

# SOLAPUR UNIVERSITY, SOLAPUR

## EXAM OF 2018 SEMESTER PATTERN EXAMINATION

### REVISED FINAL PROGRAM OF B.SC. SEMESTER – I TO VI EXAMINATION TO BE HELD IN MAR/APR-2019

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		SAN	Sangameshwar College
3		VASU	Vasundhara Arts College
4		WCS	Walchand College of Arts & Science
5	PANDHARPUR	KBP	K.B.P. Mahavidyalaya
6	BARSHI	SBZ	Shriman Bhausahab Zadbuke Mahavidyalaya
7		SMB	Shri. Shivaji Mahavidyalaya
8	SHELGAON	HCCB	Hemuji Chandele College, Shelgaon (R)
9	SANGOLA	VIMAS	Vidnyan Mahavidyalaya
10		SANG	Sangola College, Sangola
11	AKLUJ	SMM	Shankarrao Mohite Mahavidyalaya
12	KARMALA	YCMK	Yashwantrao Chavan Mahavidyalaya
13	AKKALKOT	CBK	C.B.Khedgi's College
14	NATEPUTE	SMSMPM	S.M. Shankarrao Mohite Patil College
15	MANGALWEDHA	MMP	Madansinh Mohite-Patil Sci. Mahavidyalaya
16	KURDUWADI	KNB	K.N.Bhise College
17	ANGAR	BPCAS	Baburao Patil College
18	WADALA	MMW	Mauli Mahavidyalaya
19	MANDRUP	SBPC	Santosh Bhimrao Patil College
20	Mohol	DSG	D.S. Garad Mahavidyalaya

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

The Written Examination will be conducted in the following order.

<b>B.Sc. Sem – I (w.e.f. June 2016)</b> <b>(CBCS Pattern-2016)</b>				
<b>Day &amp; Date</b>	<b>Sr. No</b>	<b>Subject</b> <b>Time: 12:00 p.m. to 02:30 p.m.</b>	<b>Sr. No.</b>	<b>Subject</b> <b>Time: 03:30 p.m. to 06:00 p.m.</b>
<b>Tuesday</b> <b>19/03/2019</b>	<b>1</b>	<b>(w.e.f. June 2017)</b> <b>English (Comp.) (17201101)</b> <b>Golden Petal</b>	--	
<b>Wednesday</b> <b>20/03/2019</b>	2	<b>CHEMISTRY Paper-I (201106)</b> Physical Chemistry	12	<b>COMPUTER SCIENCE Paper-I (201120)</b> Fundamental of Computer
<b>Friday</b> <b>22/03/2019</b>	3	<b>CHEMISTRY Paper-II (201107)</b> Inorganic Chemistry	13	<b>COMPUTER SCIENCE Paper-II</b> Programming Using - C (201121)
<b>Saturday</b> <b>23/03/2019</b>	4	<b>PHYSICS Paper-I (201104)</b> Mechanics and properties of matter	14	<b>PHYSICAL GEOGRAPHY Paper – I</b> Geomorphology (201124)
<b>Monday</b> <b>25/03/2019</b>	5	<b>PHYSICS Paper-II (201105)</b> Optics and Laser	15	<b>PHYSICAL GEOGRAPHY Paper – II</b> Geomorphology (201125)
<b>Tuesday</b> <b>26/03/2019</b>	6	<b>STATISTICS Paper-I (201108)</b> Descriptive Statistics-I	16	<b>ZOOLOGY Paper-I (201122)</b> Animal Diversity I
<b>Wednesday</b> <b>27/03/2019</b>	7	<b>STATISTICS Paper-II (201109)</b> Probability and Probability Distributions-I	17	<b>ZOOLOGY Paper-II (201123)</b> Cell Biology and Genetics
<b>Thursday</b> <b>28/03/2019</b>	8	<b>MATHEMATICS Paper-I (201116)</b> Algebra	18	<b>BOTANY Paper-I (201102)</b> Microbiology and Phycology
<b>Friday</b> <b>29/03/2019</b>	9	<b>MATHEMATICS Paper-II (201117)</b> Calculus	19	<b>BOTANY Paper-II (201103)</b> Biomolecules and Cell Biology
<b>Saturday</b> <b>30/03/2019</b>	10	<b>ELECTRONICS Paper-I (201118)</b> Basic Circuit Theory and Network Analysis	20	<b>PSYCHOLOGY Paper-I (201112)</b> General Psychology
			21	<b>GEOLOGY Paper-I (201110)</b> Mineralogy and Paleontology
			22	<b>MICROBIOLOGY Paper-I (201114)</b> Introduction to Microbiology and Microbial Diversity
<b>Monday</b> <b>01/04/2019</b>	11	<b>ELECTRONICS Paper-II (201119)</b> Digital Fundamentals	23	<b>PSYCHOLOGY Paper-II (201113)</b> Human Development
			24	<b>GEOLOGY Paper-II (201111)</b> Igneous, Sedimentary and Metamorphic Petrology
			25	<b>MICROBIOLOGY Paper-II (201115)</b> Microbial Techniques

<b>B.Sc. Sem – II (w.e.f. Nov 2016)</b> <b>(CBCS Pattern-2016)</b>				
<b>Day &amp; Date</b>	<b>Sr. No</b>	<b>Subject</b> <b>Time: 08:30 a.m. to 11:00 a.m.</b>	<b>Sr. No.</b>	<b>Subject</b> <b>Time: 03:30 p.m. to 06:00 p.m.</b>
<b>Tuesday</b> <b>02/04/2019</b>	26	<b>(w.e.f. Nov 2017)</b> <b>English (Comp.) (17201201)</b> Golden Petal	--	---
<b>Wednesday</b> <b>03/04/2019</b>	27	<b>CHEMISTRY Paper–III (201206)</b> Organic Chemistry	37	<b>COMPUTER SCIENCE Paper-III (201220)</b> Introduction to Web Designing
<b>Thursday</b> <b>04/04/2019</b>	28	<b>CHEMISTRY Paper–IV (201207)</b> Analytical Chemistry	38	<b>COMPUTER SCIENCE Paper–IV (201221)</b> Introduction to Programming Using C - II
<b>Friday</b> <b>05/04/2019</b>	29	<b>PHYSICS Paper-III (201204)</b> Heat and Thermodynamics	39	<b>PHYSICAL GEOGRAPHY Paper – III</b> Climatology (201224)
<b>Monday</b> <b>08/04/2019</b>	30	<b>PHYSICS Paper-IV (201205)</b> Electricity, Magnetism and Basic Electronics	40	<b>PHYSICAL GEOGRAPHY Paper – IV</b> Oceanography (201225)
<b>Tuesday</b> <b>09/04/2019</b>	31	<b>STATISTICS Paper–III (201208)</b> Descriptive Statistics-II	41	<b>ZOOLOGY Paper–III (201222)</b> Animal Diversity – II
<b>Wednesday</b> <b>10/04/2019</b>	32	<b>STATISTICS Paper–IV (201209)</b> Probability and Probability Distributions-II	42	<b>ZOOLOGY Paper–IV (201223)</b> Ecology, Ethology, Evolution and Applied Zoology
<b>Thursday</b> <b>11/04/2019</b>	33	<b>MATHEMATICS Paper–III (201216)</b> Geometry	43	<b>BOTANY Paper–III (201202)</b> Mycology and Phytopathology
<b>Friday</b> <b>12/04/2019</b>	34	<b>MATHEMATICS Paper-IV (201217)</b> Differential Equations	44	<b>BOTANY Paper–IV (201203)</b> Archegoniate Bryophytes, Pteridophytes, Gymnosperm
<b>Monday</b> <b>15/04/2019</b>	35	<b>ELECTRONICS Paper–III (201218)</b> Semiconductor Devices	45	<b>PSYCHOLOGY Paper–III (201212)</b> General Psychology
			46	<b>GEOLOGY Paper–III (201210)</b> Introduction to General Geology
			47	<b>MICROBIOLOGY Paper–III (201214)</b> Microbial Biochemistry and Physiology
<b>Tuesday</b> <b>16/04/2019</b>	36	<b>ELECTRONICS Paper–IV (201219)</b> Digital Electronics	48	<b>PSYCHOLOGY Paper–IV (201213)</b> Human Development
			49	<b>GEOLOGY Paper–IV (201211)</b> Introduction to Physical Geology
			50	<b>MICROBIOLOGY Paper–IV (201215)</b> Applied Microbiology

<b>B.Sc Sem-II (First Year)</b> <b>(w.e.f. Nov 2017)</b>			
<b>Day &amp; Date</b>	<b>Sr. No.</b>	<b>SUBJECT</b> <b>Time: 08:30 am to 09:30 am</b>	<b>Candidates note that Democracy, Elections and Good Governance Examination will be conducted in their Parent (home) College</b>
<b>Sunday</b> <b>21/04/2019</b>	19	<b>Democracy, Elections and Good Governance</b>	

<b>B.Sc. Sem - III (w.e.f. June 2017)</b>					
<b>(CBCS Pattern-2016)</b>					
<b>Day &amp; Date</b>	<b>Sr. No</b>	<b>Subject</b> <b>Time:12:00 p.m. to02:30 p.m.</b>	<b>Day &amp; Date</b>	<b>Sr. No</b>	<b>Subject</b> <b>Time:12:00 p.m. to02:30 p.m.</b>
<b>Tuesday</b> <b>02/04/2019</b>	51	<b>CHEMISTRY Paper-V (201305)</b> Organic Chemistry	<b>Tuesday</b> <b>16/04/2019</b>	63	<b>COMPUTER SCIENCE Paper-V (201317)</b> Object Oriented Programming using C++
<b>Wednesday</b> <b>03/04/2019</b>	52	<b>CHEMISTRY Paper-VI (201306)</b> Inorganic Chemistry	<b>Saturday</b> <b>20/04/2019</b>	64	<b>COMPUTER SCIENCE Paper-VI (201318)</b> Software Engineering
<b>Thursday</b> <b>04/04/2019</b>	53	<b>PHYSICS Paper-V (201303)</b> General Physics, Heat and Sound	<b>Monday</b> <b>22/04/2019</b>	65	<b>BIO-CHEMISTRY Paper-I (201331)</b> Biomolecules
				66	<b>PLANT PROTECTION Paper-I (201327)</b> Major Crops and Methods of Integrated Plant protection
<b>Friday</b> <b>05/04/2019</b>	54	<b>PHYSICS Paper-VI (201304)</b> Electronics	<b>Wednesday</b> <b>24/04/2019</b>	67	<b>BIO-CHEMISTRY Paper-II (201332)</b> Biochemical Techniques
				68	<b>PLANT PROTECTION Paper-II (201328)</b> Crop Diseases and their management
<b>Monday</b> <b>08/04/2019</b>	55	<b>STATISTICS Paper-V (201307)</b> Continuous Probability Distributions	<b>Thursday</b> <b>25/04/2019</b>	69	<b>METEOROLOGY Paper-I (201323)</b> Climatology
				70	<b>GEO-CHEMISTRY Paper-I (201325)</b> Introduction to Geochemistry
				71	<b>ZOOLOGY Paper-V (201319)</b> Animal Diversity – III
<b>Tuesday</b> <b>09/04/2019</b>	56	<b>STATISTICS Paper-VI (201308)</b> Discrete Probability Distributions and Statistical Methods	<b>Friday</b> <b>26/04/2019</b>	72	<b>METEOROLOGY Paper-II (201324)</b> General Meteorology
				73	<b>GEO-CHEMISTRY Paper-II (201326)</b> Introduction to Solar System and Geo-Sphers
				74	<b>ZOOLOGY Paper-VI (201320)</b> Cell Science, Genetics, Biological Chemistry and Economic Zoology
<b>Wednesday</b> <b>10/04/2019</b>	57	<b>MATHEMATICS Paper-V (201313)</b> Differential Calculus	<b>Saturday</b> <b>27/04/2019</b>	75	<b>BOTANY Paper-V (201301)</b> Anatomy and Taxonomy of Angiosperms
<b>Thursday</b> <b>11/04/2019</b>	58	<b>MATHEMATICS Paper-VI (201314)</b> Real Analysis	<b>Monday</b> <b>29/04/2019</b>	76	<b>BOTANY Paper-VI (201302)</b> Plant Ecology
<b>Friday</b> <b>12/04/2019</b>	59	<b>ELECTRONICS Paper-V (201315)</b> Electronic Circuits	<b>Tuesday</b> <b>30/04/2019</b>	77	<b>PSYCHOLOGY Paper-V (201329)</b> Experimental Psychology
	60	<b>GEOGRAPHY Paper-V (201321)</b> Biogeography - I		78	<b>GEOLOGY Paper-V (201309)</b> Optics and Mineralogy
				79	<b>MICROBIOLOGY Paper-V (201311)</b> Cytology and Physiology of Microorganisms

<b>Monday</b> <b>15/04/2019</b>	61	<b>ELECTRONICS Paper–VI (201316)</b> Pulse & Switching Circuits	<b>Thursday</b> <b>02/05/2019</b>	80	<b>PSYCHOLOGY Paper–VI (201330)</b> Social Psychology
	62	<b>GEOGRAPHY Paper–VI (201322)</b> Soil Science		81	<b>GEOLOGY Paper–VI (201310)</b> Structural Geology
				82	<b>MICROBIOLOGY Paper–VI (201312)</b> Bacterial Genetics

**B.Sc. Sem – IV (w.e.f. Nov 2017)****(CBCS Pattern-2016)**

Day & Date	Sr. No	Subject Time: 08:30.a.m. to 11:00 a.m.	Sr. No.	Subject Time: 03:30 p.m. to 06:00 p.m.
<b>Saturday 20/04/2019</b>	83	<b>CHEMISTRY Paper–VII (201407)</b> Physical Chemistry	95	<b>COMPUTER SCIENCE Paper- VII (201425)</b> Data Structures
<b>Monday 22/04/2019</b>	84	<b>CHEMISTRY Paper–VIII (201408)</b> Analytical & Industrial Inorganic Chemistry	96	<b>COMPUTER SCIENCE Paper–VIII (201426)</b> DBMS Using Oracle
<b>Wednesday 24/04/2019</b>	85	<b>PHYSICS Paper-VII (201404)</b> Optics	97	<b>BIO-CHEMISTRY Paper-III (201446)</b> Nutrition and Metabolism
			98	<b>PLANT PROTECTION Paper–III (201440)</b> Introduction to weeds & non insect Pests
<b>Thursday 25/04/2019</b>	86	<b>PHYSICS Paper-VIII (201405)</b> Modern Physics	99	<b>BIO-CHEMISTRY Paper-IV (201447)</b> Molecular Biochemistry & Diseases
			100	<b>PLANT PROTECTION Paper–IV (201441)</b> Insect pests and their Management
<b>Friday 26/04/2019</b>	87	<b>STATISTICS Paper–VII (201410)</b> Continuous Probability Distributions and Exact Sampling Distributions	101	<b>METEOROLOGY Paper–III (201434)</b> Applied Climatology
			102	<b>GEO-CHEMISTRY Paper-III (201437)</b> Principles of Geochemistry
			103	<b>ZOOLOGY Paper–VII (201428)</b> Animal Diversity – IV
<b>Saturday 27/04/2019</b>	88	<b>STATISTICS Paper–VIII (201411)</b> Applied Statistics	104	<b>METEOROLOGY Paper–IV (201435)</b> Meteorological Instruments
			105	<b>GEO-CHEMISTRY Paper-IV (201438)</b> Chemistry of the Earth
			106	<b>ZOOLOGY Paper–VIII (201429)</b> Histology & Physiology
<b>Monday 29/04/2019</b>	89	<b>MATHEMATICS Paper–VII (201419)</b> Differential Equations	107	<b>BOTANY Paper–VII (201401)</b> Plant Physiology and Cytogenetics
<b>Tuesday 30/04/2019</b>	90	<b>MATHEMATICS Paper–VIII (201420)</b> Abstract Algebra – I	108	<b>BOTANY Paper–VIII (201402)</b> Economic Botany
<b>Thursday 02/05/2019</b>	91	<b>GEOGRAPHY Paper–VII (201431)</b> Biogeography – II	109	<b>PSYCHOLOGY Paper–VII (201443)</b> Cognitive Psychology
	92	<b>ELECTRONICS Paper–VII (201422)</b> Fundamentals of Operational Amplifier	110	<b>GEOLOGY Paper–VII (201413)</b> Igneous Petrology
			111	<b>MICROBIOLOGY Paper–VII (201416)</b> Immunology & Medical Microbiology
<b>Friday 03/05/2019</b>	93	<b>GEOGRAPHY Paper–VIII (201432)</b> Agricultural Geography	112	<b>PSYCHOLOGY Paper–VIII (201444)</b> Positive Psychology
	94	<b>ELECTRONICS Paper–VIII (201423)</b> Digital Techniques and Microprocessor	113	<b>GEOLOGY Paper–VIII (201414)</b> Sedimentary & Metamorphic Petrology
			114	<b>MICROBIOLOGY Paper–VIII (201417)</b> Industrial Microbiology-II

<b>B.Sc. Sem - V (New w.e.f. June 2018)</b> <b>(CBCS Pattern-2016)</b>		
Day & Date	Sr. No.	Subject Time: 12:00 a.m. to 02:30 a.m.
<b>Tuesday</b> <b>19/03/2019</b>	115	<b>English (Compulsory)</b> Literary Quest (201501)
<b>Special Paper - IX</b>		
<b>Wednesday</b> <b>20/03/2019</b>	116	<b>Physics Paper- IX (201502)</b> Mathematical Physics & Statistical Physics
	117	<b>Chemistry Paper- IX (201506)</b> Physical Chemistry
	118	<b>Botany Paper- IX (201514)</b> Reproductive Biology of Angiosperms
	119	<b>Zoology Paper- IX (201518)</b> Non-chordates
	120	<b>Mathematics Paper- IX (201510)</b> Algebra-II
	121	<b>Statistics Paper- IX (201534)</b> Statistical Inference – I
	122	<b>Geology Paper- IX (201522)</b> Earth's Physics and Dynamics
	123	<b>Microbiology Paper- IX (201526)</b> Virology
	124	<b>Electronics Paper- IX (201530)</b> Linear Integrated Circuits and Applications
	125	<b>Computer Science Paper- IX (201538)</b> Visual Programming using C++
	<b>Special Paper – X</b>	
<b>Friday</b> <b>22/03/2019</b>	126	<b>Physics Paper-X (201503)</b> Solid State Physics
	127	<b>Chemistry Paper- X (201507)</b> Inorganic Chemistry
	128	<b>Botany Paper- X (201515)</b> Genetics
	129	<b>Zoology Paper- X (201519)</b> Developmental Biology
	130	<b>Mathematics Paper- X (201511)</b> Complex Analysis
	131	<b>Statistics Paper- X (201535)</b> Probability Distributions
	132	<b>Geology Paper- X (201523)</b> Geomorphology
	133	<b>Microbiology Paper- X (201527)</b> Agricultural Microbiology
	134	<b>Electronics Paper- X (201531)</b> Fundamentals of Microcontroller
	135	<b>Computer Science Paper- X (201539)</b> Core Java

<b>B.Sc. Sem - V (New w.e.f. June 2018)</b> <b>(CBCS Pattern-2016)</b>			<b>(Cont...)</b>
<b>Day &amp; Date</b>	<b>Sr. No.</b>	<b>Subject</b> <b>Time: 12:00 a.m. to 02:30 a.m.</b>	
		<b>Special Paper - XI</b>	
<b>Saturday</b> <b>23/03/2019</b>	136	<b>Physics Paper XI (201504)</b> Classical Mechanics	
	137	<b>Chemistry Paper XI (201508)</b> Organic Chemistry	
	138	<b>Botany Paper XI (201516)</b> Plant Physiology	
	139	<b>Zoology Paper XI (201520)</b> Comparative Anatomy of Chordates	
	140	<b>Mathematics Paper XI (201512)</b> Integral Calculus	
	141	<b>Statistics Paper XI (201536)</b> Sampling Techniques	
	142	<b>Geology Paper XI (201524)</b> Stratigraphy of India Part – I	
	143	<b>Microbiology Paper XI (201528)</b> Immunology	
	144	<b>Electronics Paper XI (201532)</b> Sensors and Transducers	
	145	<b>Computer Science Paper XI (201540)</b> Operating System	
		<b>Special Paper - XII</b>	
<b>Monday</b> <b>25/03/2019</b>	146	<b>Physics Paper XII</b> Nuclear Physics (201505) <b>OR</b>	
	147	Energy Studies (201542)	
	148	<b>Chemistry Paper XII</b> Analytical and Industrial Physical Chemistry (201509) <b>OR</b>	
	149	Methodology and Materials of Industrial Importance (201543)	
	150	<b>Botany Paper XII</b> Plant Breeding (201517) <b>OR</b>	
	151	Nursery and Gardening (201545)	
	152	<b>Zoology Paper XII</b> Biostatistics, Bioinformatics, Medical Zoology and Evolutionary Biology (201521) <b>OR</b>	
	153	Biodiversity & Conservation Biology (201546)	
	154	<b>Mathematics Paper XII</b> Partial Differential Equations (201513) <b>OR</b>	
	155	Mathematical Analysis (201544)	
156	<b>Statistics Paper XII</b> Operations Research (201537) <b>OR</b>		
157	Regression Analysis (201550)		



158	<b>Geology Paper XII</b> Applied Geology Part – I (201525) <b>OR</b>
159	Crystallography and Optical Mineralogy (201547)
160	<b>Microbiology Paper XII</b> Industrial Microbiology- I (201529) <b>OR</b>
161	Industrial Microbiology- II (201548)
162	<b>Electronics Paper XII</b> Biomedical Electronics (201533) <b>OR</b>
163	Electronics Communication (201549)
164	<b>Computer Science Paper XII</b> Python (201541) <b>OR</b>
165	Software Testing (201551)

<b>B.Sc. Sem - V (w.e.f. June 2016)</b> <b>(CGPA Pattern-2014) (Old up to Mar 2019)</b>		
Day & Date	Sr. No.	Subject <b>Time: 12:00 a.m. to 02:30 a.m.</b>
<b>Tuesday</b> <b>19/03/2019</b>	166	<b>English (Compulsory) (221501)</b> Breakthrough
		<b>Special Paper - VII</b>
<b>Wednesday</b> <b>20/03/2019</b>	167	<b>Physics Paper- VII (221510)</b> Mathematical Physics & Statistical Physics
	168	<b>Chemistry Paper- VII (221506)</b> Physical Chemistry
	169	<b>Botany Paper- VII (221502)</b> Biology of Cryptogams
	170	<b>Zoology Paper- VII (221518)</b> Non-chordates
	171	<b>Mathematics Paper- VII (221514)</b> Algebra-II
	172	<b>Statistics Paper- VII (221534)</b> Statistical Inference – I
	173	<b>Geology Paper- VII (221522)</b> Earth's Physics and Dynamics
	174	<b>Microbiology Paper- VII (221526)</b> Virology, Extremophiles and Bioinformatics
	175	<b>Electronics Paper- VII (221530)</b> Linear Integrated Circuits and Applications
	176	<b>Computer Science Paper- VII (221538)</b> Visual Programming
		<b>Special Paper – VIII</b>
<b>Friday</b> <b>22/03/2019</b>	177	<b>Physics Paper-VIII (221511)</b> Solid State Physics
	178	<b>Chemistry Paper- VIII (221507)</b> Inorganic Chemistry
	179	<b>Botany Paper- VIII (221503)</b> Gymnosperms and Palaeobotany
	180	<b>Zoology Paper- VIII (221519)</b> Biostatistics, Bioinformatics, Medical Zoology and Evolutionary Genetics
	181	<b>Mathematics Paper- VIII (221515)</b> Complex Analysis
	182	<b>Statistics Paper- VIII (221535)</b> Sampling Techniques
	183	<b>Geology Paper- VIII (221523)</b> Geomorphology
	184	<b>Microbiology Paper- VIII (221527)</b> Industrial Microbiology
	185	<b>Electronics Paper- VIII (221531)</b> Fundamentals of Communication
	186	<b>Computer Science Paper- VIII (221539)</b> Core Java

<b>B.Sc. Sem - V (w.e.f. June 2016)</b> <b>(CGPA Pattern-2014) (Old up to Mar 2019)</b>			<b>(Cont...)</b>
<b>Day &amp; Date</b>	<b>Sr. No.</b>	<b>Subject</b> <b>Time: 12:00 a.m. to 02:30 a.m.</b>	
		<b>Special Paper - IX</b>	
<b>Saturday</b> <b>23/03/2019</b>	187	<b>Physics Paper IX (221512)</b> Classical Mechanics	
	188	<b>Chemistry Paper IX (221508)</b> Organic Chemistry	
	189	<b>Botany Paper IX (221504)</b> Genetics	
	190	<b>Zoology Paper IX (221520)</b> Comparative Anatomy of Chordates	
	191	<b>Mathematics Paper IX (221516)</b> Integral Calculus	
	192	<b>Statistics Paper IX (221536)</b> Probability Distributions & Stochastic Process	
	193	<b>Geology Paper IX (221524)</b> Environmental Geology	
	194	<b>Microbiology Paper IX (221528)</b> Agricultural Microbiology	
	195	<b>Electronics Paper IX (221532)</b> Fundamentals of Microcontroller	
	196	<b>Computer Science Paper IX (221540)</b> Operating System -I	
		<b>Special Paper - X</b>	
<b>Monday</b> <b>25/03/2019</b>	197	<b>Physics Paper X (221513)</b> Nuclear Physics	
	198	<b>Chemistry Paper X (221509)</b> Analytical and Industrial Physical Chemistry	
	199	<b>Botany Paper X (221505)</b> Plant Biochemistry	
	200	<b>Zoology Paper X (221521)</b> Developmental Biology	
	201	<b>Mathematics Paper X (221517)</b> Partial Differential Equations	
	202	<b>Statistics Paper X (221537)</b> Operations Research and Applied Statistics	
	203	<b>Geology Paper X (221525)</b> Hydrogeology and Remote Sensing	
	204	<b>Microbiology Paper X (221529)</b> Immunology	
	205	<b>Electronics Paper X (221533)</b> Sensors and Instrumentation	
	206	<b>Computer Science Paper X (221541)</b> Data Communication and Networking - I	

<b>B.Sc. Sem - VI (New w.e.f. Nov. 2018)</b> <b>(CBCS Pattern-2016)</b>		
Day & Date	Sr. No.	Subject <b>Time: 08:30 a.m. to 11:00 a.m.</b>
<b>Wednesday</b> <b>27/03/2019</b>	207	<b>English (Compulsory) (201601)</b> Literary Quest
		<b>Special Paper-XIII</b>
<b>Thursday</b> <b>28/03/2019</b>	208	<b>Physics Paper-XIII (201602)</b> Electrodynamics
	209	<b>Chemistry Paper-XIII (201607)</b> Physical Chemistry
	210	<b>Botany Paper- XIII (201617)</b> Molecular Biology
	211	<b>Zoology Paper- XIII (201622)</b> Physiology
	212	<b>Mathematics Paper- XIII (201612)</b> Metric Spaces
	213	<b>Statistics Paper- XIII (201642)</b> Statistical Inference – II
	214	<b>Geology Paper- XIII (201627)</b> Economic Geology and Prospecting
	215	<b>Microbiology Paper- XIII (201632)</b> Microbial Genetics
	216	<b>Electronics Paper- XIII (201637)</b> Power Electronics
	217	<b>Computer Science Paper- XIII (201647)</b> Web Technology
		<b>Special Paper -XIV</b>
<b>Friday</b> <b>29/03/2019</b>	218	<b>Physics Paper-XIV (201603)</b> Materials Science
	219	<b>Chemistry Paper- XIV (201608)</b> Inorganic Chemistry
	220	<b>Botany Paper- XIV (201618)</b> Plant Biotechnology
	221	<b>Zoology Paper- XIV (201623)</b> Economic Zoology
	222	<b>Mathematics Paper- XIV (201613)</b> Numerical Analysis
	223	<b>Statistics Paper- XIV (201643)</b> Probability Theory
	224	<b>Geology Paper- XIV (201628)</b> Environmental Geology
	225	<b>Microbiology Paper- XIV (201633)</b> Microbial Biochemistry
	226	<b>Electronics Paper- XIV (201638)</b> Embedded System Design
	227	<b>Computer Science Paper- XIV (201648)</b> Advanced Java

<b>B.Sc. Sem - VI (New w.e.f. Nov. 2018)</b> <b>(CBCS Pattern-2016)</b>		
Day & Date	Sr. No	Subject Time: 08:30 a.m. to 11:00 a.m.
		<b>Special Paper XV</b>
<b>Saturday</b> <b>30/03/2019</b>	228	<b>Physics Paper-XV (201604)</b> Atomic, Molecular Physics and Quantum Mechanics
	229	<b>Chemistry Paper- XV (201609)</b> Organic Chemistry
	230	<b>Botany Paper- XV (201619)</b> Plant Metabolism
	231	<b>Zoology Paper- XV (201624)</b> Molecular Biology and Biotechnology
	232	<b>Mathematics Paper- XV (201614)</b> Integral Transform
	233	<b>Statistics Paper- XV (201644)</b> Designs of Experiments
	234	<b>Geology Paper- XV (201629)</b> Stratigraphy of India Part – II
	235	<b>Microbiology Paper- XV (201634)</b> Environmental Microbiology
	236	<b>Electronics Paper- XV (201639)</b> Electronics Instrumentation
	237	<b>Computer Science Paper- XV (201649)</b> Data Communication and Networking – II
		<b>Special Paper XVI</b>
<b>Monday</b> <b>01/04/2019</b>	238	<b>Physics Paper-XVI</b> Electronics (201605)
	239	<b>OR</b> Instrumentation (201652)
	240	<b>Chemistry Paper- XVI</b> Analytical and Industrial Organic Chemistry (201610)
	241	<b>OR</b> Applied Organic Chemistry (201653)
	242	<b>Botany Paper- XVI</b> Biostatistics (201620)
	243	<b>OR</b> Horticultural practices and post harvest technology (201655)
	244	<b>Zoology Paper- XVI</b> Endocrinology, Environmental Biology and Toxicology (201625)
	245	<b>OR</b> Techniques in Biology (201656)
	246	<b>Mathematics Paper- XVI</b> Programming in C (201615)
	247	<b>OR</b> Graph Theory and Combinatorics

248	<b>Statistics Paper- XVI</b> Quality Management and Reliability (201645)
	<b>OR</b>
249	Time Series Analysis (201660)
250	<b>Geology Paper- XVI</b> Applied Geology Part – II (201630)
	<b>OR</b>
251	Geochemistry (201657)
252	<b>Microbiology Paper- XVI</b> Clinical Microbiology-I (201635)
	<b>OR</b>
253	Clinical Microbiology-II (201658)
254	<b>Electronics Paper- XVI</b> Modern Communication Systems (201640)
	<b>OR</b>
255	Virtual Instrumentation (201659)
256	<b>Computer Science Paper- XVI</b> AngularJS (201650)
	<b>OR</b>
257	Linux Operating System (201661)

<b>B.Sc. Sem - VI (w.e.f. Nov 2016)</b> <b>(CGPA Pattern-2014) (Old up to Oct 2019)</b>		
Day & Date	Sr. No.	Subject Time: 08:30 a.m. to 11:00 a.m.
<b>Wednesday</b> <b>27/03/2019</b>	258	<b>English (Compulsory) (221601)</b> Breakthrough
		<b>Special Paper-XI</b>
<b>Thursday</b> <b>28/03/2019</b>	259	<b>Physics Paper-XI (221612)</b> Electrodynamics
	260	<b>Chemistry Paper-XI (221607)</b> Physical Chemistry
	261	<b>Botany Paper-XI (221602)</b> Microbiology and Plant Pathology
	262	<b>Zoology Paper-XI (221622)</b> Physiology
	263	<b>Mathematics Paper-XI (221617)</b> Metric Spaces
	264	<b>Statistics Paper-XI (221642)</b> Statistical Inference – II
	265	<b>Geology Paper-XI (221627)</b> Crystallography, Principles of Stratigraphy and Earth's History
	266	<b>Microbiology Paper-XI (221632)</b> Microbial Genetics
	267	<b>Electronics Paper-XI (221637)</b> Power Electronics
	268	<b>Computer Science Paper-XI (221647)</b> Web Technology
		<b>Special Paper -XII</b>
<b>Friday</b> <b>29/03/2019</b>	269	<b>Physics Paper-XII (221613)</b> Materials Science
	270	<b>Chemistry Paper- XII (221608)</b> Inorganic Chemistry
	271	<b>Botany Paper- XII (221603)</b> Systematics of Angiosperms
	272	<b>Zoology Paper- XII (221623)</b> Endocrinology, Environmental Biology and Toxicology
	273	<b>Mathematics Paper- XII (221618)</b> Numerical Analysis
	274	<b>Statistics Paper- XII (221643)</b> Designs of Experiment
	275	<b>Geology Paper- XII (221628)</b> Pre-Cambrian Stratigraphy of India
	276	<b>Microbiology Paper- XII (221633)</b> Microbial Biochemistry
	277	<b>Electronics Paper- XII (221638)</b> Advanced Communication
	278	<b>Computer Science Paper- XII (221648)</b> Advanced Java

<b>B.Sc. Sem - VI (w.e.f. Nov 2016)</b> <b>(CGPA Pattern-2014) (Old up to Oct 2019)</b>		
Day & Date	Sr. No	Subject <b>Time: 08:30 a.m. to 11:00 a.m.</b>
		<b>Special Paper XIII</b>
<b>Saturday</b> <b>30/03/2019</b>	279	<b>Physics Paper-XIII (221614)</b> Atomic, Molecular Physics and Quantum Mechanics
	280	<b>Chemistry Paper- XIII (221609)</b> Organic Chemistry
	281	<b>Botany Paper- XIII (221604)</b> Microbial Genetics, Plant Breeding and Biostatistics
	282	<b>Zoology Paper- XIII (221624)</b> Molecular Biology and Biotechnology
	283	<b>Mathematics Paper- XIII (221619)</b> Integral Transform
	284	<b>Statistics Paper- XIII (221644)</b> Limit Theorems, Reliability and Queuing Theory
	285	<b>Geology Paper- XIII (221629)</b> Phanerozoic Stratigraphy of India
	286	<b>Microbiology Paper- XIII (221634)</b> Environmental Microbiology
	287	<b>Electronics Paper- XIII (221639)</b> Embedded System Design
	288	<b>Computer Science Paper- XIII (221649)</b> Operating System –II
		<b>Special Paper XIV</b>
<b>Monday</b> <b>01/04/2019</b>	289	<b>Physics Paper-XIV (221615)</b> Electronics & Instrumentation
	290	<b>Chemistry Paper- XIV (221610)</b> Analytical and Industrial Organic Chemistry
	291	<b>Botany Paper- XIV (221605)</b> Molecular Biology and Biotechnology
	292	<b>Zoology Paper- XIV (221625)</b> Biotechniques and Applied Zoology
	293	<b>Mathematics Paper- XIV (221620)</b> Programming in C
	294	<b>Statistics Paper- XIV (221645)</b> C – Programming
	295	<b>Geology Paper- XIV (221630)</b> Economic Geology
	296	<b>Microbiology Paper- XIV (221635)</b> Medical Microbiology
	297	<b>Electronics Paper- XIV (221640)</b> Measurement Instrumentation and Control System
	298	<b>Computer Science Paper- XIV (221650)</b> Data Communication and Networking - II



B.Sc Sem-IV (w.e.f. Nov 2017)			
Day & Date	Sr. No.	SUBJECT Time: 10:00 a.m. to 12:30 p.m.	Candidates note that Environmental Studies Examination will be conducted in their Parent (home) College
Sunday 21/04/2019	32	Environmental Studies (2015)	

**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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Date : 28/02/2019

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