

# B.Sc Zoology

## Biological Techniques Complementary Scheme of Question Papers for Theory Examinations.

Time : 3 hours

Total Marks:32

- I. Essay question – from type study/General topics(Answer 1 out of 2) ( 1x6=6 Marks )
- II. Essay Question –from Taxonomy (Answer 1 out of 2) ( 1x6= 6 Marks )
- III. Short essays - (Answer 4 out of 6) ( 4x3= 12 Marks ).
- IV. Short answers,3 or 4 sentences –(Answer 6 out of 9) ( 6x1= 6 Marks).
- IV. One word answers/ fill in the blanks/ MCQ/Match the following Mark 1/set  
(2 sets of 4 questions each)

### Scheme of Practical Examinatins (4 credit courses) (32 Marks)

Time : 3hours

Total Marks: 32

- I. Experiment (with written procedure) 12 Marks
- II. Mounting (with diagram) 6 Marks
- III Spot items (5 items) Marks 2 each
- IV. Record. 4 Marks

### CONTINUOUS ASSESSMENT

(20% of theTotal Marks 40 i.e. 8 Marks is allotted for continuous Assessment)

#### For Theory Courses

Test papers (minimum 2) 4 Marks

Assignment	1 Mark
Seminar/Viva	1 Mark
Attendance	2 Marks

#### For Practical Courses

Lab skill : 2 Marks:
Record: 4 Marks
Attendance: 2 Marks

*(For attendance 75-79% 0.5 Mark; 80-84% 1 Mark, 85-90% 1.5 Mark and >90% 2 Marks.)*

**Continuous Assessment of core courses**  
**20% of total Mark is allotted for internal assessment i.e 10 marks**

**For Theory Courses.**

Test papers (minimum 2) 5 Marks

Assignment	1 Mark
Seminar/Viva	1.5 Mark
Attendance	2.5 Marks

(For attendance 75%-0.5; 76-79% 1. Mark; 80-84% 1.5 Mark, 85-90% 2.0 Mark and >90% 2.5 Marks.)

### III Practical &

## Scheme of Project Evaluation

**Total marks 25 and Credit 2**

- **Internal Assessment ( 5 marks)**

Punctuality	1.mark
Use of data	1. Mark
Scheme/ organization of report.	1.5 marks
Viva-voce	1.5 marks

**2. External (20 marks)**

Relevance of topic,

Statement of objectives,

Methodology (reference/Bibliography). - 4 marks

Presentation, Quality of analysis/Use of statistical tools,

Findings and recommendations- 6.marks

Viva –voce - 10. marks

**Scheme of Practical Examinations  
Practical.I**

Max. Marks: 40

Time: 3 Hours

- Major dissection with display - 12 marks
- Minor dissection/ Mounting (with or without sketch)-5 marks
- Spot items (6 items) - 6x3= 18 marks.
- Record- 5

**Continuous Assessment (Max Marks 10):**

- Lab. Skill - 2.5 Marks
- Attendance- 2.5 Marks
- Record- 5.0 Marks.

*(For attendance 75%-0.5; 76-79% 1.0. Mark; 80-84% 1.5 Marks, 85-90% 2.0 Mark and >90% 2.5 Marks.)*

**Practical II**

Max. Marks :40

Time: 3 Hours

- 1. Major Question ( from cytology/ Ecology) - 10 marks
- 2. Minor . 7 marks
- 3. Genetic Problem. 3 marks
- 4. Spot items ( 5 items)- 5x3 marks 15 marks
- Record. 5 mark

**Continuous Assessment.**

- Lab. Skill 2.5 marks
- Attendance 2.5 marks
- 3. Record 5.0 marks

*(For attendance 75%-0.5; 76-79% 1.0. Mark; 80-84% 1.5 Marks, 85-90% 2.0 Mark and >90% 2.5 Marks.)*

**Practical III**

Max. Marks :40

Time: 4 Hours

- 1. Major Experiment - 10 marks
- 2. Minor . 5 marks
- 3. Statistical Problem. 3 marks
- 4. Spot items ( 4 items)- 4x3 marks 12 marks
- 5. Field work Report 5 marks
- Record 5. Marks

( Project evaluation is conducted along with Practical III as a separate paper )

**Continuous Assessment.**

- Lab. Skill 2.5 marks
- Attendance 2.5 marks
- 3. Record 5.0 marks

*(For attendance 75%-0.5; 76-79% 1.0. Mark; 80-84% 1.5 Marks, 85-90% 2.0 Mark and >90% 2.5 Marks.)*

# B.Sc Physics

## Assessment pattern

A general pattern of assessment as per Kannur University Choice Based CSSUG 2014 will be followed. Accordingly 20% of the total marks will be reserved for internal assessment (IA).

### Internal assessment (Core (physics), Complementary (physics) & Open (physics)):

Internal assessment will include

- Regularity in attending the classes (Attendance)
- Test papers
- Assignment
- Seminar
- Viva

Internal assessment is continuous throughout the semester and to be conducted by the concerned Department in mark system.

### Objectives of Attendance/Test paper/Assignment/Seminar/Viva:

**Attendance:** To develop punctuality in students.

**Test paper:** To assess the hard work/understanding of the subject and thereby to induce students the need for hard work in life.....

**Assignments:** The objectives of assignment in general are to increase the knowledge/ to promote the abilities and skills of the students/ to extend what they know in to new situations/to develop the traits for developing physics/ to reinforce what students have already learned/ to prepare them for forthcoming complex lessons....

**Seminar:** During a seminar assigned readings are discussed, questions raised and debates conducted in order to promote the interaction aspects of life...

**Viva voce:** It is a measure of student's understanding of a subject/their ability to verbally explain the subject to others. (During viva voce a student may be made to face a group of teachers rather than a single teacher as far as possible)...

### Topics for Assignment /Seminar/Viva

Students must be encouraged to familiarize with as much books/Journals/e-journals/internet resources as possible through assignment /seminar/viva. Topics for assignment/Seminar/viva for internal assessment may be given so as to induce them the various traits demanded by the term "Education". It must include topics such as **disaster management, drug abuse, alcoholism, de addiction centers, messages for abstention drug**, besides the subject area in order to remind their social commitments/prevention of social evils.

The total number of test papers/assignment/seminar/viva that may be conducted during a semester is decided by the concerned department depending on the time available/ student's capacity.

**Distribution of internal marks for Theory courses (Core, Complementary & Open).**

Attendance	25%
*Assignment /Seminar/Viva	25%
**Test paper	50 %

\* A minimum of one general assignment and one physics assignment are to be conducted and average mark is to be taken.

\*\* At least two test papers are to be conducted and average of these two is to be taken for awarding marks.

**Distribution of internal marks for Practical courses (Core & Complementary)**

Attendance	25%
* Record + **Lab involvement	50%
Test papers	25%

\*A student is required to maintain a log book of their practical works which must include a brief theory of the each experiment, observations, tabulation, calculation, graph, and result etc., regularly signed by the teacher in charge. Fair record is not required.

\*\*Students may be asked to write a brief report (brief theory, formula, diagram/ circuit diagram, model graph) of each experiment before they enter in to the laboratory. Students must be encouraged to draw a sketch of the apparatus/instruments before they start doing the experiment for better familiarization.

**Distribution of internal and external marks for Project**

Internal (20% of total)	%
Punctuality	20 %
Use of data	20%
Scheme and organization of report	30%
Viva voce	30 %

Attendance %	Marks%
Above 90%	100%
85 to 89%	80%
80 to 84%	60%
76 to 79%	40%
75%	20%

# BA Functional English

## Internal Assessment (CE)

(20% of the total marks in each Course are for Internal Assessment)

1. Model Examination 5 marks (50%)
2. Attendance 2.5 marks (25%)
3. Assignment/Seminar/Viva 2.5 marks (25%)

(Attendance of each Course may be evaluated as

follows) 90% and above 2.5 marks (100%)

85 to 89% 2 marks (80%)

80 to 84% 1.5 marks (60%)

75 to 79% 1 mark (40%)

(No marks for attendance below 75%)

## Distribution of Credits for BA English Language and Literature

Semester	Common Courses		Core Courses	Complementary Courses	Open Course	Total			
	English	II Lang							
1	4	3	4	4	-	19			
2	4	3	4	4	-	19			
3	4	4	4	4	-	20			
4	4	4	4	5	-	21			
5	-	-	5	4	4	4	-	2	19
6	-	-	2	4	4	4	4	-	22
<b>Total</b>	<b>22</b>	<b>16</b>	<b>64</b>			<b>16</b>	<b>2</b>	<b>120</b>	

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# B.Sc Maths

## EVALUATION AND GRADING

The evaluation scheme for each course shall contain two parts; (a) Internal Assessment and (b) External Evaluation. 20% weight shall be given to the internal assessment. The remaining 80% weight shall be for the external evaluation. Evaluation (both Internal and External) is carried out using Mark System instead of direct grading. For each course in the semester letter grade, grade point and % of marks are introduced in 7- point Indirect Grading System. Indirect Grading System in 7 point scale is as below:

### Seven Point Indirect Grading System

% of Marks	Grade	Interpretation	Grade Point Average (G)	Range of Grade Points	Class
90 and above	A+	Outstanding	6	5.5 – 6	First class with Distinction
80 to below 90	A	Excellent	5	4.5 - 5.49	
70 to below 80	B	Very good	4	3.5 - 4.49	First class
60 to below 70	C	Good	3	2.5 - 3.49	
50 to below 60	D	Satisfactory	2	1.5 - 2.49	Second class
40 to below 50	E	Pass / Adequate	1	0.5 - 1.49	Pass
Below 40	F	Failure	0	0 - 0.49	Fail

## INTERNAL ASSESSMENT (IA)

The internal assessment of theory courses, practical courses and project shall be based different components. The components with percentage of marks are as follows:

### 1. Core/Complementary/Open Courses

Sl.No	Components	% of Marks allotted	Marks Allotted		
			Core courses	Complimentary Course	Open course
1	Attendance	25	3	2.5	1.25
2	Assignment/ Seminar/Viva -voce	25	3	2.5	1.25
3	Test paper	50	6	5	2.5
<b>Total</b>		<b>100</b>	<b>12</b>	<b>10</b>	<b>5</b>



(If a fraction appears in internal marks, nearest whole number is to be taken)

- **Assignment/ Seminar/ Viva-Voce:** For each theory course, each student is required to submit an assignment or to present a seminar or to attend a viva-voce based on any topic related to the course concerned. Assignment/ seminar/viva-voce shall be evaluated on the basis of student's performance.
- **Written Tests:** For each theory course there shall be a minimum of two written tests and the average mark of the two tests is to be considered for Internal Mark. Each test paper may have duration of minimum one hour.
- **Attendance:** Attendance of each Course will be evaluated as below:

SN	% of Attendance	% of Marks allotted	Marks Allotted		
			Theory & Practical (Core)	Theory & Practical (Complementary)	Open course
1	Above 90	100	3	2.5	1.25
2	85 to 89	80	2.4	2	1
3	80 to 84	60	1.8	1.5	0.75
4	76 to 79	40	1.2	1	0.5
5	75	20	0.6	0.5	0.25
<b>Total</b>		<b>100</b>	<b>---</b>	<b>--</b>	<b>----</b>

## 2. Project

Sl.No	Components	% of Marks allotted	Marks Allotted
1	Seminar Presentation/ Punctuality	20	1.5
2	Relevance of the Topic and content/ Use of Data	20	1.5
3	Scheme/Organization of Report/Layout	30	2
4	Viva-Voce	30	2
<b>Total</b>		<b>100</b>	<b>7</b>

## M.Sc Maths

### 14. CONTINUOUS ASSESSMENT (CA):

14.1 This assessment shall be based on predetermined transparent system involving periodic written tests, assignments, seminars and attendance in respect of theory courses and based on tests, lab skill, records/viva and attendance in respect of practical courses.

14.2 The percentage of marks assigned to various components for internal evaluation is as follows.

#### Theory

	<b>Components</b>	<b>% of internal marks</b>
i	Two test papers	40
ii	Assignments/Book review/debates	20
iii	Seminars/Presentation of case study	20
iv	Attendance	20

#### Practicals

	<b>Components</b>	<b>% of internal marks</b>
i	Two test papers	40
ii	lab skill	20
iii	records/viva	20
iv	Attendance	20

## **B.Com**

### **Assessment:**

90% of the total marks in each course are for internal assessment. The marks secured in internal assessment only need be sent to university by the colleges concerned. The internal assessment shall be based on a predetermined transparent system involving written test, assignments/ seminars/ Viva and attendance in respect of theory courses and lab involvement and records, tests and attendance in respect of practical courses.

### **Assessment:**

90% of the total marks in each course are for internal assessment. The marks secured in internal assessment only need be sent to university by the colleges concerned. The internal assessment shall be based on a predetermined transparent system involving written test, assignments/ seminars/ Viva and attendance in respect of theory courses and lab involvement and records, tests and attendance in respect of practical courses.

Components with percentage of marks of Internal Evaluation of Theory Courses are-

Attendance 25%, Assignment/ Seminar/Viva 25 % and Test paper 50%

For practical courses- Attendance 25 %, lab involvement and Record 50% and test paper as internal is concerned.

(If a fraction appears in total internal marks, nearest whole number is to be taken)

**Attendance of each course will be evaluated as below-**

% attendance -	100% marks allotted for attendance
100%	80%
75%	60%
50%	40%
25%	20%

For the transparency of the evaluation process, the internal assessment marks awarded to each course in a semester shall be notified on the notice board at least one week before the commencement of external examination. There shall not be any chance for improvement of marks. The course teacher(s) shall maintain the academic record of each student for the course, which shall be forwarded to the University by the college Principal with the signature of both course teacher and HOD.

**Note:** Moderation shall be decided by the concerned Board of examiners.

**Evaluation:**

## **B.Sc Computer Science**

### **Internal Assessment:**

20% of the total marks in each course are for internal assessment. The marks secured for internal assessment only need be sent to university by the colleges concerned. The internal assessment shall be based on a predetermined transparent system involving written test, assignments/ seminars/ Viva and attendance in respect of theory courses and submissions and records, tests and attendance in respect of practical courses. Components with percentage of marks of Internal Evaluation of

#### **Theory Courses are-**

Attendance	- 25%
Assignment/ Seminar/Viva	- 25%
Test paper	- 50%

#### **For practical courses-**

Attendance	- 25%
Submissions and Record	- 25%
Practical Test Paper	- 50%

(If a fraction appears in total internal marks, nearest whole number is to be taken)

Attendance of each course shall be evaluated as below-

<b>Attendance %</b>	<b>% Marks Allotted</b>
Above 90%	100%
85 to 89%	80%
80 to 84 %	60%
75 to 79 %	40%
Less than 75 %	Not eligible for University exam

# MSc.Computer Science

## Programme Structure

3.1 **Attendance:** The minimum attendance required for each course shall be 75% of the total number of classes conducted for that semester. Those who secure the minimum attendance in a semester alone will be allowed to register for the End Semester Examination. Condonation of shortage of attendance may be granted as per Kannur University PG regulation.

3.2 **Credits:** The total minimum credits, required to complete M. Sc. Computer Science programme is 80 in which minimum credits required for core (including practical and project) courses is 60 and for Elective courses is 12.

### 3.3 Theory and Practical courses

The evaluation scheme for each Theory and Practical courses except MCS3C16 Research Methodology shall contain two parts; (a) Continuous Assessment (CA) and (b) End Semester Evaluation (ESE). 20% marks shall be given to CA and the remaining 80 % to ESE. For MCS3C16 Research methodology the evaluation is 100% internal and shall follow the distribution applicable to theory CA.

#### CONTINUOUS ASSESSMENT (CA)

**Theory :**The components of theory evaluation are as follows:

	COMPONENTS	% OF MARKS
i	Test papers	40%
ii	Assignment	20%
iii	Case Study / Seminar / Viva	20%
iv	Attendance	20%

- i. *Test Papers:* There shall be a minimum of two test papers to be conducted for each course. If more than two test papers are conducted, then two best scores shall be taken for the award of IA marks. The dates of test papers shall be announced well in advance and the marks should be displayed in the notice board.
- ii. *Assignments:* One or more assignments (including practical assignments) shall be given for each course. The mode of assessment of the assignments shall be decided by the faculty concerned with due approval from the department council and shall be declared at the beginning of the semester. (It is suggested that to the extent possible, give individual assignments and also conduct short viva based on the assignment submitted).
- iii. *Case study / Seminar / viva:* The faculty with due approval from the department council shall choose one or more from this category, depending on the nature of subject and the mode of assessment is to be declared at the commencement of the semester. For seminar, topics outside but related to the syllabus shall be chosen.
- iv. *Attendance :*

Attendance	% of Marks for attendance
$\geq 90$	100
85 to 89	80
80 to 84	60
76 to 79	40
75	20

**Practical :** The Components of CA for practical courses except Case study I and II are as follows:

	COMPONENTS	% OF MARKS
i	Lab Test (Minimum one)	20%
ii	Completion of the list of Lab assignments prescribed by the faculty	20%
iii	Periodical assessment of Lab assignments through execution of programs and viva	40%
iv	Attendance (Mark distribution is same as that of theory)	20%



# B.Sc Chemistry



## KANNUR UNIVERSITY

*COURSE STRUCTURE*

&

*SYLLABUS*

*FOR*

*UNDERGRADUATE PROGRAMME*

*IN*

*CHEMISTRY*

*CORE & COMPLEMENTARY*

*COURSES*

*CHOICE BASED CREDIT SEMESTER SYSTEM*

*w.e.f 2014 ADMISSION*

Table 5: Distribution of Internal marks for Practical courses

Attendance	25%
Record + Lab involvement*	50%
Test papers	25%

\*On completion of each experiment, a report should be presented to the course teacher. It should be recorded in a bound note-book. The experimental description should include aim, principle, materials/apparatus required/used, method/procedures, and tables of data collected, equations, calculations, graphs, and other diagrams etc. as necessary and final results.

Table 6: Distribution of internal and external marks for Project

Internal (20% of Total)	%	External (80 % of total)	%
Punctuality	20 %	Relevance of Topic/Statement of Objectives and Methodology	20%
Use of data	20%	Presentation/Quality of analysis and findings	30 %
Scheme and Organization of report	30%	Viva Voce	50%
Viva Voce	30 %		

#### Criteria for awarding marks for Attendance:

Table 7: Distribution of marks for attendance

Attendance %	Marks%
Above 90%	100%
85 to 89%	80%
80 to 84%	60%
76 to 79%	40%
75%	20%

#### Grading of students

Internal marks alone need to be sent to the University. External examination will be conducted and assessed by the University using mark system. The semester wise performance called SGPA (Semester Grade Point Average) and overall performance on completion of the programme called CGPA (Cumulative Grade Point Average) of a student will be made by the University by taking the marks of internal and external assessments using a 7 Point Indirect Grading System as per KUCBCSSUG 2014. Finally an overall letter grade (called Cumulative Grade) for the entire programme will be awarded by the University. For the detailed calculations of SGPA, CGPA & Overall letter grade readers are directed to refer KUCBCSSUG 2014.

department. The report has to be presented at the time of practical examination conducted at the end of VI semester for evaluation.

**Study tour:**

**Students are required to visit a factory/Laboratory/Research Institute of repute during the course** and have to submit the report of the study tour at the end of the sixth semester during the time of practical examination. No credit will be separately given for study tour report.

Practical record, Project report & Study tour report must be certified by the teacher in charge and countersigned by the Head of the Department. Students should submit certified record of respective practical work at the time of University practical examination.

**Mark distributions**

Table 1: Internal and External marks for Core (Chemistry) courses:

Item	Marks		Total
	Internal	External	
Theory	10	40	50
Practical	10	40	50
Industrial visit	--	5	5
Project	4	16	20

Table 2: Internal and External marks for Complementary (Chemistry)

Item	Marks		Total
	Internal	External	
Theory	8	32	40
Practical	8	32	40

Table 3: Internal and External marks for Open Course (Chemistry)

Item	Marks		Total
	Internal	External	
Theory	5	20	25

Table 4: Distribution of Internal marks for Theory courses (Core, Complementary & Open).

Attendance	25%
Assignment /Seminar/Viva	25%
*Test paper	50 %

\* At least two test papers are to be conducted and average of these two is to be taken for awarding mark.

