

**THE NEW COLLEGE (AUTONOMOUS), CHENNAI-600 014**  
**SEMESTER WISE WORK DISTRIBUTION FOR UG SCIENCE**

With effect from Academic year 2017

Number of Hours per Course

Sem	Language	VBE	English	SS	Allied	Core	Part IV	Total Hours Per Week
I	5	1	4	2	9	6+2	IC - 1	30
II	5	1	4	2	9	6+2	ES - 1	30
III	6	-	6	-	9	6+2	NME/AT/BT - 1	30
IV	6	-	6	-	9	6+2	NME/AT/BT - 1	30
V	-	-	-	-	-	24+6	-	30
VI	-	-	-	-	-	18+12	-	30
<b>No. of Teaching Hours</b>	<b>22</b>	<b>2</b>	<b>20</b>	<b>4</b>	<b>36</b>	<b>92</b>	<b>4</b>	<b>180</b>

Credit Details Part Wise

Part	Subject	Course	Credit	Total
I	Language	4	3	12
II	English	4	3	12
III	Major T + P	14	5	70
	Major P	4	3	12
	Allied	4	5	20
IV	SS	2	2	4
	VE	2	2	4
	IC	1	1	1
	ES	1	1	1
	NME	2	1	2
V	EA			2
<b>Total</b>				<b>140</b>

**T - Theory**

**P - Practical**

**Department of Biotechnology (UG)**

Sem	Subject Code	Part	Title of the Paper	Hours Week	Credits	Theory/ Practical	Exam Hours	CIA	External Marks	Total Marks
1	17BXF/17BAF/17BYF/17BPF/17BNF101	1	Language - I	5	3	Theory	3	25	75	100
	17BMF101	2	English - I	4	3	Theory	3	25	75	100
	17BCM101	3	Cell Biology	6	5	Theory	3	25	75	100
	17BCA101		Micro Biology	7	3	Theory	3	25	75	75
	17BCMP101		Cell Biology – Practical – I	2	3	Practical	3	25	75	100
	17BCAP101	4	Micro Biology – Practical – I	2	2	Practical	3		50	50
	17BIO101		Introduction to Computer and PC Software	1	1	Theory	3	25	75	100
	17BSO102		Soft Skills	2	2	Theory	3	25	75	100
	17BVO103		Value Education	1	2	Theory	3	25	75	100
<b>Total</b>				<b>30</b>	<b>24</b>			<b>200</b>	<b>650</b>	<b>825</b>
2	17BXF/17BAF/17BYF/17BPF/17BNF202	1	Language - II	5	3	Theory	3	25	75	100
	17BMF202	2	English - II	4	3	Theory	3	25	75	100
	17BCM202	3	Genetics & Molecular Biology	6	5	Theory	3	25	75	100
	17BCA202		Chemistry	7	3	Theory	3	25	75	75
	17BCMP202		Genetics & Molecular Biology - Practical - II	2	3	Practical	3	25	75	100
	17BCAP202	4	Allied Chemistry – Practical II	2	2	Practical	3		50	50
	17BEO204		Environmental Science	1	1	Theory	3	25	75	100
	17BSO205		Soft Skills	2	2	Theory	3	25	75	100
	17BVO206		Value Education	1	2	Theory	3	25	75	100
<b>Total</b>				<b>30</b>	<b>24</b>			<b>200</b>	<b>650</b>	<b>825</b>
3	17BXF/17BAF/17BYF/17BPF/17BNF303	1	Language - III	6	3	Theory	3	25	75	100
	17BMF303	2	English - I	6	3	Theory	3	25	75	100
	17BCM303	3	Developmental Biology	6	5	Theory	3	25	75	100
	17BCA303		Allied Biochemistry and Enzymology	7	3	Theory	3	25	75	75
	17BCMP303		Developmental Biology – Practical - III	2	3	Practical	3	25	75	100
	17BCAP303	4	Allied Biochemistry and Enzymology Practical - III	2	2	Practical	3		50	50
	17BCN301		Environment Management Industries	1	1	Theory	3	25	75	100
	17BXA301		Advanced Tamil							
	17BXB301	Basic Tamil								
<b>Total</b>				<b>30</b>	<b>20</b>			<b>150</b>	<b>500</b>	<b>625</b>
4	17BXF/17BAF/17BYF/17BPF/17BNF404	1	Language - IV	6	3	Theory	3	25	75	100
	17BMF404	2	English - IV	6	3	Theory	3	25	75	100
	17BCM404	3	Genetic Engineering	6	5	Theory	3	25	75	100
	17BCA404		Biophysics and Bioinstrumentation	7	3	Theory	3	25	75	75
	17BCMP404		Genetic Engineering - Practical - IV	2	3	Practical	3	25	75	100
	17BCAP404	4	Allied Biophysics and Bioinstrumentation Practical - IV	2	2	Practical	3		50	50
	17BCN402		Organic Farming and Health Management	1	1	Theory	3	25	75	100
	17BXA402		Advanced Tamil							
	17BXB402	Basic Tamil								
<b>Total</b>				<b>30</b>	<b>20</b>			<b>150</b>	<b>500</b>	<b>625</b>
5	17BCM505	3	Plant and Agricultural Biotechnology	6	5	Theory	3	25	75	100
	17BCM506		Animal and Medical Biotechnology	6	5	Theory	3	25	75	100
	17BCM507		Immunology and Basic Medical Lab Technology	6	5	Theory	3	25	75	100
	17BCM508		Pharmaceutical & Nano Biotechnology	6	5	Theory	3	25	75	100
	17BCMP505		Plant and Agricultural Biotechnology, Animal and Medical Biotechnology, Immunology and Basic Medical Lab Technology Practical - V	6	5	Practical	3	25	75	100
<b>Total</b>				<b>30</b>	<b>25</b>	<b>-</b>		<b>125</b>	<b>375</b>	<b>500</b>
6	17BCM609	3	Food and Bio Process Technology	6	5	Theory	3	25	75	100
	17BCM610		Bioinformatics & Bio Statistics	6	5	Theory	3	25	75	100
	17BCM611		Applied Biotechnology and Entrepreneurial Development	6	5	Theory	3	25	75	100
	17BCM612		Industrial and Environmental Biotechnology	6	5	Theory	3	25	75	100
	17BCMP606		Food and Bioprocess Technology, Bioinformatics & Biostatistics – Practical - VI	6	5	Practical	3	25	75	100
	17BEA601	4	Extension Activity	-	2	-	-	-	-	-
<b>Total</b>				<b>30</b>	<b>27</b>			<b>125</b>	<b>375</b>	<b>500</b>
<b>Grand Total</b>				<b>180</b>	<b>140</b>			<b>950</b>	<b>3050</b>	<b>3900</b>