



**MEENAKSHI CHANDRASEKARAN
COLLEGE OF ARTS AND SCIENCE**
(Affiliated to Bharathidasan University, Tiruchirappalli)
(UGC Recognized 2(f) & 12(B) Institution)

PROGRAM OUTCOME B.Sc.,Microbiology

PO1	Demonstrate holistic knowledge on the various facets of microbiology.
PO2	Make use of fundamental skills such as cultivating microorganisms, keeping bacteria, handling microbes safely, following proper microbiological procedures, and so on.
PO3	Apply microbiological principles to a wide range of fields such as medicine, industry, environment, genetics, agriculture, food, and others.
PO4	Demonstrate key practical competences in dealing with microorganisms for research purposes.
PO5	Analyze microbe-related problems, communicate them to peers/team members/other stakeholders and implement corrective actions.

**COURSE : MEDICAL MICROBIOLOGY SUB CODE:16SCCMB5
COURSE OUTCOME**

CO1	Describe the typical microbial flora of a healthy human body and the postulates of Koch and River can be taught.
CO2	Discover the various organ systems that are affected by bacterial illnesses.
CO3	Definition of viral infections that impact various organ systems.
CO4	Find out about fungal and protozoan infections that affect different organ systems
CO5	Demonstrate how to use common techniques to isolate and identify bacterial, fungal, viral, and protozoan parasites.

PO → CO ↓	PO1	PO2	PO3	PO4	PO5
CO1	3	2	2	2	1
CO2	3	2	3	3	2
CO3	3	2	1	2	1
CO4	3	2	1	2	2
CO5	3	3	3	3	1
AVERAGE	3	2.2	2	2.4	1.4

INTERNAL EXAMINATION MARK DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)		
	UNIT TEST (15)	SEMINAR (5)	ASSIGNMENT (5)
CO1	3	1	1

CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
TOTAL	15	5	5

SNO	REG. NO	NAME	CO1	CO2	CO3	CO4	CO5	TOTAL	% TO TOTAL INTERNAL MARK
1	CB17S 378301	ABINAYA.D	5	4	4	5	4	22	88
2	CB17S 378302	ABINAYA.K	3	3	3	4	4	17	68
3	CB17S 378303	ABITHA.A	3	3	3	3	4	16	64
4	CB17S 378304	ABITHA.M	4	4	4	4	4	20	80
5	CB17S 378305	AFIYA.M	5	5	5	5	4	24	96
6	CB17S 378306	AKALYA.K	3	3	3	4	4	17	68
7	CB17S 378307	ANJUGA.G	3	3	3	3	3	15	60
8	CB17S 378309	ASHIKA.M	4	3	3	3	5	18	72
9	CB17S 378310	BOOMIKA.V	4	4	4	4	4	20	80
10	CB17S 378311	DHANUSHA.P	5	5	4	5	5	24	96
11	CB17S 378312	THLA	3	3	4	4	4	18	72
12	CB17S 378313	DIVYA.M	3	3	3	3	4	16	64
13	CB17S 378315	DURGADEVLR	3	3	3	3	3	15	60
14	CB17S 378316	GAYATHRI.T	3	4	5	4	5	21	84
15	CB17S 378317	ISHRA SAHIN.M	5	4	4	5	4	22	88
16	CB17S 378318	KARTHIKA.M	3	3	3	3	3	15	60
17	CB17S 378319	KARTHIKA.S	5	4	4	4	3	20	80
18	CB17S 378320	KEERTHANA.G	3	3	3	3	3	15	60
19	CB17S 378321	KEERTHANA.P	3	3	3	3	3	15	60
20	CB17S 378322	KOWSALYAR	3	3	3	3	3	15	60
21	CB17S 378323	MALINI.C	4	5	5	5	5	24	96
22	CB17S 378324	MANJU.D	4	3	3	3	3	16	64
23	CB17S 378325	M	4	4	4	4	4	20	80
24	CB17S 378326	M	4	5	5	5	5	24	96
25	CB17S 378328	PAVITHA.A	4	4	4	4	4	20	80
26	CB17S 378329	PRABA.T	3	3	3	3	5	17	68
27	CB17S 378330	NITHLM	3	4	4	3	4	18	72
28	CB17S 378331	PRADEEPA.C	4	4	4	4	4	20	80
29	CB17S 378332	PRIYA.V	3	3	3	3	4	16	64
30	CB17S 378333	ROHINI.M	3	3	3	3	3	15	60
31	CB17S 378334	SANDHIYA.R	4	4	4	4	4	20	80
32	CB17S 378335	SANGEETHA.R	3	4	3	3	3	16	64
33	CB17S 378336	SANTHIYA.S	4	3	3	3	4	17	68

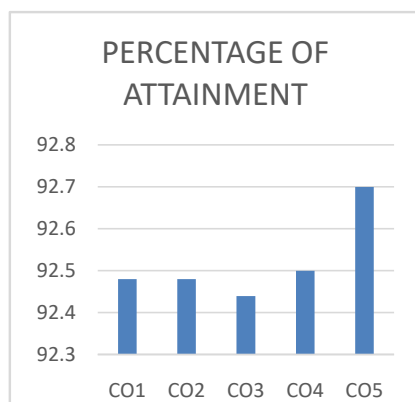
34	CB17S 378338	SHYMA.B	3	3	3	3	3	15	60
35	CB17S 378339	SOWMIYA.K	4	4	4	3	3	18	72
36	CB17S 378340	SRIMATHI.S	4	4	4	3	3	18	72
37	CB17S 378341	VEDHANTHAKI.M	3	4	4	4	3	18	72
AVERAGE			3.62	3.62	3.62	3.65	3.78		

EXPECTED ATTAINMENT IN EACH CO - 85%	INT. EXAM+ SEMINAR+ ASSIGNMENT	END SEM	TOTAL	%
CO1	3.61	75	78.61	92.48
CO2	3.61	75	78.61	92.48
CO3	3.58	75	78.58	92.45
CO4	3.63	75	78.63	92.51
CO5	3.8	75	78.8	92.71

COURSE ATTAINMENT FOR B.SC., MICROBIOLOGY
SUBJECT NAME : MEDICAL MICROBIOLOGY

SUBJECT CODE :16SCCMB5

COURSE OUTCOME	PERCENT AGE OF ATTAINMENT
CO1	92.48
CO2	92.48
CO3	92.44
CO4	92.5
CO5	92.7



COURSE ATTAINMENT FOR B.Sc. ,Microbiology

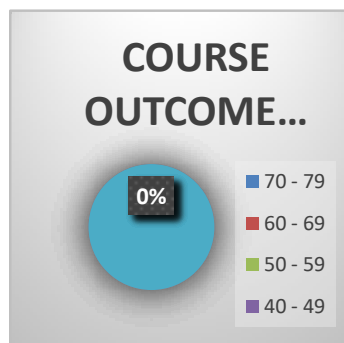
SUBJECT NAME: MEDICAL MICROBIOLOGY

SUBJECT CODE: 16SCCMB5

NO. OF STUDENTS: 36

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARK	NO. OF STUDENTS	STATUS
90 & ABOVE	0	OUTSTANDING
80 - 89	0	EXCELLENT
70 - 79	3	DISTINCTION
60 - 69	4	VERY GOOD
50 - 59	8	GOOD
40 - 49	6	AVERAGE
BELOW 40	15	RA

COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARK	PERCENTAGE	STATUS
70 - 79	8.30%	DISTINCTION
60 - 69	11.10%	VERY GOOD
50 - 59	19%	GOOD
40 - 49	13.80%	AVERAGE
0- 40	41.60%	RA



PROGRAM OUTCOME B.Sc:Microbiology

PO1	Demonstrate holistic knowledge on the various facets of microbiology.
PO2	Make use of fundamental skills such as cultivating microorganisms, keeping bacteria, handling microbes safely,
PO3	Apply microbiological principles to a wide range of fields such as medicine, industry, environment, genetics,
PO4	Apply microbiological principles to a wide range of fields such as medicine, industry, environment, genetics,
PO5	Engage in lifelong learning in the broadest context of scientific advancement.

COURSE :BASIC MICROBIOLOGY SUB CODE:16SACMB1

CO1	Establishment of fields of medical microbiology.Immunology and
CO2	Whittaker's five kingdom.Diversity of Microbial world.
CO3	History of phycology.ultra structure, pigments, flagella.cycle of Chlamydomonas and Spirogyra.
CO4	Apply microbiological principles to a wide range of fields such as medicine, industry, environment, genetics,
CO5	Protozoa, Viruses, Viroids and Prions.TMV, poliovirus.

PO →	PO1	PO2	PO3	PO4	PO5
CO1	3	3	1	2	1
CO2	2	3	2	2	3
CO3	3	3	1	3	2
CO4	2	2	1	2	2
CO5	3	1	2	2	3
AVERAGE	2.6	2.4	1.4	2.2	2.2

INTERNAL EXAMINATION MARK DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)		
	UNIT TEST (15)	SEMINAR (5)	ASSIGNMENT (5)
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
TOTAL	15	5	5

S.NO	REG.NO	NAME	CO1	CO2	CO3	CO4	CO5	TOTAL	% TO TOTAL INTERNAL MARKS
1	CB19S 193111	AARTH.M	4	4	4	4	4	20	40
2	CB19S 193112	ABINA.S	4	5	4	3	3	16	35
3	CB19S 193113	ANANTH.M	5	5	5	5	3	15	38
4	CB19S 193114	APOORVA.A	5	5	5	5	3	21	44
5	CB19S 193115	ARUNA.M	4	4	4	4	4	22	42
6	CB19S 193116	ASFIYA.J	3	4	3	3	5	15	33
7	CB19S 193117	SIDDIQA.M	5	5	5	3	5	20	43
8	CB19S 193118	NL.V	3	3	4	4	5	20	39
9	CB19S 193119	DEEPA.P	4	4	4	3	4	15	34
10	CB19S 193120	DHARANID	3	3	3	5	5	15	34
11	CB19S 193121	DHEETCHIKA.S	4	4	4	4	4	23	80
12	CB19S 193122	DIVYA.A	5	5	5	3	5	16	64
13	CB19S 193123	EZHILRANI.K	5	5	5	3	5	20	60
14	CB19S 193124	GAYATHRI.B	5	5	5	3	5	24	84
15	CB19S 193125	HARINE.V	3	3	5	5	5	20	88
16	CB19S 193126	JAYASRLS	5	5	4	3	3	17	60
17	CB19S 193127	KALADEVLS	5	5	4	3	3	18	80
18	CB19S 193128	KAVIYA.G	5	5	4	3	3	20	80
19	CB19S 193129	KAVIYA.N	5	5	4	3	3	15	60
20	CB19S 193130	KEERTHANA.E	5	5	3	5	5	20	60

21	CB19S 193131	.S	5	5	3	5	5	20	92
22	CB19S 193132	HARSHINI.DA	5	5	4	3	3	15	64
23	CB19S 193133	NI.U	5	4	5	3	4	23	80
24	CB19S 193134	S	3	5	4	4	4	23	96
25	CB19S 193135	WINSEAYA.V	5	5	5	4	5	18	80
26	CB19S 193136	NITHIKA.B	4	4	4	4	4	23	68
27	CB19S 193137	OVIYA.M	4	4	4	4	4	20	72
AVERAGE			4.37	4.48	4.18519	3.74	4.11		

ATTAINMENT IN EACH CO - 85%

CO	INT. EXAM+	END SEM	TOTAL	%
CO1	4.47	75	79.47	93.49
CO2	4.27	75	79.27	93.26
CO3	4.31	75	79.31	93.31
CO4	3.77	75	78.77	92.67
CO5	4.05	75	79.05	93

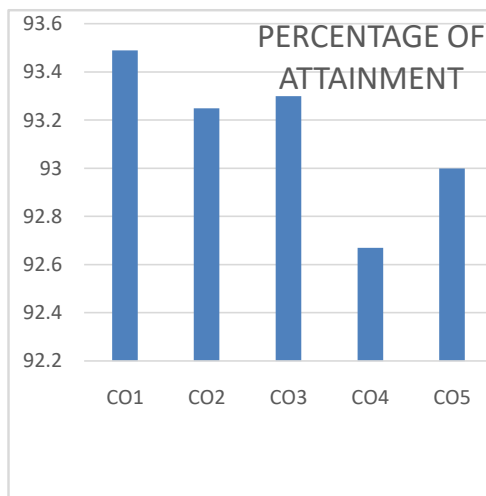
COURSE ATTAINMENT FOR B.SC., MICROBIOLOGY

SUBJECT NAME :BASIC MICROBIOLOGY

SUBJECT CODE :16SACMB1

NO.OF

COURSE OUTCOME
CO1
CO2
CO3
CO4
CO5

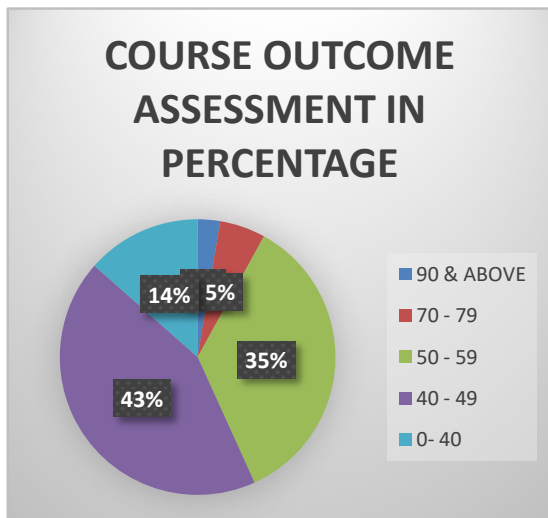


COURSE ATTAINMENT FOR B.Sc. BIOTECHNOLOGY

**SUBJECT
 NAME: BASIC
 MICROBIOLOG
 Y
 SUBJECT
 CODE:
 16SACMB1**

NO. OF STUDENTS		STATUS
1		OUTSTANDING
0		EXCELLENT
2		DISTINCTION
0		VERY GOOD
13		GOOD
16		AVERAGE
5		RA

PERCENTAGE		STATUS
2.70%		OUTSTANDING
5.50%		DISTINCTION
36%		GOOD
44.40%		AVERAGE
13.80%		RA



PO1	Demonstrate holistic knowledge on the various facets of microbiology.
PO2	Make use of fundamental skills such as cultivating microorganisms, keeping bacteria, handling microbes safely, following proper microbiological procedures, and so on.
PO3	Apply microbiological principles to a wide range of fields such as medicine, industry, environment, genetics, agriculture, food, and others.
PO4	Demonstrate key practical competences in dealing with microorganisms for research purposes.
PO5	Analyze microbe-related problems, communicate them to peers/team members/other stakeholders and implement corrective actions.

COURSE : Molecular biology and Microbial genetics SUB CODE 16SCCMB7

COURSE OUTCOME

CO1	Nucleus & Chromosomes,3 dimensional organization of cytoskeleton,chromatin,allele, loci, gene. Nuclear division.
CO2	Organization of Chromosomes,chromosomal abnormalities and qualitative inheritance.Somatic cell genetics.
CO3	Central dogma of Molecular Biology,Transcription – Prokaryotic & Eukaryotic Transcription.Translation - Factors involved in translation.
CO4	Prokaryotic and Eukaryotic DNA replication.Mechanism of DNA replication.Enzymes & proteins
CO5	Regulation of gene expression.gene loss, gene amplification, gene rearrangement.

PO →	PO1	PO2	PO3	PO4	PO5
CO1	2	3	1	2	2
CO2	3	3	3	1	2
CO3	2	3	2	3	1
CO4	2	3	2	2	2
CO5	3	3	3	1	2
AVERAGE	2.4	3	2.2	1.8	1.8

κ DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)	SEMINAR (5)	GNMENT (5)
	UNIT TEST (15)		
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
TOTAL	15	5	5

SNO	REG. NO	NAME	CO1	CO2	CO3	CO4	CO5	TOTAL	% TO TOTAL INTERNAL MARK
1	CB18S 253858	HEMALATHA.V	5	5	4	4	5	23	92

2	CB18S 253859	HENSIYA.J	4	4	4	4	4	20	80
3	CB18S 253860	ISHWARYA.B	4	4	4	4	4	20	80
4	CB18S 253861	JANANI.B	4	4	4	4	4	20	80
5	CB18S 253862	JANANI.S	4	5	4	5	5	23	92
6	CB18S 253863	JAYABHARATH I.G	4	4	4	4	4	20	80
7	CB18S 253864	KARTHIKA.A	4	4	4	4	4	20	80
8	CB18S 253865	KAYATHRI.K	3	3	3	3	4	21	84
9	CB18S 253866	KEERTHANA.V	3	3	3	3	4	21	84
10	CB18S 253867	.M	5	5	5	5	4	24	96
11	CB18S 253868	MATHUMITHA. G	4	4	4	4	4	20	80
12	CB18S 253870	MUNIESWARI.R	4	4	4	4	4	20	80
13	CB18S 253872	NANDHINI.S	0	0	0	0	0	0	0
14	CB18S 253873	SUNDHARAMB AL.G	5	4	4	5	4	22	88
15	CB18S 253874	NARMATHA.R	5	5	5	5	3	23	92
16	CB18S 253875	PAVITHRA.P	5	4	4	3	4	20	80
15	CB18S 253876	PRAVEENA.M	4	4	4	4	5	21	84
16	CB18S 253877	PRITHIKA.R	4	4	4	4	4	20	80
17	CB18S 253878	SABANA.S	4	4	4	4	4	20	80
18	CB18S 253879	SANGAMITHRA .S	4	4	4	4	4	20	80
19	CB18S 253880	SANGEETHA.G	5	5	5	4	5	24	96
20	CB18S 253881	SATHIYA.M	5	3	4	4	4	20	80
21	CB18S 253882	SELVAPRIYA.S	4	4	4	5	5	22	88
22	CB18S 253883	SHANTHINI.V	4	5	5	5	5	24	96
23	CB18S 253884	SINDHUJA.S	3	4	4	5	5	21	84

24	CB18S 253885	SNEKHA.S	4	4	4	4	4	20	80
25	CB18S 253886	SUBA.B	4	4	4	4	4	20	80
26	CB18S 253887	SUBHASHINI.B	4	5	5	3	4	21	84
27	CB18S 253888	SUMATHI.M	4	4	4	4	4	20	80
28	CB18S 253889	SWETHA.S	4	5	3	4	4	20	80
29	CB18S 253890	TASHNEEM AFIYA.Y	4	5	3	5	5	21	84
30	CB18S 253891	VINOTHA.S	4	4	4	4	4	20	80
31	CB18S 253892	VISALATCHI.S	4	4	4	4	4	20	80
32	CB18S 253893	VISHALINI.T	4	4	4	4	4	20	80
33	CB18S 253894	YUVALAKSHMI .R	4	5	5	3	4	21	84
AVERAGE			4	4.09	3.94286	3.9714286	4.08571429		

ATTAINMENT IN EACH CO - 85%

CO	INT. EXAM+	END SEM	TOTAL	%
CO1	3.81	75	78.81	92.718
CO2	3.83	75	78.83	92.741
CO3	3.69	75	78.69	92.576
CO4	3.78	75	78.78	92.682
CO5	3.86	75	78.86	92.776

COURSE ATTAINMENT FOR B.SC., BIOTECHNOLOGY

SUBJECT NAME :MOLECULAR BIOLOGY AND MICROBIAL GENETICS

SUBJECT CODE :16SCCMB7

NO.OF STUDENTS:34

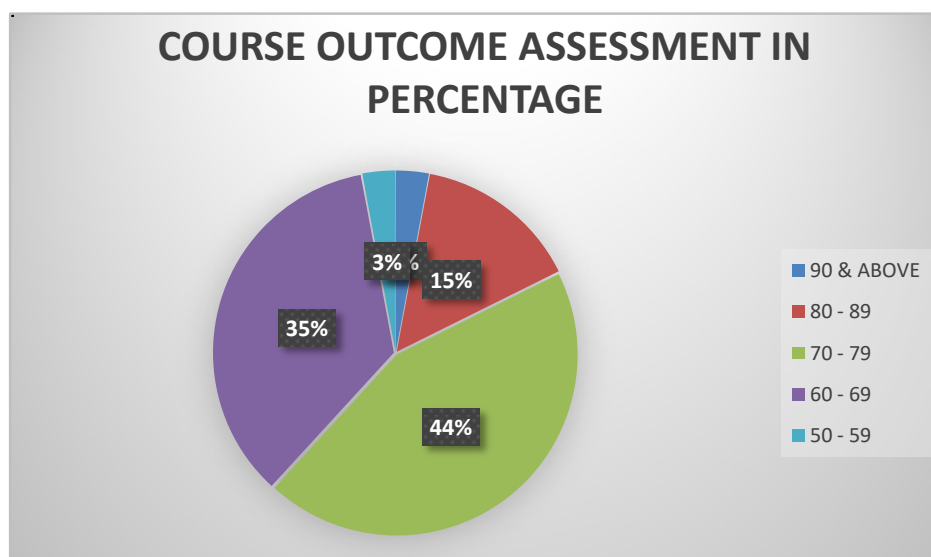
COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	92.71
CO2	92.74
CO3	92.57
CO4	92.68
CO5	92.77

COURSE ATTAINMENT FOR B.Sc., MICROBIOLOG

**SUBJECT NAME: MOLECULAR BIOLOGY AND
MICROBIAL GENETICS
SUBJECT CODE: 16SCCMB7
NO. OF STUDENTS: 34**

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARK)	NO. OF STUDENTS	STATUS
90 & ABOVE	1	OUTSTANDING
80 - 89	5	EXCELLENT
70 - 79	15	DISTINCTION
60 - 69	12	VERY GOOD
50 - 59	1	GOOD
40 - 49	0	AVERAGE
BELOW 40		RA

COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARK)	PERCENTAGE	STATUS
90 & ABOVE	2.94%	OUTSTANDING
80 - 89	14.70%	EXCELLENT
70 - 79	44.10%	DISTINCTION
60 - 69	35.20%	VERY GOOD
50 - 59	3%	GOOD



1	CB18B 214857	SARANYA.D	4	4	4	4	3	23	92
2	CB18B 214858	SARIKA.I	4	4	4	4	4	20	80
3	CB18B 214859	SELVAPRIYA.K	4	4	4	4	4	20	80
4	CB18B 214860	SHAFRIN BANU.Z	4	4	4	4	4	20	80
5	CB18B 214861	SINEKA.R	5	5	5	5	4	24	96
6	CB18B 214862	SIVAPRIYA.S	4	4	4	4	4	20	80
7	CB18B 214863	SIVASAKTHI RAMAJAYAM.S	0	0	0	0	0	0	0
8	CB18B 214864	SNEKA.R	4	4	4	4	4	20	80
9	CB18B 214865	SUMAIYA.A	4	4	4	4	5	21	84
10	CB18B 214866	SURAKSHA.R	4	5	5	5	5	24	96
11	CB18B 214867	SWATHIKA.S	4	5	4	4	4	21	84
12	CB18B 214868	VISHMA.K	4	4	4	4	4	20	80
13	0	0	0	0	0	0	0	0	0
14	CB17B 209771	ABARNA.A	5	4	4	5	4	22	88
15	CB17B 209772	ABIRAMI.R	5	5	4	4	5	23	92
16	CB17B 209774	ARCHANA.M	4	4	4	4	4	20	80
17	CB17B 209775	BHUVANESWA R.I.S	4	4	4	5	4	21	84
18	CB17B 209776	DEVILAKSHMI. K	4	4	4	4	5	21	84
19	CB17B 209777	DIVYA.R	4	4	4	4	4	20	80
20	CB17B 209779	ELAKKIYA.N	4	4	4	4	4	20	80
21	CB17B 209780	ELAVARASI.S	4	5	5	4	4	23	92
22	CB17B 209781	GANGKAVI.G	4	4	4	4	4	20	80
23	CB17B 209782	GAYATHRI.M	4	4	4	4	5	21	84
24	CB17B 209783	GOPIKA.G	5	5	5	5	4	24	96
25	CB17B 209784	JASMINE.A	4	4	4	4	5	21	84

26	CB17B 209785	JASMINE.S	4	4	4	4	4	20	80
27	CB17B 209786	KAMALIA	4	4	4	4	4	20	80
28	CB17B 209787	KANITHA.A	4	4	4	5	4	21	84
29	CB17B 209789	KIRUBA DEVL.R	4	4	4	4	4	20	80
30	CB17B 209791	MATHUMATHI. B	0	0	0	0	0	0	0
31	CB17B 209793	NANCY.S.R	4	4	4	4	4	20	80
	CB17B 209794	NIVETHITHA.N						21	84
32	CB17B 209795	PANDEESWARI. P	4	4	4	4	4	20	80
33	CB17B 209796	PAVITHRA.P.S	3	4	3	3	3	16	64
34	CB17B 209797	PIRITHIKA.A	4	4	4	4	3	19	76
35	CB17B 209798	PREMI.S	3	3	4	4	4	18	72
36	CB17B 209799	RAMYA.S	3	3	3	4	4	17	68
AVERAGE			3.6944	3.78	3.72222	3.8055556	3.75		

ATTAINMENT IN EACH CO - 85%

CO	INT. EXAM+	END SEM	TOTAL	%
CO1	3.69	75	78.69	92.576
CO2	3.78	75	78.78	92.682
CO3	3.72	75	78.72	92.612
CO4	3.81	75	78.81	92.718
CO5	3.75	75	78.75	92.647

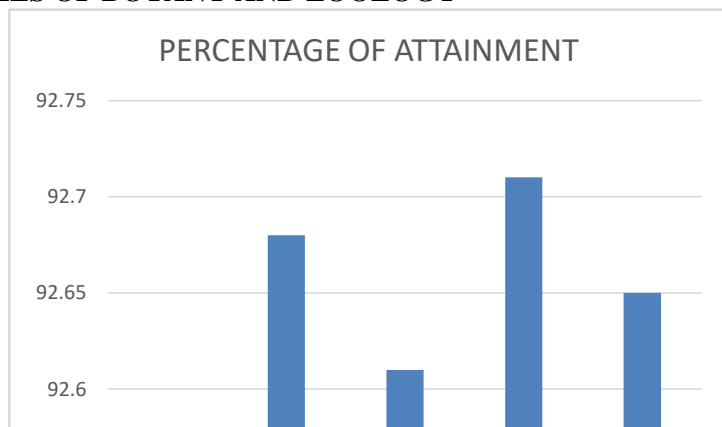
COURSE ATTAINMENT FOR B.SC., MICROBIOLOGY

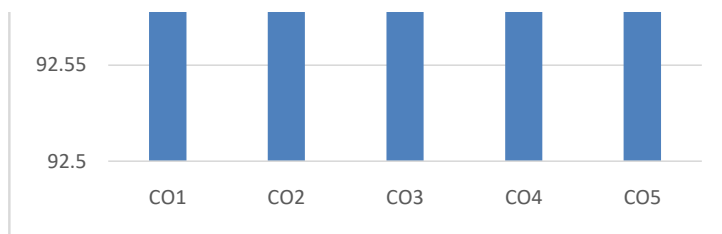
SUBJECT NAME : FUNDAMENTALS OF BOTANY AND ZOOLOGY

SUBJECT CODE :16SMBEMB1

NO.OF STUDENTS:36

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	92.58
CO2	92.68
CO3	92.61
CO4	92.71
CO5	92.65

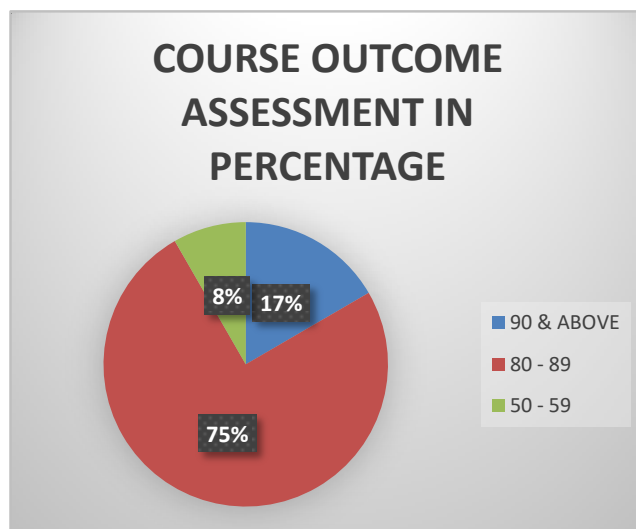




MENT FOR B.Sc. BIOTECHNOLOGY
SUBJECT NAME: FUNDAMENTALS OF BOTANY
AND ZOOLOGY
SUBJECT CODE: 16SMBEMB1
NO. OF STUDENTS: 33

COURSE OUTCOME ASSESSMENT		
MARK CATEGORY	NO. OF STUDENTS	STATUS
90 & ABOVE	6	OUTSTANDING
80 - 89	27	EXCELLENT
70 - 79	0	DISTINCTION
60 - 69	0	VERY GOOD
50 - 59	3	GOOD
40 - 49	0	AVERAGE
BELOW 40	0	RA

COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
MARK CATEGORY	PERCENTAGE	STATUS
90 & ABOVE	16.60%	OUTSTANDING
80 - 89	75.00%	EXCELLENT
50 - 59	8%	GOOD



PROGRAM OUTCOME

PO1	Demonstrate holistic knowledge on the various facets of microbiology.
PO2	Make use of fundamental skills such as cultivating microorganisms, keeping bacteria, handling microbes safely, following proper microbiological procedures, and so on.
PO3	Apply microbiological principles to a wide range of fields such as medicine, industry, environment, genetics, agriculture, food, and others.
PO4	Demonstrate key practical competences in dealing with microorganisms for research purposes.
PO5	Engage in lifelong learning in the broadest context of scientific advancement.

COURSE : Recombinant DNA Technology

COURSE CODE :16SMBEMB2

COURSE OUTCOME

CO1	Introduction to genetic engineering and recombinant DNA technology
CO2	Plasmids, Phage vectors, Cosmids, Phagemids, Virus vectors, Shuttle vectors and expression vectors-
CO3	DNA amplification using polymerase chain reaction (PCR)
CO4	Analysis of recombinant DNA - Selection methods – antibiotics, expression basis, GUS expression
CO5	Gene therapy – Haemopoietic cells, genetically engineered bone marrow cells, skin fibroblasts,

PO →	PO1	PO2	PO3	PO4	PO5
CO1	3	2	2	2	1
CO2	3	2	3	2	2
CO3	3	2	1	3	1
CO4	3	3	2	2	2
CO5	3	3	3	3	2
AVERAGE	3	2.4	2.2	2.4	1.6

κ DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)						
	UNIT TEST (15)		SEMINAR (5)			GNMENT (5)	
CO1	3		1			1	
CO2	3		1			1	
CO3	3		1			1	
CO4	3		1			1	
CO5	3		1			1	
TOTAL	15		5			5	

SNO	REG. NO	NAME	CO1	CO2	CO3	CO4	CO5	TOTAL	% TO TOTAL INTERNAL MARK
1	CB18C 57867	SOUMIYA.R	4	4	5	5	4	22	88

2	CB18C 57868	SRIMATHI.M	4	5	4	4	5	22	88
3	CB18C 57869	THENMOZHLS	4	4	4	4	5	21	84
4	CB18C 57870	UMABHARATHI.V	5	5	4	3	4	22	88
5	CB18C 57871	VANMATHI.A	5	5	4	4	4	22	88
6	CB18C 57872	VARSHINI.N	5	4	4	4	4	21	84
7	CB18C 57874	VIDHYA.V	4	4	5	5	5	23	92
8	CB18C 57875	VIJAYALAKSH.MLT	5	5	5	5	4	24	96
9	CB18C 57876	WASIFA.J	5	5	5	4	5	24	96
10	CB17C 46066	ABZANA BARWIN.S	5	5	5	4	3	22	#REF!
11	CB17C 46068	ANITHA.A(1.11.1999)	5	5	4	4	4	22	88
12	CB17C 46069	ANITHA.A(12.9.2000)	5	4	4	4	4	21	88
13	CB17C 46070	ATCHAYA.P	5	5	5	3	3	21	84
14	CB17C 46071	ATCHAYA.R	4	4	4	4	5	21	84
15	CB17C 46072	DHARANI.P	4	4	5	4	4	21	84
16	CB17C 46073	DURGA.K	4	5	4	4	4	21	84
17	CB17C 46074	FAHIMA.M	5	5	5	5	4	24	84
18	CB17C 46075	ILAYA NILA.K	5	5	4	4	4	22	96
19	CB17C 46076	JACQULINE VANAROJA.J	5	5	5	4	5	24	88
20	CB17C 46077	JENISHA MARY.J	5	5	5	4	5	24	96
21	CB17C 46078	JENSLJ	5	5	4	4	4	22	96
22	CB17C 46079	JULIE.A	4	4	5	5	5	22	88
23	CB17C 46080	KARTHIKA.B	4	5	5	4	4	22	88
24	CB17C 46081	KEERTHANA.A	5	5	5	4	5	24	88
25	CB17C 46082	KEERTHIKA.M	5	5	4	4	3	21	96

26	CB17C 46083	LAKSHMIPRIYA R	5	5	5	5	4	24	84
27	CB17C 46084	LOGALAKSHMI A	4	4	4	5	5	22	96
28	CB17C 46085	MADHUMITHA G	4	4	5	5	5	22	88
29	CB17C 46086	MAHA.S	4	5	5	5	5	24	88
30	CB17C 46088	MANOTHINIS	5	5	5	4	4	23	96
AVERAGE			4.60	4.64	4.57	4.23	4.30		92

ATTAINMENT IN EACH CO - 85%

CO	CB17C 46093	END SEM	TOTAL	%
CO1	CB17C 46094	75	75	88.235
CO2	CB17C 46095	75	75	88.235
CO3	4.58	75	79.58	93.624
CO4	4.25	75	79.25	93.235
CO5	4.32	75	79.32	93.318

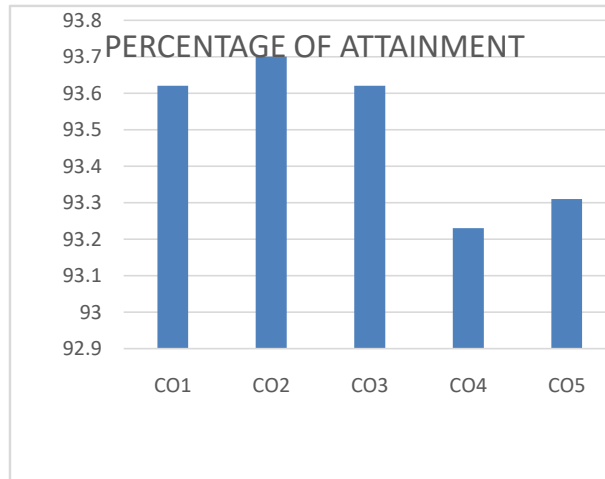
COURSE ATTAINMENT FOR B.SC., MICROBIOLOGY

SUBJECT NAME :r DNA TECHNOLOGY

SUBJECT CODE :16SCCBT3

NO.OF

COURSE OUTCOME
CO1
CO2
CO3
CO4
CO5



COURSE ATTAINMENT FOR B.Sc. BIOTECHNOLOGY

SUBJECT NAME: RECOMBINANT DNA

TECHNOLOGY

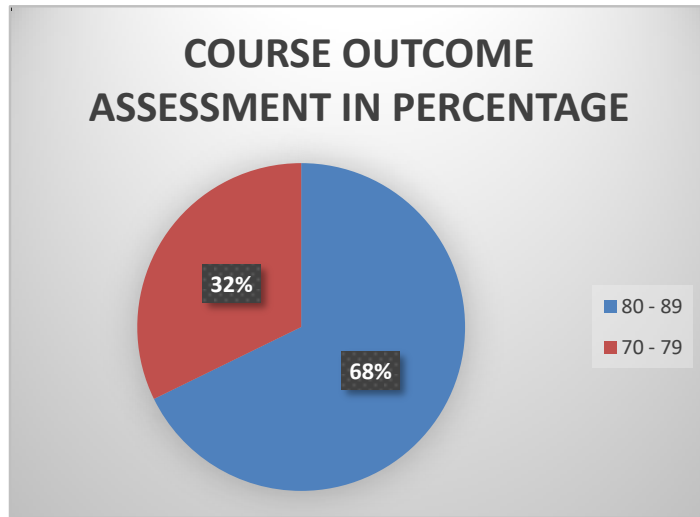
SUBJECT CODE: 16SMBEMB2


NO. OF STUDENTS: 21

NO. OF STUDENTS	STATUS
0	NOTSTANDING
21	EXCELLENT
10	DISTINCTION

0	VERY GOOD	
0	GOOD	
0	AVERAGE	
0	RA	

PERCENTAGE	STATUS
67.70%	EXCELLENT
32.20%	DISTINCTION




PRINCIPAL
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