

**ALAGAPPA UNIVERSITY, KARAIKUDI**  
**NEW SYLLABUS UNDER CBCS PATTERN (w.e.f. 2017-18)**

**B.Sc., BIOTECHNOLOGY – PROGRAMME STRUCTURE**

Sem.	Part	Course code	Title of the Course	Cr.	Hrs./ Week	Marks		Total	
						Int.	Ext.		
I	I	711T	Tamil/Other languages – I	3	6	25	75	100	
	II	712E	English – I	3	6	25	75	100	
	III		7BBT1C1	Core – I – Biochemistry	4	6	25	75	100
			7BBT1P1	Core – II – Practical – I – Lab in Biochemistry	4	6	40	60	100
				Allied – I (Theory only) (or) Allied – I (Theory cum Practical)	5 4	5 3	25 15	75 60	100 75
				Allied Practical-I	-	2**	-	-	-
	IV	7NME1A/ 7NME1B/ 7NME1C	(1) Non-Major Elective – I – (A) jkpo; nkhopad; mbg; gilfs; / (B) ,f; fhy ,yf; fpak; / (C) 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	Tamil/Other languages – II	3	6	25	75	100	
	II	722E	English – II	3	6	25	75	100	
	III		7BBT2C1	Core – III – Microbiology	4	6	25	75	100
			7BBT2P1	Core – IV – Practical – II – Lab in Microbiology	4	5	40	60	100
				Allied – II (Theory only) (or) Allied – II(Theory cum Practical)	5 4	5 3	25 15	75 60	100 75
				Allied Practical-I	2	2	20	30	50
	IV	7BES2	(3) Environmental Studies	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>	
III	I	731T	Tamil/Other languages – III	3	6	25	75	100	
	II	732E	English – III	3	6	25	75	100	
	III		7BBT3C1	Core – V – Cell & Molecular Biology	4	5	25	75	100
			7BBT3P1	Core – VI – Practical – III – Lab in Cell & Molecular Biology	4	5	40	60	100
				Allied – III (Theory only) (or) Allied–III(Theory cum Practical)	5 4	5 3	25 15	75 60	100 75
				Allied Practical-II	-	2	-	-	-
	IV		7NME3A/ 7NME3B/ 7NME3C	(1) Non-major Elective – II – (a) ,yf; fpaKk; nkhopg; gad; ghLk; / (b) goe; jkpo; ,yf; fpaq; fSk; ,yf; fpa tuyhWk;/ (c) Effective Employability Skills	2	1	25	75	100
		7SBS3A1/ 7SBS3A2/ 7SBS3A3	(2) Skill Based Subjects – I	2	2	25	75	100	
V	7BEA3	Extension Activities	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	7BBT4C1	<b>Core – VII – Principles of Genetics</b>	4	5	25	75	100
		7BBT4P1	<b>Core – VIII – Practical – IV – Lab in Genetics</b>	4	4	<b>40</b>	<b>60</b>	100
			<b>Allied – IV (Theory only) (or) Allied– IV(Theory cum Practical)</b>	5 4	5 3	25 15	75 60	100 75
			<b>Allied Practical-II</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>--</b>	<b>--</b>	<b>700</b>
			<b>Total(Allied -Theory cum Practical)</b>	<b>24</b>				<b>725</b>
V	III	7BBT5C1	<b>Core– IX – Principles of Immunology</b>	4	5	25	75	100
		7BBT5P1	<b>Core–X–Practical–V–Lab in Immunotechnology</b>	4	6	<b>40</b>	<b>60</b>	100
		7BBT5C2	<b>Core – XI – Microbial Biotechnology</b>	4	5	25	75	100
		7BBTE1A/ 7BBTE1B	<b>Elective – I - A) Biostatistics (or) B) Biophysics</b>	5	5	25	75	100
		7BBTE2A/ 7BBTE2B	<b>Elective–II- A) Biodiversity (or) B) Ecology and Evolution</b>	5	5	25	75	100
	IV	7SBS5A4/ 7SBS5A5/ 7SBS5A6/ 7SBS5A7	<b>(2) Skill Based Subjects – I (2) Skill Based Subjects – I</b>	2 2	2 2	25 25	75 75	100 100
			<b>Total</b>	<b>26</b>	<b>30</b>	<b>--</b>	<b>--</b>	<b>700</b>
	VI	III	7BBT6C1	<b>Core – XII – Recombinant DNA Technology</b>	4	5	25	75
7BBT6P1			<b>Core – XIII – Practical VI– Lab in Genetic Engineering.</b>	4	6	<b>40</b>	<b>60</b>	100
7BBT6C2			<b>Core – XIV – Plant and Animal biotechnology</b>	4	5	25	75	100
7BBT6PR			<b>Core-XV- Project in Biotechnology</b>	4	5	100	-	100
7BBTE3A/ 7BBTE3B		<b>Elective – III -A) Human Physiology (or) B) Agrobiotechnology</b>	5	5	25	75	100	
IV		7SBS6B4/ 7SBS6B5/ 7SBS6B6/ 7SBS6B7	<b>(2) Skill Based Subjects – II (2) Skill Based Subjects – II</b>	2 2	2 2	25 25	75 75	100 100
			<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.**