



जम्मू केंद्रीय विश्वविद्यालय Central University of Jammu

राया-सूचानी, बागला, जिला सांबा-181143 जम्मू, जम्मू एवं कश्मीर

Rahya - Suchani (Bagla), District Samba-181143, Jammu (J&K)

No. CUJ/DCHE/2016/473

27 November, 2018

NOTIFICATION No. 67/2018

Sub: Course Scheme and Syllabus Notification of 1st to 10th semesters of Integrated M.Sc. Chemistry w.e.f. Academic session 2018 - 19 – Reg.

It is hereby notified for the information of all concerned that on the recommendations of the Board of Studies, Department of Chemistry & Chemical Sciences and School Board, School of Basic and Applied Sciences, the Academic Council has approved the Course Scheme and Syllabus of 1st to 10th semesters of Integrated M.Sc. in Chemistry w.e.f. Academic Session 2018-19. The approved course scheme and syllabus are as under:

Semester – I

Course Code	Course Title	Credit	CIA	MSE	ESE	Max. Marks
Core Courses						
ICCHM1C004T	General Chemistry – I	4	25	25	50	100
ICCHM1C005L	General Chemistry Lab – I	4	25	25	50	100
ICAMT1C001T	Mathematics – I	4	25	25	50	100
ICZOL1C002T	Zoology – I					
ICPHY1C001T	Physics – I	4	25	25	50	100
ICBOT1C002T	Botany – I (Plant Kingdom Diversity in forms, structure and reproduction)					
ICPHY1C002L	Physics Lab – I (04 Credits)	4	25	25	50	100
ICBOT1C002L	Botany Lab – I (02 Credits) &					
ICZOL1C003L	Zoology Lab – I (02 Credits)					
Foundation Course						
ICECL1F001T	English	4	25	25	50	100
Total		24	-	-	-	600

Semester – II

Course Code	Course Title	Credit	CIA	MSE	ESE	Max. Marks
Core Courses						
ICCHM2C004T	General Chemistry – II	4	25	25	50	100
ICCHM2C005L	General Chemistry Lab – II	4	25	25	50	100
ICPHY2C001T	Physics – II	4	25	25	50	100
ICBOT2C002T	Botany – II					
ICAMT2C001T	Mathematics – II	4	25	25	50	100
ICZOL2C002T	Zoology – II					
ICPHY2C002L	Physics Lab – II (04 Credits)	4	25	25	50	100
ICBOT2C003L	Botany Lab – II (02 Credits) &					
ICZOL2C003L	Zoology- Lab – II (02 Credits)					
Interdisciplinary Course						
ICEVS2C001T	Environmental Science	4	25	25	50	100
Foundation Course						
ICICT2F001T	Introduction to Computers	4	25	25	50	100
Total		28	-	-	-	700

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Semester – III

Course Code	Course Title	Credit	CIA	MSE	ESE	Max. Marks
Core courses						
ICCHM3C003T	Inorganic Chemistry – I	4	25	25	50	100
ICCHM3C004T	Organic Chemistry – I	4	25	25	50	100
ICCHM3C005T	Physical Chemistry – I	4	25	25	50	100
ICCHM3C005L	Inorganic Chemistry Lab – I	3	25	25	50	100
ICCHM3C006L	Organic Chemistry Lab – I	3	25	25	50	100
Interdisciplinary Course						
ICMOL3I001T	Biochemistry	4	25	25	50	100
Foundation Course						
ICECL3F001T	Communication Skill in English and Allied Factors	4	25	25	50	100
Total		26				700

Semester – IV

Course Code	Course Title	Credit	CIA	MSE	ESE	Max. Marks
Core courses						
ICCHM4C004T	Inorganic Chemistry – II	4	25	25	50	100
ICCHM4C005T	Organic Chemistry – II	4	25	25	50	100
ICCHM4C006T	Physical Chemistry – II	4	25	25	50	100
ICCHM4C006L	Organic Chemistry Lab – II	4	25	25	50	100
Elective Course						
ICCHM4E001L	Physical Chemistry Lab – I	4	25	25	50	100
Foundation Course						
ICCHM4F001T	Basic Analytical Chemistry	4	25	25	50	100
Total		24	-	-	-	600

Semester – V

Course Code	Course Title	Credit	CIA	MSE	ESE	Max. Marks
Core courses						
ICCHM5C001T	Organic Spectroscopy and Compounds with Heteroatoms	4	25	25	50	100
ICCHM5C002T	Quantum Mechanics, Surface and Colloidal Chemistry	4	25	25	50	100
ICCHM5C001P	Seminar	2	12.5	12.5	25	50
ICCHM5C001L	Physical Chemistry Lab – II	3	25	25	50	100
Elective Course						
ICCHM5E001T	Properties of Inorganic Metal Complexes	4	25	25	50	100
ICCHM5E002T	Natural Products Chemistry	4	25	25	50	100
ICCHM5E001L	Inorganic Chemistry Lab – II	3	25	25	50	100
Total		24				650



