

**B.Sc. CHEMISTRY – PROGRAMME STRUCTURE**

Sem	Part	Course Code	Title of the Course	Cr.	Hrs./ Week	Marks		Total	
						Int.	Ext.		
I	I	711T	<b>Tamil/other languages – I</b>	3	6	25	75	100	
	II	712E	<b>English – I</b>	3	6	25	75	100	
	III		7BCH1C1	<b>Core-I-Fundamentals of Chemistry</b>	4	6	25	75	100
			7BCH1P1	<b>Core – II – Inorganic and organic Volumetric Analysis Practical – I</b>	4	6	<b>40</b>	<b>60</b>	100
			-----	<b>Allied – I – (Theory only) (or)</b>	5	5	25	75	100
				<b>Allied – I – (Theory cum Practical)</b>	4	3	15	60	75
				<b>Allied Practical – I</b>	-	2**	--	--	---
	IV	7NME1A / 7NME1B / 7NME1C	<b>(1) Non-Major Elective – I (A)</b> தமிழ்மொழியின் அடிப்படைகள் <b>(B)</b> இக்கால இலக்கியம் <b>(C)</b> Communicative English	2	1	25	75	100	
			<b>Total(Allied – Theory only)</b>	<b>21</b>	<b>30</b>	-	-	<b>600</b>	
			<b>Total(Allied-Theory cum Practical)</b>	<b>20</b>				<b>575</b>	
II	I	721T	<b>Tamil/other languages – II</b>	3	6	25	75	100	
	II	722E	<b>English – II</b>	3	6	25	75	100	
	III		7BCH2C1	<b>Core –III– Physical Chemistry –I</b>	4	5	25	75	100
			7BCH2C2	<b>Core – IV – Inorganic Chemistry–I</b>	4	6	25	75	100
				<b>Allied – II – (Theory only) (or)</b>	5	5	25	75	100
				<b>Allied– II – (Theory cum Practical)</b>	4	3	15	60	75
				<b>Allied Practical – I</b>	2	2	20	30	50
	IV	7BES2	<b>(3) Environmental Studies</b>	2	2	25	75	100	
			<b>Total(Allied – Theory only)</b>	<b>21</b>	<b>30</b>	-	-	<b>600</b>	
			<b>Total(Allied-Theory cum Practical)</b>	<b>22</b>				<b>625</b>	
	I	731T	<b>Tamil /other languages – III</b>	3	6	25	75	100	
	II	732E	<b>English – III</b>	3	6	25	75	100	

III		7BCH3C1	<b>Core – V –Organic Chemistry – I</b>	4	5	25	75	100
	III	7BCH3P1	<b>Core – VI – Inorganic and organic Qualitative Analysis Practical – II</b>	4	5	<b>40</b>	<b>60</b>	100
			<b>Allied – III – (Theory only) (or)</b>	5	5	25	75	100
			<b>Allied– III –(Theory cum Practical)</b>	4	3	15	60	75
			<b>Allied Practical – I</b>	-	2**	--	--	---
	IV	7NME3A/ 7NME3B/ 7NME3C	<b>(1) Non-major Elective – II –</b> <b>(A)</b> இலக்கியமும் மொழிப்பயன்பாடும் <b>(B)</b> பழந்தமிழ் இலக்கியங்களும் இலக்கியவரலாறும் <b>(C)</b> Employability Skills	2	1	25	75	100
7SBS3A1/ 7SBS3A2/ 7SBS3A3		<b>(2) Skill Based Subjects – I</b>	2	2	25	75	100	
V		7BEA3	<b>Extension activities</b>	1	--	100	--	100
			<b>Total(Allied – Theory only)</b>	<b>24</b>	<b>30</b>	-	-	<b>800</b>
			<b>Total(Allied-Theory cum Practical)</b>	<b>23</b>		-	-	<b>775</b>
IV	I	741T	<b>Tamil /other languages – IV</b>	3	6	25	75	100
	II	742E	<b>English – IV</b>	3	6	25	75	100
	III	7BCH4C1	<b>Core– VII– Physical Chemistry– II</b>	4	4	25	75	100
		7BCH4C2	<b>Core–VIII–Inorganic Chemistry–II</b>	4	5	25	75	100
			<b>Allied – IV – (Theory only) (or)</b>	5	5	25	75	100
			<b>Allied– IV –(Theory cum Practical)</b>	4	3	15	60	75
			<b>Allied Practical – I</b>	2	2	20	30	50
	IV	7SBS4B1/ 7SBS4B2/ 7SBS4B3	<b>(2) Skill Based Subjects – II</b>	2	2	25	75	100
		7BVE4/ 7BMY4/ 7BWS4	<b>(4) Value Education /Manavalakalai Yoga /Women’s Studies</b>	2	2	25	75	100
				<b>Total(Allied – Theory only)</b>	<b>23</b>	<b>30</b>	-	-
			<b>Total(Allied-Theory cum Practical)</b>	<b>24</b>	-		-	<b>725</b>

V	III	7BCH5C1	Core –IX–Organic Chemistry– II	4	5	25	75	100	
		7BCH5C2	Core–X – Physical Chemistry–III	4	5	25	75	100	
		7BCH5P1	Core–XI–Gravimetric Estimation and Organic Preparation Practical-III	4	4	<b>40</b>	<b>60</b>	100	
		7BCH6P1	Core–XII–Physical Chemistry–Practical–IV	-	2*	--	--	---	
		7BCHE1A/ 7BCHE1B	Elective–I–A)Analytical Chemistry (or) B)Agricultural Chemistry	5	5	25	75	100	
		7BCHE2A/ 7BCHE2B	Elective–II–A)Industrial Chemistry (or) B)Medicinal Chemistry	5	5	25	75	100	
	IV	7SBS5A4/ 7SBS5A5/ 7SBS5A6/ 7SBS5A7	(2) Skill Based Subjects – I	2	2	25	75	100	
			(2) Skill Based Subjects – I	2	2	25	75	100	
	<b>Total</b>				<b>26</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>700</b>
VI	III	7BCH6P1	Core–XII–Physical Chemistry –Practical – IV	4	4	<b>40</b>	<b>60</b>	100	
		7BCH6C1	Core–XIII–Inorganic Chemistry–III	4	6	25	75	100	
		7BCH6C2	Core–XIV–Organic Chemistry-III	4	6	25	75	100	
		7BCH6P2	Core–XV–Applied Chemistry Practical – V	4	5	<b>40</b>	<b>60</b>	100	
		7BCHE3A/ 7BCHE3B/ 7BCHEPR	Elective–III–A)Polymer Chemistry (or) B)Material Chemistry & Nano-Science (or) C)Project*	5	5	25	75	100	
	IV	7SBS6B4/ 7SBS6B5/ 7SBS6B6	(2) Skill Based Subjects – II	2	2	25	75	100	
		7SBS6B7	(2) Skill Based Subjects – II	2	2	25	75	100	
	<b>Total</b>				<b>25</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>700</b>
	<b>Grand Total</b>				<b>140</b>	<b>180</b>	<b>-</b>	<b>-</b>	<b>4100</b>

\*\* University Examinations will be held in the Even Semesters only.