KANNUR UNIVERSITY

(Abstract)

B.Sc. Life Sciences (Zoology) & Computational Biology Programme CBCSS (OBE) in St Pius X College, Rajapuram - Incorporating mark and Credit distribution for Theory /Practical courses in the Scheme part - Implemented - w.e.f.2020 admission- Orders issued.

ACADEMIC C SECTION

Acad/C2/16579/NGC/2021 Dated: 06.09.2023

Read:-1.U.O No Acad/C2/16579/NGC/2021 dated 27.01.2021
2.U.O No. Acad/C2/16579/NGC/2021 dated 20.06.2023.
3. U.O.Note No. ES II-1/GENERAL/2023 dtd.09.03.2023.
4. E-mail from Dr.Mahesh Kumar Madathil dated 02.08.2023

ORDER

1. As per paper read (1) above, the Scheme, Syllabus and Pattern of Question Papers for B.Sc. Life Sciences (Zoology) & Computational Biology (CBCSS-OBE) [New Generation Programme] offered at St.Pius X College, Rajapuram was implemented w.e.f 2020 admission and certain modifications were effected as per paper read (2) above.
2. The Examination Branch vide Paper read 3 above, intimated that the scheme part of the approved syllabus of the programme does not contain the internal and external mark split up and requested to incorporate the same.
3. Subsequently the Convener, Expert Committee was requested to submit the same and the Convener, vide Paper read 4 above, submitted the mark and Credit Distribution of B.Sc. Life Science (Zoology) & Computational Biology (CBCSS-OBE) programme for incorporating the same in the Scheme part of the syllabus.
4. The Vice Chancellor, after considering the matter in detail and in exercise of the powers of Academic Council conferred under section 11(1) Chapter III of Kannur University Act 1996, ***accorded sanction to incorporate the mark and Credit Distribution for Theory, Practical and Project courses in the Scheme part and to implement the modified scheme of B.Sc. Life Sciences (Zoology) & Computational Biology Programme CBCSS (OBE), offered at St.Pius X College, Rajapuram, Kasargod w.e.f 2020 admission, and to report the same to the Academic Council.***
5. The modified Scheme part of B.Sc. Life Sciences (Zoology) & Computational Biology Programme CBCSS (OBE), w.e.f 2020, are uploaded on the University website.
6. The U O read (1) & (2) above stands modified to this effect.
7. Orders are issued accordingly.

Sd/-
Narayanadas K
DEPUTY REGISTRAR (ACAD)
For REGISTRAR

To: 1. The Principal
St.Pius X College, Rajapuram, Kasaragod
2. Dr.Mahesh Kumar Madathil (Convenor of Expert Panel)

Copy To: 1. Examination Branch (Through PA to CE)
2. PS to VC/PA to PVC/PA to R, EXCI, ESII
3. Web Manager (for uploading on website), Computer programmer
4. SF/DF/FC

Forwarded /By Order

SECTION OFFICER

KANNUR UNIVERSITY CIVIL STATION P.O. KANNUR Pin-670 002

NEW GENERATION UG PROGRAMME

B.Sc. LIFE SCIENCES (ZOOLOGY) AND COMPUTATIONAL BIOLOGY

CREDIT DISTRIBUTION

Semester	Common		Core		Complementary		Generic Elective Course	Total
	English	Additional	Zoology and Computational Biology	General Awareness Course	Microbiology	Computer Science		
I	4+3	4	4		2	2		19
II	4+3	4	4		2	2		19
III			3	4+4	2	2		15
IV			4+3	4+4	2+4	2+4		27
V			3+3+4+3				2	15
VI			4+4+5+5+5+2					25
Total	**14**	**8**	**56**	**16**	**12**	**12**	**2**	**120**

SCHEME OF MARK DISTRIBUTION

Courses		No. of Courses	Marks per Course	Total Marks
Common	English	4	50	200
	Addl. language	2	50	100
Complementary	Microbiology	5 (4 theory + 1 practical)	40	200
	Computer Science	5 (4 theory + 1practical)	40	200
Core & General Awareness course	Theory	15	50	750
	Practical	3	100 +100 + 100	300
	Project	-	25	25
Generic Elective Course	GEC	1	25	25
Total				**1800**

The internal to external assessment ratio is 1:4.

Theory courses

External Evaluation

The external theory examination of all semesters shall be conducted by the University at the end of each semester.

Scheme of Question Paper

Time: 3 Hours Max. Marks: 40

I.	Short answer	6x1=6 marks
II.	Short notes (Answer 6 out of 8)	6x2= 12 marks
III.	Shor Essay (Answer 4 out of 6)	4x3= 12 marks
IV.	Long essay (2 out of 4)	2x5=10 marks

Internal Assessment

Internal evaluation is to be done by continuous assessment (Maximum: 10 Marks)

1. Test papers (minimum 2) : 5 marks
2. Assignment : 3 marks
3. Seminar : 2 marks

Practical

Practical Paper I examination will be conducted at the end of fourth semester. Papers II and III exams will be at the end of sixth semester. There will be **one external and one internal practical examiner** and a skilled assistant (Internal) for practical examinations.

Scheme of Practical Examinations

Practical I (3B04 ZCB: Zoology Practical-I & 4B06 ZCB: Computational Biology Practical-I)

Time: 3Hours Max.Marks:80

ZOOLOGY

I. Major Experiment	15marks
II. Minor Experiment (with or without sketch)	10marks
III. Spot items (5items) 5x2-	10 Marks
IV. Viva	5 Marks

COMPUTATIONAL BIOLOGY

I. Major Experiment	20marks
II. Minor Experiment	15marks
III. Viva	5 Marks

ZOOLOGY

Zoology Practical III (5B11 ZCB: Zoology Practical II & 6B16 ZCB: Zoology Practical III)

Time:3Hours Max. Marks: 80

I. Major Experiment-	30 marks
II. Minor Experiment	12 marks
III. Minor Experiment	12 marks
IV. Genetics/ Biostatistics Problem (1)	6 marks
V. Spot items(5items) 5x2marks	10 marks
VI. Viva	10 marks

COMPUTATIONAL BIOLOGY

Computational Biology Practical III (5B12 ZCB: Computational Biology Practical II & 6B17ZCB: Computational Biology Practical III)

Time:3Hours Max. Marks: 80

I. Experiment – Major	30 marks
II. Experiment – Minor	20 marks
III. Experiment- Minor	20 marks
IV. Viva	10 marks

Practical: Internal Evaluation (Max Marks 20)

Lab Involvement	: 5marks
Record	: 5 marks
Examination/ Viva	: 10 marks

Scheme of Project Evaluation (Total marks25)
External Evaluation (20marks)

Relevance of topic, Objectives, Methodology and Review of Literature	: 4 marks
Presentation, Quality of analysis, Findings	: 6 marks
Report & Viva	: 10 marks

Internal Assessment (5 marks)

Involvement	: 2 Marks
Presentation	: 2 Marks
Viva	: 1 Mark

NEW GENERATION UG PROGRAMME

B.Sc. LIFE SCIENCES (ZOOLOGY) AND COMPUTATIONAL BIOLOGY

INTERNAL AND EXTERNAL MARK DISTRIBUTION

SCHEME OF MARK DISTRIBUTION

COURSE		INTERNAL MARK	EXTERNAL MARK	TOTAL MARK
CORE- ZOOLOGY- THEORY		10	40	50
CORE- COMPUTATIONAL BIOLOGY- THEORY		10	40	50
PRACTICALS	I	20	80	100
	II	20	80	100
	III	20	80	100
PROJECT		5	20	25
GENERIC ELECTIVE COURSE		5	20	25