## University of Kerala

## First Degree Programme under CBCS System Fourth Semester BSc Degree Examination March 2020

Time 1.30 p.m. to 4.30 p.m. on all days except Fridays (2.00 p.m. to 5.00 p.m. on Fridays)

(2018 Admission Regular & 2017 Admission Improvement & 2016, 2015 & 2014 Admission Supplementary)

Day	Date	Course Code	Course Name
Wednesday	11.03.2020	<b>Language (</b> EN 1411.1 & EN 1411.3	Course VIII  Readings in Literature (Common for BA/BSc & Career related 2(a)) (2014 Admission)
		EN 1411.1 & EN 1411.3	Readings in Literature (Common for BA/BSc & Career related 2(a)) (2015 Admission Onwards)
Friday	13.03.2020	Language C Additional La	ourse IX anguage (Common for BA/ Bsc)
		ML 1411.1	Malayalam-Ashayavinimayam, Sargathmakarachana, Bhashavabodham (2018 Admission)
		ML 1411.1	Malayalam-Vinimayam, Sargathmakarachana, Bhashavbodham (2014-2017 Admission)
		HN 1411.1	Hindi-Poetry, Long poems and Culture (2014 to 2016 Admission)
		HN 1411.1	Hindi – Drama, Translation and Correspondence (2017 Admission Onwards)
		AR 1411.1	Arabic-Culture & Civilization (2014 Admission)
		AR 1411.1	Arabic-Culture & Civilization (2015 Admission Onwards)
		FR 1411.1	French-Culture & Civilization (2014 Admission to 2017 Admission)
		FR 1411	French-Culture & Civilization (2018 Admission)
		GR 1411.1	German-Grammar, Prose & Comprehension (2014 Admission Onwards)
		LT 1411.1	Latin-Culture & Civilization in Latin (2014 Admission Onwards)
		SK 1411.1	Sanskrit-Influence of Sanskrit on Indian Culture

SR 1411.1 Syriac-Prose, Grammar and History of the Syrian

Church in India(Individual Churches)

(2014 Admission Onwards)

RU 1411.1 Russian-Poetry Selections from Famous Russian &

Soviet Poets. (2014-2017 Admission)

RU 1411.1 Russian-Poetry Selections from Famous Russian &

Soviet Poets. (2018 Admission)

TM 1411 Tamil-Ariviyal Tamil (2014-2017 Admission)

TM 1411 Tamil-Ariviyal Tamil (2018 Admission)

## Monday 16.03.2020 Core Course III

**CHEMISTRY** 

CH 1441 Organic Chemistry I

(2014 to 2016 Admission)

CH 1441 Organic Chemistry I

(2017 Admission Onwards)

**POLYMER CHEMISTRY** 

PO 1441 Organic Chemistry I (2014 -2017Admission)
PO 1441 Organic Chemistry I (2018 Admission)

**BIO-CHEMISTRY** 

BC 1441 Techniques in Bio-chemistry

(2014 Admission Onwards)

**BOTANY** 

BO 1441 Bryology Pteridology, Gymnosperms and

Paleobotany

(2014 Admission Onwards)

**GEOGRAPHY** 

GG 1441 Human Geography (2014 -2017 Admission)

GG 1441 Human Geography (2018Admission)

**HOME SCIENCE** 

HS 1441 Resource Management (2014-2017 Admission)

HS 1441 Resource Management (2018 Admission)

**MATHEMATICS** 

MM 1441 Algebra & Calculus II (2014-2017Admission)
MM 1441 Elementary Number Theory and Calculus II

(2018 Admission)

**PHYSICS** 

PY 1441 Classical and Relativistic Mechanics

(2018 Admission)

PY 1441 Electrodynamics (2014-2017 Admission)

		STATISTICS	
		ST 1441	Probability & Distribution-II
			(2014-2017 Admission)
		ST 1441	Probability & Distribution-II
			(2018 Admission)
		_	
		ZOOLOGY	
		ZO 1421(Found	ation Course) General Informatics and Bioinformatics
			(2014 Admission)
		ZO 1441	Core Course IV
		_	Cell Biology (2015 Admission Onwards)
		GEOLOGY	
		GL 1441	Mineralogy
			(2014 Admission Onwards)
		Psychology	
		PG 1441	Social Behaviour
		10 1441	(2017 Admission Onwards)
		PG 1441	Social Behaviour
		101441	(2014 to 2016 Admission)
			(2014 to 2010 Humission)
		Microbiology	
		MB 1441	Microbial Genetics and Immunology
		1,12 1 1	(2014 Admission Onwards)
			(
Wednesday	18.03.2020	Complement	ary Courses VII & VIII
Wednesday	10.05.2020	_	
			( )rdanic X <sub>7</sub> Rionhycical ( homicfry / / oology)
		CH 1431.4	Organic & Biophysical Chemistry (Zoology)
		CH 1431.4	(2014 to 2016 Admission)
		CH 1431.4 CH 1431.4	(2014 to 2016 Admission)
		CH 1431.4	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)
			(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany)
		CH 1431.4	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)
		CH 1431.4 CH 1431.3	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)
		CH 1431.4	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany)
		CH 1431.4 CH 1431.3	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)
		CH 1431.4 CH 1431.3	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany)
		CH 1431.4 CH 1431.3 CH 1431.3	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)
		CH 1431.4  CH 1431.3  CH 1431.3  CH 1431.2	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)
		CH 1431.4 CH 1431.3 CH 1431.3	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology)
		CH 1431.4  CH 1431.3  CH 1431.3  CH 1431.2	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)
		CH 1431.4  CH 1431.3  CH 1431.3  CH 1431.2  CH 1431.2	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology) (2017 Admission Onwards)
		CH 1431.4  CH 1431.3  CH 1431.3  CH 1431.2	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology) (2017 Admission Onwards)  Atomic Physics & Electronics (Home Science)
		CH 1431.4  CH 1431.3  CH 1431.3  CH 1431.2  CH 1431.2  PY 1431.5	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology) (2017 Admission Onwards)  Atomic Physics & Electronics (Home Science) (2014-2017 Admission)
		CH 1431.4  CH 1431.3  CH 1431.3  CH 1431.2  CH 1431.2	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology) (2017 Admission Onwards)  Atomic Physics & Electronics (Home Science) (2014-2017 Admission)  Atomic Physics & Electronics (Home Science)
		CH 1431.4  CH 1431.3  CH 1431.3  CH 1431.2  CH 1431.2  PY 1431.5	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology) (2017 Admission Onwards)  Atomic Physics & Electronics (Home Science) (2014-2017 Admission)
		CH 1431.4  CH 1431.3  CH 1431.3  CH 1431.2  CH 1431.2  PY 1431.5  PY 1431.5	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology) (2017 Admission Onwards)  Atomic Physics & Electronics (Home Science) (2014-2017 Admission)  Atomic Physics & Electronics (Home Science) (2018 Admission)
		CH 1431.4  CH 1431.3  CH 1431.3  CH 1431.2  CH 1431.2  PY 1431.5	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology) (2017 Admission Onwards)  Atomic Physics & Electronics (Home Science) (2014-2017 Admission)  Atomic Physics & Electronics (Home Science) (2018 Admission)  Stratigraphy, Paleontology & Economic Geology
		CH 1431.4  CH 1431.3  CH 1431.3  CH 1431.2  CH 1431.2  PY 1431.5  PY 1431.5	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology) (2017 Admission Onwards)  Atomic Physics & Electronics (Home Science) (2014-2017 Admission)  Atomic Physics & Electronics (Home Science) (2018 Admission)
		CH 1431.4  CH 1431.3  CH 1431.2  CH 1431.2  CH 1431.5  PY 1431.5  PY 1431.5  GL 1431	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology) (2017 Admission Onwards)  Atomic Physics & Electronics (Home Science) (2014-2017 Admission)  Atomic Physics & Electronics (Home Science) (2018 Admission)  Stratigraphy, Paleontology & Economic Geology (Geography) (2014 Admission Onwards)
		CH 1431.4  CH 1431.3  CH 1431.3  CH 1431.2  CH 1431.2  PY 1431.5  PY 1431.5	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology) (2017 Admission Onwards)  Atomic Physics & Electronics (Home Science) (2014-2017 Admission)  Atomic Physics & Electronics (Home Science) (2018 Admission)  Stratigraphy, Paleontology & Economic Geology (Geography) (2014 Admission Onwards)  Atomic Physics, Quantum Mechanics & Electronics
		CH 1431.4  CH 1431.3  CH 1431.2  CH 1431.2  CH 1431.5  PY 1431.5  PY 1431.5  GL 1431	(2014 to 2016 Admission)  Physical Chemistry (Zoology) (2017 Admission Onwards)  Organic Chemistry (Botany) (2014 to 2016 Admission)  Organic Chemistry (Botany) (2017 Admission Onwards)  Physical & Analytical Chemistry-Part I(Geology) (2014 to 2016 Admission)  Physical & Analytical Chemistry-II(Geology) (2017 Admission Onwards)  Atomic Physics & Electronics (Home Science) (2014-2017 Admission)  Atomic Physics & Electronics (Home Science) (2018 Admission)  Stratigraphy, Paleontology & Economic Geology (Geography) (2014 Admission Onwards)

**STATISTICS** 

		PY 1431.2	Atomic Physics, Quantum Mechanics & Electronics (Chemistry) (2018 Admission)
		ST 1431.1	Statistical Inference (Mathematics) (2018 Admission)
		ST 1431.1	Testing of Hypothesis and Analysis of Variance (2014 -2017Admission) (Mathematics)
		PY 1431.7	Atomic Physics and Electronics (Polymer Chemistry) (2018 Admission)
Friday	20.03.2020	MM 1431.4	Mathematics IV-Linear Algebra (Statistics) (2014-2017 Admission)
		MM 1431.4	Mathematics IV-Linear Algebra (Statistics) (2018 Admission)
		ST 1431.2	Statistical Inference (Physics) (2014 to 2016 Admission)
		ST 1431.2	Statistical Inference (Physics) (2017 Admission Onwards)
		ST 1431.5	Statistical Methods for Psychology IV(Psychology) (2014 to 2016 Admissions)
		ST 1431.5	Statistical Methods for Psychology IV(Psychology) (2017 Admission Onwards)
		MM 1431.3	Mathematics IV (Vector Analysis & Fourier Series) (Geology) (2014-2017 Admission)
		MM 1431.3	Mathematics IV Basic Statistics and Differential Equations (2018 Admission) (Geology)
		EL 1431	Electronics IV (Physics) (2014-2017 Admission)
		EL 1431	Electronics IV (Physics) (2018 Admission)
		ST 1431.3	Statistical Techniques for Geography (Geography) (2014 to 2016 Admissions)
	`	ST 1431.3	Statistical Techniques for Geography (Geography) (2017 Admission Onwards)
		BO 1431	Plant Physiology, Plant Ecology, Horticulture and Plant Biotechnology (For Zoology, Home Science, Bio-Chemistry) (2014 Admission Onwards)

Monday	06.04.2020	ZO 1431.2	Physiology of Emotion and cognition (Psychology) (2014 Admission Onwards)
		ZO 1431.1	Applied Zoology (Home Science, Botany & Bio-chemistry) (2014 Admission)
		ZO 1431.1	Applied Zoology (Home Science, Botany & Bio-chemistry) (2015 Admission Onwards)
		PY 1431.4	Modern Physics, Electronics and Crystallography (Geology) (2014-2017 Admission)
		PY 1431.4	Modern Physics, Electronics and Crystallography (Geology) (2018 Admission)
		MM 1431.1	Mathematics IV –Complex Analysis, Fourier series & Fourier Transforms (Physics) (2014 -2017 Admission)
		MM 1431.1	Mathematics IV –Complex Analysis, Special Functions and Probability Theory (2018 Admission) (Physics)
	PY	1431.1/1431.3	Modern Physics & Electronics (Maths, Statistics) (2014-2017 Admission)
		PY 1431.1	Modern Physics & Electronics (Maths) (2018 Admission)
		PY 1431.3	Modern Physics & Electronics (Statistics) (2018 Admission)
Wednesda	y 08.04.2020	MM 1431.2	Mathematics IV –Differential Equations, Vector Calculus and Abstract Algebra (Chemistry & Polymer Chemistry) (2018 Admission)
		MM 1431.2	Mathematics IV –Abstract Algebra and Linear Transformations(Chemistry, Polymer Chemistry) (2014 – 2017 Admission)
		CH 1431.6	Organic Chemistry & Spectroscopy (Biochemistry) (2014 to 2016 Admission)
		CH 1431.6	Organic Chemistry & Spectroscopy II (Biochemistry) (2017 Admission Onwards)
		CH 1431.5	Organic & Medicinal Chemistry (Home Science) (2014 to 2016 Admission)
		CH 1431.5	Organic & Medicinal Chemistry (Home Science) (2017 Admission Onwards)
	CS 1	.431.2/ CS 1431.3	Data Structures & Algorithms (Statistics & Mathematics) (2014 & 2015 Admissions)

	CS 1431.2	2/ CS 1431.3	Data Structures and Algorithms (Statistics/Mathematics) (2016 Admission onwards)
		BC 1431	Intermediary Metabolism (Botany, Zoology) (2014 Admission Onwards)
		CH 1431.1	Physical & Inorganic Chemistry (Physics) (2014 to 2016 Admission)
		CH 1431.1	Spectroscopy & Material Chemistry (Physics) (2017 Admission Onwards)
		CH 1431.7	Physical Chemistry (Microbiology) (2017 Admission Onwards)
Monday	13.04.2020	Core Course	e HOME SCIENCE
		HS 1442	Human Physiology (2014 -2017Admission)
		Complement BT 1431	ary Courses VII & VIII Molecular Biology (Microbiology) (2014 Admission Onwards)

Wednesday	<b>15.04.2020</b>	Practical Exams-Part I (Time: 1.30 p.m. to 3.30 p.m.)
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ST 1432.2 Practical Complementary Statistics for Physics Core (2014 to 2016 Admissions)

ST 1432.3 Practical Complementary Statistics for Geography Core (2014 to 2016 Admissions)

Sd/-Controller of Examinations

University Buildings, Thiruvananthapuram Dated: 29.02.2020