

CHAITANYA (DEEMED TO BE UNIVERSITY)
M.Sc. Organic Chemistry
Credit Pattern, Instruction Hours, Marks Allotment.
[With effect from the academic year 2020-21 Under CBCS system]

Semester - I							
S. No	Paper Code	Title of the paper	HPW	Credits	Marks		Total marks
					Internal	External	
1		Inorganic Chemistry	4	4	30	70	100
2		Organic Chemistry	4	4	30	70	100
3		Physical Chemistry	4	4	30	70	100
4		Analytical techniques and Spectroscopy- I	4	4	30	70	100
5		Inorganic Chemistry lab	3	2	15	35	50
6		Organic Chemistry lab	3	2	15	35	50
7		Physical Chemistry lab	3	2	15	35	50
8		Analytical Chemistry lab	3	2	15	35	50
8		Seminar	3	2	15	35	50
		TOTAL		26	195	455	650

Semester - II							
S. No	Paper Code	Title of the paper	HPW	Credits	Marks		Total marks
					Internal	External	
1		Inorganic Chemistry	4	4	30	70	100
2		Organic Chemistry	4	4	30	70	100
3		Physical Chemistry	4	4	30	70	100
4		Analytical techniques and Spectroscopy- II	4	4	30	70	100
5		Inorganic Chemistry lab	3	2	15	35	50
6		Organic Chemistry lab	3	2	15	35	50
7		Physical Chemistry lab	3	2	15	35	50
8		Spectroscopy lab	3	2	15	35	50
8		Seminar	3	2	15	35	50
		TOTAL		26	195	455	650

S. No	Paper Code	Title of the paper	HP W	Credits	Marks		Total marks
					Internal	External	
1		General organic chemistry	4	4	30	70	100
2		Modern organic synthesis	4	4	30	70	100
3		Bioorganic chemistry	4	4	30	70	100
4		Green chemistry and Organic materials	4	4	30	70	100
5		Practical I	3	2	15	35	50
6		Practical II	3	2	15	35	50
7		Practical III	3	2	15	35	50
8		Practical IV	3	2	15	35	50
8		SEC 1. Intellectual Property Rights (IPR) 2. Food Technology 3. Tourism & Hospitality Management 4. Human Rights 5. E-Commerce	2	2	15	35	50
		Seminar	3	2	15	35	50
		Oral / Poster presentation		2	15	35	50
		TOTAL		30	225	525	750

Semester - IV							
S. No	Paper Code	Title of the paper	HPW	Credits	Marks		Total marks
					Internal	External	
1		Drug Design and Drug Discovery	4	4	30	70	100
2		Drug synthesis and mechanism of action	4	4	30	70	100
3		Advanced Heterocyclic Chemistry	4	4	30	70	100
4		Concepts of Clinical Research (CCR)					
5		Practical I	3	2	15	35	50
6		Practical II	3	2	15	35	50
7		Practical III	3	2	15	35	50
8		Practical IV	3	2	15	35	50
8		SEC 1. Biosafety and Bio piracy 2. Air Line Management 3. Nano Technology 4. Health care Management 5. Fundamentals of Electronics	2	2	15	35	50
		Seminar	3	2	15	35	50
		Community Service & Project		2	15	35	50
		TOTAL		30	225	525	750

Semester	No. of credits	Marks
I	26	650
II	26	650
III	30	750
IV	30	750
Total	112	2800

Marks Distribution:

Theory:

Internal Marks: 30

First Internal – 10 marks
Second Internal – 10 marks
Assignment – 10 marks

External Marks : 70

Sections – A
8 Shorts questions (2 questions from each
chapter) 6 questions to be answered
 $6 \times 5 = 30$ marks

Section –B
4 Long questions with internal choice from each
chapter $4 \times 10 = 40$

Practical:

Internal Marks: 15

5 marks for attendance
10 marks for internal exam

External Marks: 35

5 marks for record
5 marks for viva-voce (written or
oral) 25 marks for experiment

QUESTION PAPER PATTERN

FACULTY OF SCIENCE

M.Sc.

Title of the Paper: XXXXXX

Duration:3 Hours]

[Max Marks=70M

SECTION-A

Short Answer type questions

Answer any SIX questions

[6 X 5 = 30M]

- 1. UNIT-I**
- 2. UNIT-I**
- 3. UNIT-II**
- 4. UNIT-II**
- 5. UNIT-III**
- 6. UNIT-III**
- 7. UNIT-IV**
- 8. UNIT-IV**

**9. A) UNIT – I
OR
B) UNIT - I**

**10. A) UNIT – II
OR
B) UNIT – II**

**11. A) UNIT – III
OR
B) UNIT – III**

**12. A) UNIT – IV
OR
B) UNIT - IV**

