

SYLLABUS (2017-18)

Department of Chemistry, Chaudhary Devi Lal University,
Sirsa-125 055



M. Sc. Previous

First Year: There will be two semesters in a year. Examination will be held at the end of each semester.

First Semester

Paper No.	Course Code	Subject	Contact Hours (L+ P)	Credits	Max. Marks
Paper-I	CHI(H)-101	Inorganic Chemistry-1	4+0 = 04	04	70+30
Paper-II	CHP(H)-102	Physical Chemistry-1	4+0 = 04	04	70+30
Paper-III	CHO(H)-103	Organic Chemistry-1	4+0 = 04	04	70+30
Paper-IV	CHS(S)-104	Spectroscopy-I	4+0 = 04	04	70+30
Paper-V	CHA(S)-105	Analytical Techniques-I	4+0 = 04	04	70+30
Paper -VI	CH(OE)-106	Open Elective Paper	4+0 = 04	04	70+30
Paper-VII	CHM(H)-105A* OR CHB(H)-105B**	Mathematics for Chemists OR Biology for Chemists	2+0=02	02	50* (Compulsory and Qualifying)
Paper-VIII	CHI(H)-107	Inorganic Chemistry Practical-1	0+6 = 06	03	50
Paper-IX	CHP(H)-108	Physical Chemistry Practical-1	0+6 = 06	03	50
Paper-X	CHO(H)-109	Organic Chemistry Practical-1	0+6 = 06	03	50

Total Marks = 650

* For students without Mathematics in B. Sc., ** For students without Biology in B. Sc.

Note:

- The student will earn minimum ten credits by choosing some open elective courses offered by the different departments in the university other than the Department of Chemistry.
- CH (H), CH (S) represents Hard core, Soft core papers in Chemistry.
- CHM(H)-105A and CHB(H)-105B will be qualifying only.
- Each theory paper will include **30%** marks as internal assessment as per University rules.
- Each practical examination will be of 06 hours and will be conducted in two sessions (Morning & Evening) of 03 hours each.
- Maximum marks of M.Sc. 1st Semester will be 650. Theory 500 marks; Practical 150 marks)
- Practical marks will include 20% marks for viva-voce and 20% for record files.
- The payment to the internal as well as external examiners will be made on the basis of sessions.
- Total credits : 31
Hard Core = 23; Soft Course = 08

P. G. BOSE

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