



NAAC Accredited-2015  
'B' Grade (CGPA 2.62)

# PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

## FINAL PROGRAM OF B.Sc. SEMESTER – I TO VI EXAMINATION TO BE HELD IN MAR/APR 2020

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 Chandeale 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		SDM	Sant Damaji Mahavidyalaya
17	KURDUWADI	KNB	K.N.Bhise College
18	ANGAR	BPCAS	Baburao Patil College
19	WADALA	MMW	Mauli Mahavidyalaya
20	MANDRUP	SBPC	Santosh Bhimrao Patil College
21	MOHOL	DSG	D.S. Garad Mahavidyalaya

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

**B.Sc. Sem – I (New w.e.f. June 2019)**  
(CBCS Pattern-2019)

Day & Date	Sr. No	Subject Time: 08:30 a.m. to 10:30 a.m.	Sr. No.	Subject Time: 12:00 p.m. to 02:00 p.m.
Tuesday 17/03/2020	--	----	1	(w.e.f. June 2019) English (Comp.) Golden Petal (19201101)
Wednesday 18/03/2020	2	CHEMISTRY Paper-I Physical Chemistry (19201106)	3	COMPUTER SCIENCE Paper-I Fundamental of Computer (19201120)
Thursday 19/03/2020	4	CHEMISTRY Paper-II (19201107) Inorganic Chemistry	5	COMPUTER SCIENCE Paper-II Programing Using C-I (19201121)
Friday 20/03/2020	6	PHYSICS Paper-I DSC 1A Mechanics and properties of matter. (19201104)	7	MICROBIOLOGY Paper-I Fundamentals of Microbiology (19201114)
Saturday 21/03/2020	8	PHYSICS Paper-II DSC 1A: Optics and Laser (19201105)	9	MICROBIOLOGY Paper-II (19201115) Basic Techniques in Microbiology
Monday 23/03/2020	10	STATISTICS Paper-I Descriptive Statistics-I (19201108)	11	ZOOLOGY Paper-I Animal Diversity I (19201122)
Tuesday 24/03/2020	12	STATISTICS Paper-II Probability and Probability Distributions-I (19201109)	13	ZOOLOGY Paper-II Animal diversity-II (19201123)
Thursday 26/03/2020	14	MATHEMATICS Paper-I Algebra (19201116)	15	BOTANY Paper-I (19201102) Microbiology and Psychology
Friday 27/03/2020	16	MATHEMATICS Paper-II Calculus (19201117)	17	BOTANY Paper-II (19201103) Fungi and Archegoniate
Saturday 28/03/2020	18	ELECTRONICS Paper-I Basic Circuit Theory and Network Analysis (19201118)	19	PSYCHOLOGY Paper-I General Psychology I (19201112)
	20	GEOGRAPHY Paper – I Geomorphology- I (19201124)	21	GEOLOGY Paper-I (19201110) PHYSICAL GEOLOGY
Monday 30/03/2020	22	ELECTRONICS Paper-II Digital Fundamentals (19201119)	23	PSYCHOLOGY Paper-II (19201113) Developmental Psychology
	24	GEOGRAPHY Paper – II Geomorphology-II (19201125)	25	GEOLOGY Paper-II (19201111) STRUCTURAL GEOLOGY

**B.Sc. Sem – I (w.e.f. June 2016)**  
**(CBCS Pattern-2016) (Old Up to March 2020)**

<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: 12:00 p.m. to 02:30 p.m.</b>
<b>Tuesday</b> <b>17/03/2020</b>	--	-----	26	<b>(w.e.f. June 2017)</b> English (Comp.) (17201101) Golden Petal
<b>Wednesday</b> <b>18/03/2020</b>	27	CHEMISTRY Paper-I (201106) Physical Chemistry	28	<b>COMPUTER SCIENCE Paper-I (201120)</b> Fundamental of Computer
<b>Thursday</b> <b>19/03/2020</b>	29	CHEMISTRY Paper-II (201107) Inorganic Chemistry	30	<b>COMPUTER SCIENCE Paper-II</b> Programming Using - C <b>(201121)</b>
<b>Friday</b> <b>20/03/2020</b>	31	<b>PHYSICS Paper-I (201104)</b> Mechanics and properties of matter	32	<b>MICROBIOLOGY Paper-I (201114)</b> Introduction to Microbiology and Microbial Diversity
<b>Saturday</b> <b>21/03/2020</b>	33	<b>PHYSICS Paper-II (201105)</b> <b>Optics and Laser</b>	34	<b>MICROBIOLOGY Paper-II (201115)</b> Microbial Techniques
<b>Monday</b> <b>23/03/2020</b>	35	<b>STATISTICS Paper-I (201108)</b> Descriptive Statistics-I	36	<b>ZOOLOGY Paper-I (201122)</b> Animal Diversity I
<b>Tuesday</b> <b>24/03/2020</b>	37	STATISTICS Paper-II (201109) <b>Probability and Probability</b> <b>Distributions-I</b>	38	<b>ZOOLOGY Paper-II(201123)</b> Cell Biology and Genetics
<b>Thursday</b> <b>26/03/2020</b>	39	<b>MATHEMATICS Paper-I (201116)</b> Algebra	40	BOTANY Paper-I (201102) Microbiology and Phycology
<b>Friday</b> <b>27/03/2020</b>	41	<b>MATHEMATICS Paper-II (201117)</b> Calculus	42	BOTANY Paper-II (201103) Biomolecules and Cell Biology
<b>Saturday</b> <b>28/03/2020</b>	43	<b>ELECTRONICS Paper-I (201118)</b> Basic Circuit Theory and Network Analysis	44	<b>PSYCHOLOGY Paper-I (201112)</b> General Psychology
	45	<b>PHYSICAL GEOGRAPHY Paper – I</b> <b>Geomorphology (201124)</b>	46	<b>GEOLOGY Paper-I (201110)</b> Mineralogy and Paleontology
<b>Monday</b> <b>30/03/2020</b>	47	<b>ELECTRONICS Paper-II (201119)</b> Digital Fundamentals	48	<b>PSYCHOLOGY Paper-II (201113)</b> Human Development
	49	<b>PHYSICAL GEOGRAPHY Paper – II</b> <b>Geomorphology (201125)</b>	50	<b>GEOLOGY Paper-II (201111)</b> Igneous, Sedimentary and Metamorphic Petrology

**B.Sc. Sem – II (New w.e.f. June 2019)**  
**(CBCS Pattern-2019)**

<b>Day &amp; Date</b>	<b>Sr. No</b>	<b>Subject</b> <b>Time: 12:00 p.m. to 02:00 p.m.</b>	<b>Sr. No.</b>	<b>Subject</b> <b>Time: 03:30 p.m. to 05:30 p.m.</b>
<b>Thursday</b> <b>16/04/2020</b>	---	----	51	<b>English (Comp.)</b> Golden Peta
<b>Friday</b> <b>17/04/2020</b>	52	<b>CHEMISTRY Paper–III</b> Organic Chemistry	53	<b>COMPUTER SCIENCE Paper-III</b> Introduction to Web Designing
<b>Saturday</b> <b>18/04/2020</b>	54	<b>CHEMISTRY Paper–IV</b> Analytical Chemistry	55	<b>COMPUTER SCIENCE Paper–IV</b> Programming Using C - II
<b>Monday</b> <b>20/04/2020</b>	56	<b>PHYSICS Paper-III</b> Heat and Thermodynamics	57	<b>MICROBIOLOGY Paper–III</b> Microbial Physiology
<b>Tuesday</b> <b>21/04/2020</b>	58	<b>PHYSICS Paper-IV</b> Electricity, Magnetism and Basic Electronics	59	<b>MICROBIOLOGY Paper–IV</b> Applied Microbiology
<b>Wednesday</b> <b>22/04/2020</b>	60	<b>STATISTICS Paper–III</b> Descriptive Statistics-II	61	<b>ZOOLOGY Paper–III</b> Comparative Anatomy of vertebrates
<b>Thursday</b> <b>23/04/2020</b>	62	<b>STATISTICS Paper–IV</b> Probability and Probability Distributions-II	63	<b>ZOOLOGY Paper–IV</b> Developmental Biology of vertebrates
<b>Friday</b> <b>24/04/2020</b>	64	<b>MATHEMATICS Paper–III</b> Geometry	65	<b>BOTANY Paper–III</b> Plant Ecology
<b>Saturday</b> <b>25/04/2020</b>	66	<b>MATHEMATICS Paper-IV</b> Differential Equations	67	<b>BOTANY Paper–IV</b> Taxonomy of Angiosperms
<b>Monday</b> <b>27/04/2020</b>	68	<b>ELECTRONICS Paper–III</b> Semiconductor Devices	69	<b>PSYCHOLOGY Paper–III</b> Fundamental Psychology
	70	<b>PHYSICAL GEOGRAPHY Paper – III</b> Human Geography I	71	<b>GEOLOGY Paper–III</b> CRYSTALLOGRAPHY
<b>Tuesday</b> <b>28/04/2020</b>	72	<b>ELECTRONICS Paper–IV</b> Digital Electronics	73	<b>PSYCHOLOGY Paper–IV</b> Developmental Psychology
	74	<b>PHYSICAL GEOGRAPHY Paper – IV</b> Human Geography II	75	<b>GEOLOGY Paper–IV</b> MINERALOGY

<b>B.Sc. Sem – II (w.e.f. Nov 2016)</b> <b>(CBCS Pattern-2016) (Old Up to Oct 2020)</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>Thursday</b> <b>16/04/2020</b>	---	----	76	<b>(w.e.f. Nov 2017)</b> <b>English (Comp.) (17201201)</b> Golden Petal
<b>Friday</b> <b>17/04/2020</b>	77	CHEMISTRY Paper–III (201206) Organic Chemistry	78	<b>COMPUTER SCIENCE Paper-III (201220)</b> Introduction to Web Designing
<b>Saturday</b> <b>18/04/2020</b>	79	CHEMISTRY Paper–IV (201207) Analytical Chemistry	80	<b>COMPUTER SCIENCE Paper–IV (201221)</b> Introduction to Programming Using C - II
<b>Monday</b> <b>20/04/2020</b>	81	<b>PHYSICS Paper-III (201204)</b> Heat and Thermodynamics	82	<b>MICROBIOLOGY Paper–III(201214)</b> Microbial Biochemistry and Physiology
<b>Tuesday</b> <b>21/04/2020</b>	83	<b>PHYSICS Paper-IV (201205)</b> Electricity, Magnetism and Basic Electronics	84	<b>MICROBIOLOGY Paper–IV (201215)</b> Applied Microbiology
<b>Wednesday</b> <b>22/04/2020</b>	85	<b>STATISTICS Paper–III (201208)</b> Descriptive Statistics-II	86	<b>ZOOLOGY Paper–III (201222)</b> Animal Diversity – II
<b>Thursday</b> <b>23/04/2020</b>	87	STATISTICS Paper–IV (201209) Probability and Probability Distributions-II	88	<b>ZOOLOGY Paper–IV(201223)</b> Ecology, Ethology, Evolution and Applied Zoology
<b>Friday</b> <b>24/04/2020</b>	89	<b>MATHEMATICS Paper–III (201216)</b> Geometry	90	BOTANY Paper–III (201202) Mycology and Phytopathology
<b>Saturday</b> <b>25/04/2020</b>	91	<b>MATHEMATICS Paper-IV (201217)</b> Differential Equations	92	BOTANY Paper–IV (201203) Archegoniate Bryophytes, Pteridophytes, Gymnosperm
<b>Monday</b> <b>27/04/2020</b>	93	<b>ELECTRONICS Paper–III (201218)</b> Semiconductor Devices	94	<b>PSYCHOLOGY Paper–III (201212)</b> General Psychology
	95	<b>PHYSICAL GEOGRAPHY Paper – III</b> <b>Climatology (201224)</b>	96	<b>GEOLOGY Paper–III (201210)</b> Introduction to General Geology
<b>Tuesday</b> <b>28/04/2020</b>	97	<b>ELECTRONICS Paper–IV (201219)</b> Digital Electronics	98	<b>PSYCHOLOGY Paper–IV (201213)</b> Human Development
	99	<b>PHYSICAL GEOGRAPHY Paper – IV</b> <b>Oceanography (201225)</b>	100	GEOLOGY Paper–IV(201211) Introduction to Physical Geology

<b>B.Sc. Sem-II New (First Year)</b> <b>(w.e.f. June 2019)</b>			
<b>Day &amp; Date</b>	<b>Sr. No.</b>	<b>SUBJECT</b> <b>Time: 08:30 am to 09:30 am</b>	Candidates note that Democracy, Elections and Good Governance Examination will be conducted in their Parent (home) College
<b>Sunday</b> <b>12/04/2020</b>	423	<b>Democracy, Elections and Good Governance</b>	

<b>B.Sc. Sem-II (First Year) (w.e.f. Nov 2017)</b> <b>(Old Up to Oct 2020)</b>			
<b>Day &amp; Date</b>	<b>Sr. No.</b>	<b>SUBJECT</b> <b>Time: 08:30 am to 09:30 am</b>	Candidates note that Democracy, Elections and Good Governance Examination will be conducted in their Parent (home) College
<b>Sunday</b> <b>12/04/2020</b>	424	<b>Democracy, Elections and Good Governance</b>	

**B.Sc. Sem - III (w.e.f. June 2017)**

**(CBCS Pattern-2016)**

<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>Day &amp; Date</b>	<b>Sr. No</b>	<b>Subject</b> <b>Time: 12:00 p.m. to 02:30 p.m..</b>
Tuesday 31/03/2020	101	CHEMISTRY Paper-V (201305) Organic Chemistry	Tuesday 31/03/2020	102	COMPUTER SCIENCE Paper-V (201317) Object Oriented Programming using C++
Wednesday 01/04/2020	103	CHEMISTRY Paper-VI (201306) Inorganic Chemistry	Wednesday 01/04/2020	104	COMPUTER SCIENCE Paper-VI (201318) Software Engineering
Friday 03/04/2020	105	PHYSICS Paper-V (201303) General Physics, Heat and Sound	Friday 03/04/2020	106	BIO-CHEMISTRY Paper-I (201331) Biomolecules
				107	PLANT PROTECTION Paper-I (201327) Major Crops and Methods of Integrated Plant protection
Saturday 04/04/2020	108	PHYSICS Paper-VI (201304) Electronics	Saturday 04/04/2020	109	BIO-CHEMISTRY Paper-II (201332) Biochemical Techniques
				110	PLANT PROTECTION Paper-II (201328) Crop Diseases and their management
Tuesday 07/04/2020	111	STATISTICS Paper-V (201307) Continuous Probability Distributions	Tuesday 07/04/2020	112	METEOROLOGY Paper-I (201323) Climatology
				113	GEO-CHEMISTRY Paper-I (201325) Introduction to Geochemistry
				114	ZOOLOGY Paper-V (201319) Animal Diversity – III
Wednesday 08/04/2020	116	STATISTICS Paper-VI (201308) Discrete Probability Distributions and Statistical Methods	Wednesday 08/04/2020	115	METEOROLOGY Paper-II (201324) General Meteorology
				116	GEO-CHEMISTRY Paper-II (201326) Introduction to Solar System and Geo-Sphers
				117	ZOOLOGY Paper-VI(201320) Cell Science, Genetics, Biological Chemistry and Economic Zoology
Thursday 09/04/2020	118	MATHEMATICS Paper-V (201313) Differential Calculus	Thursday 09/04/2020	119	BOTANY Paper-V (201301) Anatomy and Taxonomy of Angiosperms
Saturday 11/04/2020	120	MATHEMATICS Paper-VI (201314) Real Analysis	Saturday 11/04/2020	121	BOTANY Paper-VI (201302) Plant Ecology
Monday 13/04/2020	122	ELECTRONICS Paper-V (201315) Electronic Circuits	Monday 13/04/2020	123	PSYCHOLOGY Paper-V (201329) Experimental Psychology
	124	GEOGRAPHY Paper-V (201321) Biogeography - I		125	GEOLOGY Paper-V (201309) Optics and Mineralogy
				126	MICROBIOLOGY Paper-V (201311) Cytology and Physiology of Microorganisms
Wednesday 15/04/2020	127	ELECTRONICS Paper-VI (201316) Pulse & Switching Circuits	Wednesday 15/04/2020	128	PSYCHOLOGY Paper-VI (201330) Social Psychology
	129	GEOGRAPHY Paper-VI (201322) Soil Science		130	GEOLOGY Paper-VI (201310) Structural Geology
				131	MICROBIOLOGY Paper-VI (201312) Bacterial Genetics

<b>B.Sc. Sem – IV (w.e.f. Nov 2017)</b> <b>(CBCS Pattern-2016)</b>					
Day & Date	Sr. No	Subject Time: 03:30 a.m. to 06:00 p.m.	Day & Date	Sr. No.	Subject Time: 03:30 a.m. to 06:00 p.m.
Tuesday 17/03/2020	132	CHEMISTRY Paper–VII(201407) Physical Chemistry	Monday 30/03/2020	133	COMPUTER SCIENCE Paper- VII (201425) Data Structures
Wednesday 18/03/2020	134	CHEMISTRY Paper–VIII(201408) Analytical & Industrial Inorganic Chemistry	Tuesday 31/03/2020	135	COMPUTER SCIENCE Paper– VIII (201426) DBMS Using Oracle
Thursday 19/03/2020	136	PHYSICS Paper-VII (201404) Optics	Wednesday 01/04/2020	137	BIO-CHEMISTRY Paper-III (201446) Nutrition and Metabolism
Friday 20/03/2020	139	PHYSICS Paper-VIII (201405) Modern Physics	Friday 03/04/2020	138	PLANT PROTECTION Paper–III (201440) Introduction to weeds & on insect Pests
				140	BIO-CHEMISTRY Paper-IV(201447) Molecular Biochemistry & Diseases
Saturday 21/03/2020	142	STATISTICS Paper–VII (201410) Continuous Probability Distributions and Exact Sampling Distributions	Saturday 04/04/2020	141	PLANT PROTECTION Paper–IV (201441) Insect pests and their Management
				143	METEOROLOGY Paper–III (201434) Applied Climatology
Monday 23/03/2020	146	STATISTICS Paper–VIII(201411) Applied Statistics	Tuesday 07/04/2020	144	GEO-CHEMISTRY Paper-III (201437) Principles of Geochemistry
				145	ZOOLOGY Paper–VII (201428) Animal Diversity – IV
Tuesday 24/03/2020	150	MATHEMATICS Paper–VII(201419) Differential Equations	Wednesday 08/04/2020	147	METEOROLOGY Paper–IV (201435) Meteorological Instruments
				148	GEO-CHEMISTRY Paper-IV (201438) Chemistry of the Earth
Thursday 26/03/2020	152	MATHEMATICS Paper–VIII(201420) Abstract Algebra – I	Thursday 09/04/2020	149	ZOOLOGY Paper–VIII(201429) Histology & Physiology
Friday 27/03/2020	154	GEOGRAPHY Paper–VII (201431) Biogeography – II	Saturday 11/04/2020	151	BOTANY Paper–VII (201401) Plant Physiology and Cytogenetics
	156	ELECTRONICS Paper–VII (201422) Fundamentals of Operational Amplifier		153	BOTANY Paper–VIII (201402) Economic Botany
Saturday 28/03/2020	159	GEOGRAPHY Paper–VIII (201432) Agricultural Geography	Monday 13/04/2020	155	PSYCHOLOGY Paper–VII(201443) Cognitive Psychology
	161	ELECTRONICS Paper–VIII (201423) Digital Techniques and Microprocessor		157	GEOLOGY Paper–VII(201413) Igneous Petrology
				158	MICROBIOLOGY Paper–VII(201416) Immunology & Medical Microbiology
				160	PSYCHOLOGY Paper–VIII(201444) Positive Psychology
				162	GEOLOGY Paper–VIII (201414) Sedimentary & Metamorphic Petrology
				163	MICROBIOLOGY Paper–VIII(201417) Industrial Microbiology-II

<b>B.Sc. Sem-IV (w.e.f. Nov 2017)</b>			
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 College
Sunday 12/04/2020	425	Environmental Studies (2015)	

**B.Sc. Sem - V (w.e.f. June 2018)**  
**(CBCS Pattern-2016)**

<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>Tuesday</b> <b>17/03/2020</b>	164	<b>English (Compulsory)</b> Literary Quest (201501)
		<b>Special Paper - IX</b>
<b>Wednesday</b> <b>18/03/2020</b>	165	<b>Physics Paper- IX (201502)</b> Mathematical Physics & Statistical Physics
	166	<b>Chemistry Paper- IX (201506)</b> Physical Chemistry
	167	<b>Botany Paper- IX (201514)</b> Reproductive Biology of Angiosperms
	168	<b>Zoology Paper- IX (201518)</b> Non-chordates
	169	<b>Mathematics Paper- IX (201510)</b> Algebra-II
	170	<b>Statistics Paper- IX (201534)</b> Statistical Inference– I
	171	<b>Geology Paper- IX (201522)</b> Earth's Physics and Dynamics
	172	<b>Microbiology Paper- IX (201526)</b> Virology
	173	<b>Electronics Paper- IX (201530)</b> Linear Integrated Circuits and Applications
	174	<b>Computer Science Paper- IX (201538)</b> Visual Programming using C++
<b>Thursday</b> <b>19/03/2020</b>	175	<b>Physics Paper-X (201503)</b> Solid State Physics
	176	<b>Chemistry Paper- X (201507)</b> Inorganic Chemistry
	177	<b>Botany Paper- X (201515)</b> Genetics
	178	<b>Zoology Paper- X (201519)</b> Developmental Biology
	179	<b>Mathematics Paper- X (201511)</b> Complex Analysis
	180	<b>Statistics Paper- X (201535)</b> Probability Distributions
	181	<b>Geology Paper- X (201523)</b> Geomorphology
	182	<b>Microbiology Paper- X (201527)</b> Agricultural Microbiology
	183	<b>Electronics Paper- X (201531)</b> Fundamentals of Microcontroller
	184	<b>Computer Science Paper- X (201539)</b> Core Java



<b>B.Sc. Sem - V (w.e.f. June 2018) (Cont...)</b> <b>(CBCS Pattern-2016)</b>		
Day & Date	Sr. No.	Subject Time: 12:00 p.m. to 02:30 p.m.
		<b>Special Paper - XI</b>
<b>Friday 20/03/2020</b>	185	<b>Physics Paper XI (201504)</b> Classical Mechanics
	186	<b>Chemistry Paper XI (201508)</b> Organic Chemistry
	187	<b>Botany Paper XI (201516)</b> Plant Physiology
	188	<b>Zoology Paper XI (201520)</b> Comparative Anatomy of Chordates
	189	<b>Mathematics Paper XI (201512)</b> Integral Calculus
	190	<b>Statistics Paper XI (201536)</b> Sampling Techniques
	191	<b>Geology Paper XI (201524)</b> Stratigraphy of India Part – I
	192	<b>Microbiology Paper XI (201528)</b> Immunology
	193	<b>Electronics Paper XI (201532)</b> Sensors and Transducers
	194	<b>Computer Science Paper XI (201540)</b> Operating System
		<b>Special Paper - XII</b>
<b>Saturday 21/03/2020</b>	195	<b>Physics Paper XII</b> Nuclear Physics (201505)
		OR
	196	Energy Studies (201542)
	197	<b>Chemistry Paper XII</b> Analytical and Industrial Physical Chemistry (201509)
		OR
	198	Methodology and Materials of Industrial Importance(201543)
199	<b>Botany Paper XII</b> Plant Breeding (201517)	
	OR	
200	Nursery and Gardening(201545)	

		<b>Zoology Paper XII</b>
201		Biostatistics, Bioinformatics, Medical Zoology and Evolutionary Biology(201521)
		OR
202		Biodiversity & Conservation Biology(201546)
		<b>Mathematics Paper XII</b>
203		Partial Differential Equations(201513)
		OR
204		Mathematical Analysis(201544)
		<b>Statistics Paper XII</b>
205		Operations Research(201537)
		OR
206		Regression Analysis(201550)
		<b>Geology Paper XII</b>
207		Applied Geology Part – I(201525)
		OR
208		Crystallography and Optical Mineralogy(201547)
		<b>Microbiology Paper XII</b>
209		Industrial Microbiology- I(201529)
		OR
210		Industrial Microbiology- II(201548)
		<b>Electronics Paper XII</b>
211		Biomedical Electronics (201533)
		OR
212		Electronics Communication(201549)
		<b>Computer Science Paper XII</b>
213		Python (201541)
		OR
214		Software Testing (201551)

<b><u>B.Sc. Sem – VI (w.e.f. Nov. 2018)</u></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>Monday</b> <b>23/03/2020</b>	215	English (Compulsory) (201601) <b>Literary Quest</b>
		<b>Special Paper-XIII</b>
<b>Tuesday</b> <b>24/03/2020</b>	215	<b>Physics Paper-XIII</b> Electrodynamics
	217	<b>Chemistry Paper-XIII (201607)</b> Physical Chemistry
	218	<b>Botany Paper- XIII (201617)</b> Molecular Biology
	219	<b>Zoology Paper- XIII (201622)</b> Physiology
	220	<b>Mathematics Paper- XIII (201612)</b> Metric Spaces
	221	<b>Statistics Paper- XIII (201642)</b> Statistical Inference–II
	222	<b>Geology Paper- XIII (201627)</b> Economic Geology and Prospecting
	223	<b>Microbiology Paper- XIII (201632)</b> Microbial Genetics
	224	<b>Electronics Paper- XIII (201637)</b> Power Electronics
	225	<b>Computer Science Paper- XIII (201647)</b> Web Technology
		<b>Special Paper -XIV</b>
<b>Thursday</b> <b>26/03/2020</b>	226	Physics Paper-XIV Materials Science (201603)
	227	Chemistry Paper- XIV Inorganic Chemistry (201608)
	228	Botany Paper- XIV <b>Plant Biotechnology (201618)</b>
	229	Zoology Paper- XIV Economic Zoology (201623)
	230	Mathematics Paper- XIV Numerical Analysis (201613)
	231	Statistics Paper- XIV Probability Theory (201643)
	232	Geology Paper- XIV Environmental Geology (201628)
	233	Microbiology Paper- XIV Microbial Biochemistry (201633)
	234	Electronics Paper- XIV <b>Embedded System Design (201638)</b>
	235	Computer Science Paper- XIV <b>Advanced Java (201648)</b>

<b>B.Sc. Sem – VI (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>Friday</b> <b>27/03/2020</b>	236	<b>Physics Paper-XV (201604)</b> Atomic, Molecular Physics and Quantum Mechanics
	237	<b>Chemistry Paper- XV (201609)</b> Organic Chemistry
	238	<b>Botany Paper- XV (201619)</b> Plant Metabolism
	239	<b>Zoology Paper- XV (201624)</b> Molecular Biology and Biotechnology
	240	<b>Mathematics Paper- XV (201614)</b> Programming in C (201615)
	241	<b>Statistics Paper- XV (201644)</b> Designs of Experiments
	242	<b>Geology Paper- XV (201629)</b> Stratigraphy of India Part – II
	243	<b>Microbiology Paper- XV (201634)</b> Environmental Microbiology
	244	<b>Electronics Paper- XV (201639)</b> Electronics Instrumentation
	245	<b>Computer Science Paper- XV (201649)</b> Data Communication and Networking – II
		<b>Special Paper XVI</b>
<b>Monday</b> <b>30/03/2020</b>	246	<b>Physics Paper-XVI</b> Electronics (201605) OR
	247	Instrumentation (201652)
	248	<b>Chemistry Paper- XVI</b> Analytical and Industrial Organic Chemistry (201610) OR
	249	Applied Organic Chemistry (201653)
	250	<b>Botany Paper- XVI</b> Biostatistics (201620) OR
	251	Horticultural practices and post harvest technology (201655)
	252	<b>Zoology Paper- XVI</b> Endocrinology, Environmental Biology and Toxicology (201625) OR
	253	Techniques in Biology (201656)
254	<b>Mathematics Paper- XVI</b> Integral Transform OR	
255	Graph Theory and Combinatorics	

256	<b>Statistics Paper- XVI</b> Quality Management and Reliability (201645) OR
257	Time Series Analysis (201660)
258	<b>Geology Paper- XVI (201657)</b> Applied Geology Part – II OR
259	Geochemistry
260	<b>Microbiology Paper- XVI</b> Clinical Microbiology-I (201635) OR
261	Clinical Microbiology-II (201658)
262	<b>Electronics Paper- XVI</b> Modern Communication Systems (201640) OR
263	Virtual Instrumentation (201659)
264	<b>Computer Science Paper- XVI (201650)</b> Angular JS OR
265	Linux Operating System (201661)

**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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Ref No.: PAHSUS/EXAM/TIME-TABLE/2020/399

Date : 07/03/2020

**Sd/-**

**I/C Director**

Board of Examinations and Evaluation