Entrepreneurship Paper – V (ENTS3-01) Principles of Business Management & Business Organization
Thursday 07/04/2016	18	Entrepreneurship Paper-VI (ENTS3-02) Advanced Accountancy & Auditing
Saturday 09/04/2016	19	Industrial Chemistry Paper – V (ENTS3-03) Analytical & Industrial Aspects of Inorganic Chemistry
Monday 11/04/2016	20	Industrial Chemistry Paper – VI (ENTS3-04) Analytical & Industrial Aspects of Organic Chemistry
Tuesday 12/04/2016	21	Microbiology & Biotechnology Paper-V (ENTS3-05) Genetics
Wednesday 13/04/2016	22	Microbiology & Biotechnology Paper-VI (ENTS3-06) Fermentation Technology

B.Sc. (Entrepreneurship) Sem – IV (w.e.f. Nov 2014) (SYLLABUS-2013) (Old up to Oct 2016)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 12:30 p.m.
Saturday 16/04/2016	23	Entrepreneurship Paper – VII (ENT-201) Corporate Accounting & Professional Ethics
Monday 18/04/2016	24	Entrepreneurship Paper-VIII Marketing Decision & International Marketing
Wednesday 20/04/2016	25	Industrial Chemistry Paper – VII (ENT-202) Analytical & Industrial Aspects of Physical Chemistry
Thursday 21/04/2016	26	Industrial Chemistry Paper – VIII Industrial Aspects of Applied Chemistry
Friday 22/04/2016	27	Microbiology & Biotechnology Paper-VII (ENT-203) Molecular Biology
Saturday 23/04/2016	28	Microbiology & Biotechnology Paper-VIII Food & Dairy Technology

B.Sc. (Entrepreneurship) Sem – IV (New w.e.f. Nov 2015) (CGPA Pattern-2014)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 01:00 p.m.
Saturday 16/04/2016	29	Entrepreneurship Paper – V (ENT401) Corporate Accounting & Professional Ethics
Monday 18/04/2016	30	Entrepreneurship Paper-VI (ENT402) Marketing Decision & International Marketing
Wednesday 20/04/2016	31	Industrial Chemistry Paper – V(ENT403) Analytical & Industrial Aspects of Physical Chemistry
Thursday 21/04/2016	32	Industrial Chemistry Paper – VI (ENT404) Industrial Aspects of Applied Chemistry
Friday 22/04/2016	33	Microbiology & Biotechnology Paper-V(ENT405) Molecular Biology
Saturday 23/04/2016	34	Microbiology & Biotechnology Paper-VI (ENT406) Food & Dairy Technology

B.Sc. Sem – V (Entrepreneurship) (SYLLABUS-2013) (New w.e.f. June 2015)		
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Wednesday 30/03/2016	35	English (ENTS505)
Thursday 31/03/2016	36	Entrepreneurship Paper – IX (ENTS501) Business Finance
Friday 01/04/2016	37	Entrepreneurship Paper-IX (ENTS502) Human Resource Management
Saturday 02/04/2016	38	Industrial Chemistry Paper – IX (ENTS503) Spectroscopic Methods
Monday 04/04/2016	39	Industrial Microbiology & Biotechnology Paper – IX Advance in Fermentation Technology

B.Sc. Sem – V (Entrepreneurship) (w.e.f. June 2012) (SYLLABUS-2010) (Old up to Mar 2016)		
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Wednesday 30/03/2016	40	English (ENTS505) Countdown-English Skills for Success
Thursday 31/03/2016	41	Entrepreneurship Paper – IX (ENTS501) Business Finance
Friday 01/04/2016	42	Entrepreneurship Paper-IX (ENTS502) Human Resource Management
Saturday 02/04/2016	43	Industrial Chemistry Paper – IX (ENTS503) Spectroscopic Methods
Monday 04/04/2016	44	Industrial Microbiology & Biotechnology Paper – IX Fermentation Technology & its Application (ENTS504)

B.Sc. (Entrepreneurship) Sem – VI (w.e.f. Nov 2012) (SYLLABUS-2010) (Old up to Oct 2016)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 12:30 p.m.
Tuesday 22/03/2016	45	English (ENTS605) Countdown-English Skills for Success
Wednesday 23/03/2016	46	Entrepreneurship Paper – X (ENTS601) International Business
Saturday 26/03/2016	47	Entrepreneurship Paper - X (ENTS602) Organizational Behavior
Monday 28/03/2016	48	Ind. Chemistry Paper - X (ENTS603) Techniques in Industrial Chemistry
Tuesday 29/03/2016	49	Ind. Microbiology & Biotechnology Paper - X (ENTS604) Genetic Engineering & Techniques in Plant Tissue Culture

B.Sc. (Entrepreneurship) Sem – VI (SYLLABUS-2010) (New w.e.f. June 2015)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 12:30 p.m.
Tuesday 22/03/2016	50	English (ENTS605) Countdown-English Skills for Success
Wednesday 23/03/2016	51	Entrepreneurship Paper – X (ENTS601) International Business
Saturday 26/03/2016	52	Entrepreneurship Paper - X (ENTS602) Organizational Behavior
Monday 28/03/2016	53	Ind. Chemistry Paper - X (ENTS603) Techniques in Industrial Chemistry
Tuesday 29/03/2016	54	Ind. Microbiology & Biotechnology Paper - X (ENTS604) Genetic Engineering & Techniques in Plant Tissue Culture

B.Sc. (Entrepreneurship) Sem-VI (Repeater Students)		
Day & Date	SUBJECT Time: 11:00 a.m. to 01:00 p.m.	Candidates note that Environmental Studies Examination will be conducted in their Parent College
	Environmental Studies (2010)	

Note:

1. The students are allowed to use the calculators for Numerical calculations at their own cost. University will not supply such calculators.
2. Cellular phone, Pager, Programmable Scientific Calculator and Digital Diary or any means which can be used for unfair practice are not allowed in the Examination hall.
3. The Examination Program is subject to change. If there is any change the University is not responsible for the loss or inconvenience caused to the candidates.
4. (**Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects, Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents.)

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SOLAPUR UNIVERSITY, SOLAPUR

CIRCULAR NO.19 EXAM OF 2016 SEMESTER PATTERN EXAMINATION

DRAFT PROGRAM OF B.SC. (BIOTECHNOLOGY) SEMESTER – I TO VI EXAMINATION TO BE HELD EXAM MAR/APR 2016

1. Students should see their Seat No. and Name in the Name list and mistakes if any should be communicated to this office immediately. All candidates are requested to confirm their Examination Seat No. as well as place of examination on the Notice Board of the University/College mentioned below at least two days before the date of Examination. The candidate should write correct Seat No. on each Answer Book. If candidate writes wrong Seat No. on Answer Book the performance of such subject will not be considered.
2. Candidates are requested to be present at their respective places of examinations **FIFTEEN MINUTES** before the time starting of the first paper and **TEN MINUTES** before the time starting of each subsequent paper. Candidates are forbidden to take any book or paper into the Examination Hall.
3. (**Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects, Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents.)

The Centers & Places of Examinations will be as under.

Sr. No.	Center	College Abbreviation	Place
1	SOLAPUR	DHB	D.H.B. Soni College
2	WADALA	LOK	Lokmangal Biotechnology College

The Written Examination will be conducted in the following order

B.Sc. (Biotechnology) Sem – I (w.e.f. June 2014) (CGPA Pattern-2014)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 01:00 p.m.
Tuesday 22/03/2016	1	English (BTS101)
Wednesday 23/03/2016	2	Ecology & Microbiology (BTS102) Paper-I : Ecology Paper-II : Microbiology
Saturday 26/03/2016	3	Introduction to Biosciences (BTS103) Paper-I : Plant Science Paper-II : Animal Science
Monday 28/03/2016	4	Fundamentals of Chemistry and Biophysics (BTS104) Paper-I : Chemical Science Paper-II : Biophysics
Tuesday 29/03/2016	5	Cell Biology and Biostatistics (BTS105) Paper-I : Cell Biology Paper-II : Biostatistics

B.Sc. (Biotechnology) Sem – II (w.e.f. Nov 2014) (CGPA Pattern-2014)		
Day & Date	Sr. No	Subject Time: 10:30 a.m. to 01:00 p.m.
Thursday 31/03/2016	6	English (BTS201) On Track-English Skills for Success
Friday 01/04/2016	7	Environmental Pollution and Microbial Techniques (BTS202) Paper-I Environmental Pollution Paper-II Microbial Techniques
Saturday 02/04/2016	8	Biochemistry and Cell Physiology (BTS203) Paper-I Biochemistry Paper-II Cell Physiology
Monday 04/04/2016	9	Biometry and Tissue Culture (BTS204) Paper-I Biometry Paper-II Introduction to Tissue Culture
Tuesday 05/04/2016	10	Taxonomy and Computer Science (BTS205) Paper-I Taxonomy Paper-II Computer Science

B.Sc. (Biotechnology) Sem- III (New w.e.f. June 2015) (CGPA Pattern-2014)		
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 05.00 p.m.
Wednesday 06/04/2016	11	Inheritance Biology (BTS301)
Thursday 07/04/2016	12	Cyto-Genetics and Population Genetics (BTS302)
Saturday 09/04/2016	13	Biophysical Instruments (BTS303)
Monday 11/04/2016	14	Analytical Techniques (BTS304)
Tuesday 12/04/2016	15	Immunology – I (BTS305)
Wednesday 13/04/2016	16	Immunology – II (BTS306)

B.Sc. (Biotechnology) Sem- III (w.e.f. June 2014) (SYLLABUS-2013) (Old up to Mar 2016)		
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 04.30 p.m.
Wednesday 06/04/2016	17	Genetics Inheritance Biology – I (BTS3IHB)
Thursday 07/04/2016	18	Genetics Cyto-Genetics and Population Genetics – II (BTS3GPG)
Saturday 09/04/2016	19	Bio techniques Biophysical Techniques – I (BTS3PT)
Monday 11/04/2016	20	Bio techniques Biochemical Techniques – II (BTS3BCT)
Tuesday 12/04/2016	21	Immunology Cells and Organs of Immunity – I (BTS3COI)
Wednesday 13/04/2016	22	Immunology Immune Effector Mechanisms – II (BTS3IEM)

B.Sc. (Biotechnology) Sem- IV (New w.e.f. Nov 2015) (CGPA Pattern-2014)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 01:00 p.m.
Saturday 16/04/2016	23	Molecular Biology – I (BTS401)
Monday 18/04/2016	24	Molecular Biology – II (BTS402)
Wednesday 20/04/2016	25	Plant Tissue Culture (BTS403)
Thursday 21/04/2016	26	Animal Tissue Culture (BTS404)
Friday 22/04/2016	27	Bioenergetics and Enzymology (BTS405)
Saturday 23/04/2016	28	Metabolism (BTS406)

B.Sc. (Biotechnology) Sem- IV (w.e.f. Nov 2014) (SYLLABUS-2013) (Old up to Oct 2016)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 12:30 p.m.
Saturday 16/04/2016	29	Molecular Biology (BTS4BCT) Molecular Biology of Gene
Monday 18/04/2016	30	Molecular Biology (BTS4BPT) Gene Regulation
Wednesday 20/04/2016	31	Tissue Techniques (BTS4COI) Plant Tissue Culture
Thursday 21/04/2016	32	Tissue Techniques (BTS4GPG) Animal Tissue Culture
Friday 22/04/2016	33	Metabolism (BTS4IEM) Bioenergetics and Enzymology
Saturday 23/04/2016	34	Metabolism (BTS4BIHB) Metabolism

B.Sc. (Biotechnology) Sem- V (SYLLABUS-2013) (New w.e.f. June 2015)		
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 04.30 p.m.
Wednesday 30/03/2016	35	English (BTS5ENG)
Thursday 31/03/2016	36	Plant Development (BTS5PD)
Friday 01/04/2016	37	Animal Development (BTS5AD)
Saturday 02/04/2016	38	Bioinformatics & Nanotechnology (BTS5BN)
Monday 04/04/2016	39	Recent Trends in Biotechnology (BTS5RTB)

B.Sc. (Biotechnology) Sem- V (w.e.f. June 2012) (SYLLABUS-2010) (Old up to Mar 2016)		
Day & Date	Sr. No.	Subject Time: 02:30 p.m. to 04.30 p.m.
Wednesday 30/03/2016	40	English Countdown –English Skills for Success (BTS506)
Thursday 31/03/2016	41	Genetic Engineering : Tools & Techniques (BTS501)
Friday 01/04/2016	42	Fermentation Technology (BTS502)
Saturday 02/04/2016	43	Plant Development (BTS503)
Monday 04/04/2016	44	Bioinformatics (BTS504)

B.Sc. (Biotechnology) Sem- VI (SYLLABUS-2013) (New w.e.f. Nov 2015)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 12:30 p.m.
Tuesday 22/03/2016	45	English Countdown –English Skills for Success (BTS6ENC)
Wednesday 23/03/2016	46	Genetic Engineering : Tools and Techniques (BTS6TT)
Saturday 26/03/2016	47	Genetic Engineering : Application (BTS6AP)
Monday 28/03/2016	48	Microbial Biotechnology : Fermentation Technology (BTS6FT)
Tuesday 29/03/2016	49	Microbial Biotechnology : Food and Dairy Technology (BTS6FDT)

B.Sc. (Biotechnology) Sem- VI (w.e.f. Nov 2012) (SYLLABUS-2010) (Old up to Oct 2016)		
Day & Date	Sr. No.	Subject Time: 10:30 a.m. to 12:30 p.m.
Tuesday 22/03/2016	50	English Countdown –English Skills for Success (BTS606)
Wednesday 23/03/2016	51	Genetic Engineering : Applications (BTS601)
Saturday 26/03/2016	52	Food and Dairy Technology (BTS602)
Monday 28/03/2016	53	Animal Development (BTS603)
Tuesday 29/03/2016	54	Nano biotechnology (BTS604)

B.Sc. (Biotechnology) Sem-VI (Repeater Students)		
Day & Date	SUBJECT Time: 11:00 a.m. to 01:00 p.m.	Candidates note that Environmental Studies Examination will be conducted in their Parent College
	Environmental Studies (2013)	

Note:

1. The Practical Examination will be CONDUCTED BEFORE THE COMMENCEMENT OF THEORY EXAMINATION AND THE PROGRAM WILL BE COMMUNICATED SEPARATELY.
2. The students are allowed to use the calculators for Numerical calculations at their own cost. University will not supply such calculators.
3. Cellular phone, Pager, Programmable Scientific Calculator and Digital Diary or any Means which can be used for unfair practice are not allowed in the Examination hall.
4. The Examination Programme is subject to change. If there is any change the University is not responsible for the loss or inconvenience caused to the candidates.
5. (**Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects, Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents)

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SOLAPUR UNIVERSITY, SOLAPUR

CIRCULAR NO.21 EXAM OF 2016 **SEMESTER PATTERN EXAMINATION**

DRAFT PROGRAM OF B.SC. ENTIRE COMPUTER SCIENCE (E.C.S.) SEMESTER – I TO VI EXAMINATION TO BE HELD IN MAR/APR-2016

1. Students should see their Seat No. and Name in the Name list and mistakes if any should be communicate to this office immediately. All candidates are requested to confirm their Examination Seat No. as well as place of examination on the Notice Board of the University/College mentioned below at least two days before the date of Examination. If the candidate writes wrong Seat No. on answer book the performance of such subject will not be considered.
2. Candidates are requested to be present at their respective places of Examination **FIFTEEN MINUTES** before the time starting of the first paper and **TEN MINUTES** before the time of starting of each subsequent paper. Candidates are forbidden to take any book or paper into the Examination Hall.
3. (**Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects; Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents)

The Centers & Places of the Examinations will be as under.

Sr. No.	Center	College Abbreviation	Place
1	SOLAPUR	UES	U.E.S. Mahila Mahavidyalaya
2	PANDHARPUR	KBP	Karmveer Bhaurao Patil Mahavidhyalaya
3	SANGOLA	VIMAS	Vidnyan Mahavidyalaya
4		SANG	Sangola College
5	AKLUJ	GCCTA	Green Fingers College of Computer & Technology
6	NATEPUTE	VMP	S.M. Shankarrao Mohite Patil College
7	Wadala	LOK	Lokmangal Biotechnology College
8	Vairag	SGM	Sou. Suvarnalata Gandhi Mahavidyalaya

Note : According to the students strength Examination centers may be changed before Examinations.

The Written Examination will be conducted in the following order:

B.Sc. (E.C.S.) Sem – I (w.e.f. June 2014) (CGPA Pattern-2014)			
Day & Date	Paper No.	Sr. No.	Subject Time: 10:30 a.m. to 01:00 p.m.
Tuesday 22/03/2016	I	1	English – I (ECSS101)
Wednesday 23/03/2016	II	2	Section: I Computer Fundamentals (ECSS102) Section: II Programming using C – I
Saturday 26/03/2016	III	3	Section: I Linear (ECSS103) Section: II Digital Electronics - I
Monday 28/03/2016	IV	4	Section: I Graph Theory (ECSS104) Section: II Numerical Methods
Tuesday 29/03/2016	V	5	Section: I Descriptive Statistics (ECSS105) Section: II Probability Theory – I

B.Sc. (E.C.S.) Sem – II (w.e.f. Nov 2014) (CGPA Pattern-2014)			
Day & Date	Paper No.	Sr. No.	Subject Time: 10:30 a.m. to 01:00 p.m.
Thursday 31/03/2016	I	6	English – II (ECSS201)
Friday 01/04/2016	II	7	Section: I Computer Fundamentals (ECSS202) Section: II Programming Using 'C' – II
Saturday 02/04/2016	III	8	Section: I Linear (ECSS203) Section: II Digital Electronics – II
Monday 04/04/2016	IV	9	Section: I Algebra (ECSS204) Section: II Operation Research
Tuesday 05/04/2016	V	10	Section: I Descriptive Statistics (ECSS205) Section: II Probability Theory – II

B.Sc. (E.C.S.) Sem – III (New w.e.f. June 2015) (CGPA Pattern-2014)			
Day & Date	Paper No.	Sr. No.	Subject Time: 02:30 p.m. to 05:00 p.m.
Wednesday 06/04/2016	I	11	Operating System (ECSS301)
Thursday 07/04/2016	II	12	Object Oriented Programming Using C++ - I (ECSS304)
Saturday 09/04/2016	III	13	Data Structures and Algorithms (ECSS302)
Monday 11/04/2016	IV	14	Software Engineering – I (ECSS305)
Tuesday 12/04/2016	V	15	Organization of P.C. (ECSS303)
Wednesday 13/04/2016	VI	16	Microprocessors – I (ECSS306)

B.Sc. (E.C.S.) Sem – III (w.e.f. June 2014) (SYLLABUS-2013) (Old up to Mar 2016)			
Day & Date	Paper No.	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Wednesday 06/04/2016	I	17	Operating System – I
Thursday 07/04/2016	II	18	Object Oriented Programming Using C++ - I
Saturday 09/04/2016	III	19	Data Structures and Algorithms - I
Monday 11/04/2016	IV	20	Software Engineering – I
Tuesday 12/04/2016	V	21	Organization of P.C. - I
Wednesday 13/04/2016	VI	22	Microprocessors – I
Saturday 16/04/2016	VII	23	English – I

B.Sc. (E.C.S.) Sem – IV (w.e.f. Nov 2014) (SYLLABUS-2013) (Old up to Oct 2016)			
Day & Date	Paper No.	Sr. No.	Subject Time: 10:30 a.m. to 12:30 p.m.
Monday 18/04/2016	I	24	Operating System – II
Wednesday 20/04/2016	II	25	Object Oriented Programming Using C++ - II
Thursday 21/04/2016	III	26	Data Structures and Algorithms - II
Friday 22/04/2016	IV	27	Software Engineering – II
Saturday 23/04/2016	V	28	Organization of P.C. - II
Monday 25/04/2016	VI	29	Microprocessors – II
Tuesday 26/04/2016	VII	30	English – II

B.Sc. (E.C.S.) Sem – IV (New w.e.f. Nov 2015) (CGPA Pattern-2014)			
Day & Date	Paper No.	Sr. No.	Subject Time: 10:30 a.m. to 01:00 p.m.
Monday 18/04/2016	I	31	Operating System – II (ECSS401)
Wednesday 20/04/2016	II	32	Object Oriented Programming Using C++ - II (ECSS404)
Thursday 21/04/2016	III	33	Data Structures and Algorithms - II (ECSS402)
Friday 22/04/2016	IV	34	Software Engineering – II (ECSS405)
Saturday 23/04/2016	V	35	Organization of P.C. - II (ECSS403)
Monday 25/04/2016	VI	36	Microprocessors – II (ECSS406)

B.Sc. (E.C.S.) Sem – V (New w.e.f. June 2015)			
Day & Date	Paper No.	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Thursday 31/03/2016	I	38	Data Communication and Networking – I (ECS501)
Friday 01/04/2016	II	39	Database Management System – I (ECS502)
Saturday 02/04/2016	III	40	Core Java (ECS503)
Monday 04/04/2016	IV	41	Theory of Computer Science (ECS504)
Tuesday 05/04/2016	V	42	Web Technology and E-Commerce – I (ECS505)
Wednesday 06/04/2016	VI	43	Visual Programming and Application Software – I (ECS506)

B.Sc. (E.C.S.) Sem – V (w.e.f. June 2012) (SYLLABUS-2010) (Old up to Mar 2016)			
Day & Date	Paper No.	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Thursday 31/03/2016	I	44	Data Communication and Networking – I (ECS501)
Friday 01/04/2016	II	45	Database Management System – I (ECS502)
Saturday 02/04/2016	III	46	Core Java (ECS503)
Monday 04/04/2016	IV	47	Theory of Computer Science (ECS504)
Tuesday 05/04/2016	V	48	Web Technology and E-Commerce – I (ECS505)
Wednesday 06/04/2016	VI	49	Visual Programming and Application Software – I (ECS506)

B.Sc. (E.C.S.) Sem – VI (w.e.f. Nov 2012) (SYLLABUS-2010) (Old up to Oct 2016)			
Day & Date	Paper No.	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Tuesday 22/03/2016	I	50	Data Communication and Networking – II (ECS601)
Wednesday 23/03/2016	II	51	Database Management System – II (ECS602)
Saturday 26/03/2016	III	52	Advanced Java (ECS603)
Monday 28/03/2016	IV	53	Compiler Construction (ECS604)
Tuesday 29/03/2016	V	54	Web Technology and E-Commerce – II (ECS605)
Wednesday 30/03/2016	VI	55	Visual Programming and Application Software – II (ECS606)

B.Sc. (E.C.S.) Sem – VI (SYLLABUS-2010) (New w.e.f. Nov 2015)			
Day & Date	Paper No.	Sr. No.	Subject Time: 02:30 p.m. to 04:30 p.m.
Tuesday 22/03/2016	I	56	Data Communication and Networking – II (ECS601)
Wednesday 23/03/2016	II	57	Database Management System – II (ECS602)
Saturday 26/03/2016	III	58	Advanced Java (ECS603)
Monday 28/03/2016	IV	59	Compiler Construction (ECS604)
Tuesday 29/03/2016	V	60	Web Technology and E-Commerce – II (ECS605)
Wednesday 30/03/2016	VI	61	Visual Programming and Application Software – II (ECS606)

B.Sc. (E.C.S.) Sem-VI (Repeater Students)		
Day & Date	SUBJECT Time : 11:00 a.m. to 01:00 p.m.	Candidates note that Environmental Studies Examination will be conducted in their Parent College
	Environmental Studies (2010)	

Note:

1. The use of stencil is allowed at the Examination.
2. The students are allowed to use the calculators for numerical calculations at their own cost. University will not supply such calculators.
3. Cellular Phone, Pager, Programmable Scientific Calculator & Digital Diary or any means which can be used for unfair practice are not allowed in the Examination hall.

4. The Examination Program is subject to change, if there is any change the University is not responsible for the loss or inconvenience caused to the candidates.
5. (**Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects, Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents.)

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Solapur University, Solapur

Ref.No: SUS/EXAM/TIME-TABLE/MAR-APR-2016/90

Date : 20/01/2016

Sd/-
(B P PATIL)
CONTROLLER OF EXAMINATIONS