

PG and Research Department of Biotechnology
Attainment 2023-24
Odd

Course: 23UBT101 / CORE PAPER 1 – CELL BIOLOGY AND GENETICS

Class Strength=40	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	40	40	40
Target %	60	60	60
No. of students scored <40	26	23	19
No. of students scored 40-59	8	11	8
No. of students scored 60-79	3	2	2
No. of students scored ≥80	-	-	

CIA I – 23.12 , CIA II– 22.5 , ESE – 36.25

Department: Biotechnology

Academic year: 2023-24 (Odd)

Course: Lab in cell biology, genetics and microbiology (22UBT2CL) (odd)

Class Strength=43	CIA I	ESE
No of CO's	5	5
Threshold	40	40
Target %	80	80
No. of students scored <40	22	15
No. of students scored 40-59	21	19
No. of students scored 60-79	-	-
No. of students scored ≥80	-	-

CIA I – 50, ESE – 39.53

Course: Major – Enzymology and Metabolism (22UBT304) (Even)

Class Strength=42	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	13	15	3
No. of students scored 40-59	12	6	17
No. of students scored 60-79	-	-	17
No. of students scored ≥80	-	-	1

CIA I – 14.88, CIA II– 12.5, ESE – 45.23

Course: Major- Molecular Biology (22UBT305)

Class Strength=42	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	11	6	-

No. of students scored 40-59	13	21	5
No. of students scored 60-79	3	1	29
No. of students scored ≥ 80	-	-	4

CIA I – 16.07, CIA II–16.66, ESE – 45.23

Course: 21UBT507- IMMUNOLOGY

Class Strength=25	CIA I	CIA 2	ESE
No of CO's	4	4	5
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	5	7	-
No. of students scored 40-59	14	13	5
No. of students scored 60-79	2	1	19
No. of students scored ≥ 80	-	-	-

CIA I – 21, CIA II – 21, ESE – 48

Course: 21UBT508- PLANT AND ANIMAL BIOTECHNOLOGY

Class Strength=25	CIA I	CIA 2	ESE
No of CO's	4	4	5
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	11	7	-
No. of students scored 40-59	2	7	14
No. of students scored 60-79	-	1	10
No. of students scored ≥ 80	-	-	-

CIA I –13, CIA II – 15, ESE – 48

Course: 21UBT509 / Core Paper 9 - GENOMICS AND PROTEOMICS

Class Strength=49	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	40	40	40
Target %	60	60	60
No. of students scored <40	11	14	-
No. of students scored 40-59	14	10	6
No. of students scored 60-79	-	1	16
No. of students scored ≥ 80	-	-	3

CIA I – 56, CIA II–44, ESE – 100

Course: Major Elective I - IPR, Biosafety and Bioethics (23UBT5E1)

Class Strength=28	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	40	40	40

Target %	60	60	60
No. of students scored <40	9	3	-
No. of students scored 40-59	10	10	7
No. of students scored 60-79	07	13	19
No. of students scored ≥80	1	1	1

CIA I : 24.10; CIA II : 24.10; ESE:48.21

Course: 23PBT101 / CORE PAPER 1 - BIOCHEMISTRY

Class Strength=16	CIA I	CIA 2	ESE
No of CO's	4	4	4
Threshold	40	40	40
Target %	60	60	60
No. of students scored <40	5	5	3
No. of students scored 40-59	11	11	12
No. of students scored 60-79	-	-	-
No. of students scored ≥80	-	-	-

CIA I - 25, CIA II - 25, ESE - 46.87

Course: 23PBT102 / CORE PAPER 2 – BIOLOGY OF CELL

Class Strength=16	CIA I	CIA 2	ESE
No of CO's	4	4	4
Threshold	40	40	40
Target %	60	60	60
No. of students scored <40	1	1	2
No. of students scored 40-59	9	9	13
No. of students scored 60-79	5	5	-
No. of students scored ≥80	-	-	-

Course: 23PBT103 / CORE PAPER 3 – Applied Microbiology

Class Strength=16	CIA I	CIA 2	ESE
No of CO's	4	4	4
Threshold	40	40	40
Target %	60	60	60
No. of students scored <40	6	6	5
No. of students scored 40-59	8	8	10
No. of students scored 60-79	2	2	-
No. of students scored ≥80	-	-	-

CIA I - 25, CIA II - 25, ESE - 46.87

Course: CORE PRACTICAL 1- LAB IN MICROBIOLOGY AND CELLULAR BIOLOGY
(23PBT1CL) (odd)

Class Strength=16	Internal	ESE
No of CO's	5	5
Threshold	50	50

Target %	80	80
No. of students scored <40	-	-
No. of students scored 40-59	8	-
No. of students scored 60-79	7	12
No. of students scored ≥80	-	3

CIA I – 50, ESE – 50

Course: Major Elective 1 - Plant Therapeutics and photoproducts (23PBT1E1) (odd)

Class Strength=16	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	-	-	-
No. of students scored 40-59	12	10	2
No. of students scored 60-79	2	3	11
No. of students scored ≥80	-	-	-

CIA I – 21.87, CIA II–20.31, ESE – 40.62

Course: 22PBT308 / CORE PAPER 8- PLANT AND ANIMAL TRANSGENICS

Class Strength=13	CIA I	CIA 2	ESE
No of CO's	4	4	5
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	5	4	-
No. of students scored 40-59	7	7	2
No. of students scored 60-79	-	-	11
No. of students scored ≥80	-	-	-

CIA I – 23.07, CIA II – 21.15 , ESE – 50

Course: Core Paper 9 – Industrial Application Biotechnology (23PBT309)

Class Strength=13	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	-	-	-
No. of students scored 40-59	3	8	-
No. of students scored 60-79	6	5	12
No. of students scored ≥80	-	-	1

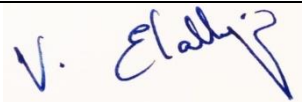
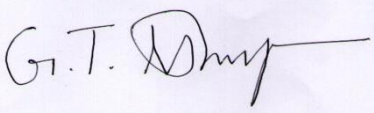
CIA I – 17.30, CIA II–25, ESE – 50

Course	CIA 1 Target	CIA2 Target	POA % = 25 % of I CIA *+ 25 % of II CIA* + 50% of ESE*	Target	Attainment (yes or No)
23UBT101 / CORE PAPER 1 – CELL BIOLOGY AND GENETICS	60	60	$23.12+22.5+36.25=81.87$	60	Yes
Enzymology and Metabolism (22UBT304)	60	60	$14.88 + 12.5 + 45.23 =$ 72.61	60	Yes
Molecular Biology (22UBT305)	60	60	$16.07 +16.66 + 45.23 =$ 77.96	60	Yes
21UBT507- IMMUNOLOGY	60	60	$21+ 21+ 48= 90$	60	Yes
21UBT508- PLANT AND ANIMAL BIOTECHNOLOGY	60	60	$13 + 15 + 48= 76$	60	Yes
21UBT509 / Core Paper 9 – Genomics and Proteomics	60	60	$14+11+50=75$	60	Yes
IPR, Biosafety and Bioethics (23UBT5E1)	60	60	$24.10+24.10+50.0= 96.41$	60	Yes
Core Paper 1 – Biochemistry (23PBT101)	60	60	$25+25+46.87=96.87$	60	Yes
Core Paper 2 - Biology of Cell (23PBT102)	60	60	$23.43+23.43+46.87=93.73$	60	yes
Core Paper 1 – Biochemistry (23PBT101)	60	60	$25+25+46.87=96.87$	60	Yes
23PBT104 - Core Paper 4- Bioinformatics	100	60	100	60	Yes
Major Elective 1 - Plant Therapeutics and photoproducts	60	60	$21.87+20.31+40.62 =82.8$	60	Yes

(23PBT1E1)					
Plant And Animal Transgenics (22PBT308)	60	60	$23.07 + 21.15 + 50 = 94.22$	60	Yes
Industrial Application Biotechnology (23PBT309)	60	60	$17.30 + 25 + 50 = 92.3$	60	Yes

Course	Internal	POA % = 50 % of Internal *+ 50% of ESE*	Target	Attainment (yes or No)
Lab in cell biology, genetics and microbiology (22UBT2CL)	100	$50 + 39.53 = 89.53$	80	Yes
22UBT4CM - Core Practical 2 - Lab in Enzymology, Molecular Biology and rDNA Technology	100	$50 + 50 = 100$	80	Yes
23PBT1CL/CORE PRACTICAL 1- LAB IN MICROBIOLOGY AND CELLULAR BIOLOGY	100	$50 + 50 = 100$	80	Yes
22PBT2CL Core Practical 4 - Lab in Plant and Animal Biotechnology	100	$50 + 50 = 100$	80	Yes
22PBT3CL Core Practical 5 -Lab in Applied Biotechnology	100	$50 + 50 = 100$	80	Yes

Signature of the Faculties**Signature of HoD**

Faculty Name	Signature
Dr. A.U. Thangavelu	
Dr. R. Sathish Kumar	
Dr. B. Vishnupriya	
Dr. S. Dinesh Kumar	
Dr. R. Arvindhganth	
Dr. V. Elakkiya	
Dr.G.T.Iswariya	

PG and Research Department of Biotechnology
Attainment 2023-24
Even

Department: Biotechnology I UG (II Sem)

Academic year: 2023-2024 (EVEN)

Course: 23UBT202/C.Pr.2 - Bioinstrumentation

Class Strength=38	CIA I	CIA 2	ESE
No of CO's	4	4	4
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	19	16	16
No. of students scored 40-59	8	7	18
No. of students scored 60-79	11	13	2
No. of students scored >=80	-	-	-

CIA I – 100, CIA II– 94.73, ESE – 94.73

Course: Major – Microbiology (23UBT203) (Even)

Class Strength=43	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	13	15	11
No. of students scored 40-59	11	8	15
No. of students scored 60-79	5	6	8
No. of students scored >=80	-	-	-

CIA I – 16.86, CIA II–16.86, ESE – 39.53

Course: r-DNA technology (22UBT406)

Class Strength=41	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	40	40	40
Target %	60	60	60
No. of students scored <40	6	11	3
No. of students scored 40-59	5	6	17
No. of students scored 60-79	2	5	17
No. of students scored >=80	-	-	3

CIA I : 7.92; CIA II : 13.41 ; ESE: 48.78

Course: Herbal Technology and Hydroponics (22UBT4S2) (Even)

Class Strength=41	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	50	50	50
Target %	60	60	60

No. of students scored <40	12	14	1
No. of students scored 40-59	20	21	9
No. of students scored 60-79	3	2	25
No. of students scored ≥80	-	-	6

CIA I – 21.34, CIA II–22.56, ESE – 50

Course: 23UBT610/CORE PAPER 10- BIOPROCESS TECHNOLOGY

Class Strength=49	CIA I	CIA 2	ESE
No of CO's	4	4	4
Threshold	40	40	40
Target %	60	60	60
No. of students scored <40	3	3	-
No. of students scored 40-59	11	8	-
No. of students scored 60-79	10	14	13
No. of students scored ≥80	-	-	12

CIA I – 84, CIA II–88, ESE – 100

Course: 23UBT611 / CORE PAPER 11 – BIOPHARMACEUTICALS

Class Strength=25	CIA I	CIA 2	ESE
No of CO's	4	4	4
Threshold	40	40	40
Target %	60	60	60
No. of students scored <40	8	9	5
No. of students scored 40-59	16	16	19
No. of students scored 60-79	1	-	1
No. of students scored ≥80	-	-	

CIA I – 25, CIA II–25, ESE – 50

Course: 21UBT6E2/Major Elective 2 – Molecular Diagnosis

Class Strength=25	CIA I	CIA 2	ESE
No of CO's	4	4	4
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	5	8	24
No. of students scored 40-59	9	11	1
No. of students scored 60-79	9	6	-
No. of students scored ≥80	-	-	-

CIA I – 23, CIA II–23, ESE – 50

Course: 21UBT6S3/Skill Based Subject 3 – BioBusiness and Project Management

Class Strength=25	CIA I	CIA 2	ESE
No of CO's	4	4	4
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	5	3	20
No. of students scored 40-59	6	9	5
No. of students scored 60-79	12	13	-
No. of students scored >=80	-	-	-

CIA I –92, CIA II–100, ESE – 100

Course: Lab in Bioprocess technology & Biopharmaceuticals (23UBT6CO) (Even)

Class Strength=28	CIA I	ESE
No of CO's	5	5
Threshold	40	40
Target %	80	80
No. of students scored <40	1	1
No. of students scored 40-59	7	9
No. of students scored 60-79	10	13
No. of students scored >=80	10	5

CIA I – 50, ESE – 50

Course: 23PBT205 / CORE PAPER 5 – Molecular Biology and Human Genetics

Class Strength=16	CIA I	CIA 2	ESE
No of CO's	4	4	4
Threshold	40	40	40
Target %	60	60	60
No. of students scored <40	6	2	2
No. of students scored 40-59	9	11	6
No. of students scored 60-79	-	1	-
No. of students scored >=80	-	-	-

CIA I – 23.43, CIA II – 21.87, ESE - 25

Course: 23PBT206 / CORE PAPER 6 – Genetic Engineering

Class Strength=16	CIA I	CIA 2	ESE
No of CO's	4	4	4
Threshold	40	40	40
Target %	60	60	60
No. of students scored <40	3	5	1
No. of students scored 40-59	3	8	9
No. of students scored 60-79	-	2	-
No. of students scored >=80	-	-	-

CIA I – 9.37, CIA II – 23.43, ESE – 31.25

Course: 23PBT207 / CORE PAPER 7 – Immunology and Immunotechnology

Class Strength=16	CIA I	CIA 2	ESE
No of CO's	4	4	4
Threshold	40	40	40
Target %	60	60	60
No. of students scored <40	4	7	6
No. of students scored 40-59	10	8	9
No. of students scored 60-79	1	-	-
No. of students scored ≥80	-	-	-

CIA I – 23.43, CIA II – 23.43, ESE – 46.875

Course: Major Elective 2 – Marine and Algal Biotechnology (23PBT1E1) (Even)

Class Strength=16	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	-	-	-
No. of students scored 40-59	10	9	4
No. of students scored 60-79	4	4	11
No. of students scored ≥80	-	-	-

CIA I – 21.87, CIA II–20.31, ESE – 46.87

Course: Core Paper 11- Pharmaceutical Biotechnology (23PBT411) (Even)

Class Strength=13	CIA I	CIA 2	ESE
No of CO's	5	5	5
Threshold	50	50	50
Target %	60	60	60
No. of students scored <40	-	-	-
No. of students scored 40-59	8	9	2
No. of students scored 60-79	4	2	11
No. of students scored ≥80	-	-	-

CIA I – 23.07, CIA II–21.15, ESE – 50

Course	CIA 1 Target	CIA2 Target	POA % = 25 % of I CIA *+ 25 % of II CIA* + 50% of ESE*	Target	Attainment (yes or No)
23UBT202/C.Pr.2 - Bioinstrumentation	60	60	25+23.68+47.36=96.04	60	yes
Microbiology (23UBT203)	60	60	16.86 + 16.86 + 39.53=73.25	60	Yes
r-DNA technology (22UBT406)	60	60	7.92 + 13.41+ 48.78=70.11	60	Yes
Herbal Technology and Hydroponics (22UBT4S2)	60	60	21.34 + 22.56 + 50=93.9	60	Yes
21UBT610/CORE PAPER 10- BIOPROCESS TECHNOLOGY	60	60	21+22+50=75	60	Yes
23UBT611 / CORE PAPER 11 – BIOPHARMACEUTICALS	60	60	25+25+50=100	60	Yes
21UBT6E2/Major Elective 2 – Molecular Diagnosis	60	60	23+23+50 = 96	60	Yes
21UBT6S3/Skill Based Subject 3 – BioBusiness and Project Management	60	60	23+25+50=98	60	yes
Core Paper 5 - Molecular Biology and Human Genetics (23PBT205)	60	60	23.43+21.87+25=70.31	60	Yes
Core Paper 6 - Genetic Engineering (23PBT206)	60	60	9.37+23.43+31.25=64.06	60	Yes
Core Paper 7 - Immunology and Immunotechnology (23PBT207)	60	60	23.43+23.43+46.87=93.75	60	Yes
Major Elective 2-Marine and Algal Biotechnology	60	60	21.87+20.31+46.87=89.0	60	Yes

(23PBT1E1)					
Core Paper 11- Pharmaceutical Biotechnology (23PBT411)	60	60	$23.07+21.15+50 = 94.22$	60	Yes

Course	Internal	POA % = 50 % of Internal *+ 50% of ESE*	Target	Attainment (yes or No)
Lab in Bioprocess technology & Biopharmaceuticals	80	$50+50=100$	80	Yes
23PBT2CM -Core Practical 2- Lab in Molecular Biology and Genetics	80	$50+ 50=100$	80	Yes
23PBT2CN - C. Pr. 3–Lab in Genetic Engineering and Immunotechnology	80	$46.87+46.87=93.75$	80	Yes

Signature of the Faculties**Signature of HoD**

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