



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR SALEM

- 636011

DEGREE OF BACHELOR OF SCIENCE

CHOICE BASED CREDIT SYSTEM

Syllabus for

B.SC. MATHEMATICS

(SEMESTER PATTERN)

(For Candidates admitted in the Colleges affiliated to Periyar
University from 2019-2020 onwards)

EXAMINATIONS

The course of study shall be based on semester pattern with Internal Assessment under Choice Based Credit System.

The examinations for all the papers consist of both Internal (Continuous Internal Assessment-CIA) and External (end semester) theory examination. The theory examination shall be conducted for three hours duration at the end of each semester. The candidates failing in any subjects(s) will be permitted to appear for the same in the subsequent semester examinations.

UNIFORMITY IN THE NUMBER OF UNITS IN EACH PAPER:

Each theory paper shall consist of five units. The Question paper shall consist of questions uniformly distributed among all the units.

1. QUESTION PAPER PATTERN FOR THE THEORY PAPERS

Duration: Three Hours

Maximum Marks: 75

Part A: (10 X 2 = 20 marks)
Answer ALL Questions
(Two Questions from Each Unit)

Part B: (5 X 5 = 25 marks)

Answer ALL Questions
(One Question from Each Unit with internal choice)

Part C: (3 X 10 = 30 marks) Answer Any THREE Questions out of
Five Questions (One Question from Each Unit)

2. MARKS AND QUESTION PAPER PATTERN FOR PRACTICALS

MAXIMUM:100 Marks

INTERNAL MARK: 40 marks
EXTERNAL MARK: 60 marks
(Practical Exam -45 marks + Record - 15 marks)

QUESTION PATTERN FOR THE PRACTICAL EXAM PAPERS

Answer any THREE questions out of 5 questions (3 x 15 = 45 marks)

PASSING MINIMUM

- i) The Candidates shall be declared to have passed the examination if he/she secures not less than 40 marks in total (CIA mark + Theory Exam mark) with minimum of 30 marks in the Theory Exam conducted by the University.
- ii) The Candidates shall be declared to have passed the examination if he/she secures not less than 40 marks in total (CIA mark + Practical Exam mark) with minimum of 18 marks out of 45 marks in the Practical Exam conducted by the University.

PERIYAR UNIVERSITY



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGARSALEM

– 636011

DEGREE OF MASTER OF SCIENCE
CHOICE BASED CREDIT SYSTEM

SYLLABUS FOR M.SC. MATHEMATICS

(SEMESTER PATTERN)

(For Candidates admitted in the Colleges affiliated to Periyar University
from 2019-2020 onwards)

EXAMINATIONS:

The examination shall be of Three Hours duration for each paper at the end of each semester. The candidate failing in any subject(s) will be permitted to appear for each failed subject(s) in the subsequent examination. Practical examinations for PG course should be conducted at the end of the even semester only. At the end of fourth semester viva-voce will be conducted on the basis of the Dissertation/ Project report by one internal and one external examiner.

QUESTION PAPER PATTERN AND MARKS DISTRIBUTION:

(i) Question Paper Pattern and Marks Distribution for Theory Examination: TITLE OF THE

PAPER

Time: Three Hours Maximum Marks: 75

Part – A (10 X 2 = 20 Marks)

Answer ALL Questions (Two

Questions from each unit)

Part – B (5 X 5 = 25 Marks)

Answer ALL Questions

(Two Questions from each unit with internal choice)

Part – C (3 X 10 = 30 Marks)

Answer any Three questions out of Five questions (One

question from each unit).

(ii) Question Paper Pattern and Marks Distribution for C++ Programming Lab :

Question Paper Pattern:

There will be ONE question with or without subsections to be asked for the Practical examination. Every question should be chosen from the question bank prepared by the examiner(s). Every fourth student get a new question i.e. each question may be used for at most three students.

The answer should contain i) Algorithm (A), ii) Flow Chart (F), iii) Program (P), iv) Execution of the Program with correct output (E & OP), and v) viva-voce (V).

Marks Distribution for C++ Programming Lab :

Maximum marks:100

Internal (CIA) : 40

External Assessment (EA- Practical Examination) : 60

(Practical Written Exam.: 50 Marks (The split up marks of this total marks 50 is,for A-05 , F-05, P- 10, E -20 & OP-05 and V-05) and Record:10 Marks).

Dissertation:

(a) Topic:

The topic of the dissertation shall be assigned to the candidate before the beginning of third semester and a copy of the same should be submitted to the University for Approval.

(b) No. of copies project / dissertation:

The students should prepare Three copies of dissertation and submit the same for the evaluation by Examiners. After evaluation one copy is to be retained in the college library and one copy is to be submitted to the university (COE) and the student can have the rest.

(c) Format to be followed:

The format of the Project / Dissertation to be prepared and submitted by the students in Semester IV is given below:

Format for the preparation of Project work:

i) Title page:

TITLE OF THE PROJECT / DISSERTATION

Project / dissertation Submitted in partial fulfillment of the requirement for the award of the Degree of Master of Science in MATHEMATICS (under Choice Base Credit System) to the Periyar University, Periyar Palkalai Nagar, Salem -636 011.

By (Student's
Name)(Register
Number)

Under the Guidance of
(Guide Name and Designation)

(College Logo)

(Name of the Department)(College
Address)

(Month and Year)

ii) BONAFIDE CERTIFICATE:

CERTIFICATE

This is to certify that the dissertation entitledsubmitted in partial fulfillment of the requirement of the award of the Degree of Master of Science in MATHEMATICS (Under Choice Based Credit System) to the Periyar University, Salem is a record of bonafide research work carried out by.....under my supervision and guidance and that no part of the dissertation has been submitted for the award of any degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific or popular journals or magazines

Date:

Place:

Signature of the Guide

Signature of the Head of the Department.

- (i) Acknowledgement:
(Drafted by the student)

- (ii) Table of contents:

TABLE OF CONTENTS

Chapter No.	Title	Page No.
1.	Introduction	
2.	Review of Literature	
3,4..	Results	
	Summary	
	References	

MINIMUM MARKS FOR PASSING:

- i) Theory Papers: The candidate shall be declared to have passed the examination if the candidate secures not less than 50 marks in total (CIA mark + Theory Exam mark) with minimum of 38 marks in the Theory Exam conducted by the University. The Continuous Internal Assessment (CIA) Mark 25 is distributed to four components viz., Tests, Assignment, Seminar and Attendance as 10, 05, 05 and 05 marks, respectively.
- ii) Practical paper: A minimum of 50 marks out of 100 marks in the University examination and the record notebook taken together is necessary for a pass. There is no passing minimum for the record notebook. However submission of record notebook is a must.
- iii) Project Work/Dissertation and Viva-Voce: A candidate should secure 50% of the marks for pass. The candidate should attend viva-voce examination to secure a pass in that paper.

Candidate who does not obtain the required minimum marks for a pass in a Paper /Practical/ Project/Dissertation shall be declared Re-Appeal (RA) and he / she has to appear and pass the same at a subsequent appearance.

CLASSIFICATION OF SUCCESSFUL CANDIDATES:

Candidates who secure not less than 60% of the aggregate marks in the whole examination shall be declared to have passed the examination in First Class. All other successful candidate shall be declared to have passed in the Second Class. Candidates who obtain 75% of the marks in the aggregate shall be deemed to have passed the examination in the First Class with Distinction provided they pass all the

examinations prescribed for the course at the first appearance. Candidates who pass all the examinations prescribed for the course in the first instance and within a period of two academic years from the year of admission to the course only are eligible for University Ranking.

MAXIMUM DURATION FOR THE COMPLETION OF THE PG PROGRAMME:

The maximum duration for completion of the PG Programme shall not exceed Four Years from the year of admission.

TRANSITORY PROVISION:

Candidates who were admitted to the PG course of study before 2017-2018 shall be permitted to appear for the examinations under those regulations for a period of three years, that is, up to end inclusive of the examination of April / May 2020. Thereafter, they will be permitted to appear for the examination only under the regulations then in force.



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR SALEM

- 636011

DEGREE OF BACHELOR OF SCIENCE

CHOICE BASED CREDIT SYSTEM

Syllabus for

B.SC. MATHEMATICS

(SEMESTER PATTERN)

(For Candidates admitted in the Colleges affiliated to Periyar
University from 2021-2022 onwards)

EXAMINATIONS

The course of study shall be based on semester pattern with Internal Assessment under Choice Based Credit System.

The examinations for all the papers consist of both Internal (Continuous Internal Assessment-CIA) and External (end semester) theory examination. The theory examination shall be conducted for three hours duration at the end of each semester. The candidates failing in any subjects(s) will be permitted to appear for the same in the subsequent semester examinations.

UNIFORMITY IN THE NUMBER OF UNITS IN EACH PAPER:

Each theory paper shall consist of five units. The Question paper shall consist of questions uniformly distributed among all the units.

3. QUESTION PAPER PATTERN FOR THE THEORY PAPERS

Duration: Three Hours

Maximum Marks: 75

Part A: (10 X 2 = 20 marks)
Answer ALL Questions
(Two Questions from Each Unit)

Part B: (5 X 5 = 25 marks)
Answer ALL Questions
(One Question from Each Unit with internal choice)

Part C: (3 X 10 = 30 marks) Answer Any THREE Questions out of
Five Questions (One Question from Each Unit)

4. MARKS AND QUESTION PAPER PATTERN FOR PRACTICALS

MAXIMUM: 100 Marks

INTERNAL MARK: 40 marks

EXTERNAL MARK: 60 marks

(Practical Exam -45 marks + Record - 15 marks)

QUESTION PATTERN FOR THE PRACTICAL EXAM PAPERS

Answer any THREE questions out of 5 questions (3 x 15 = 45 marks)

PASSING MINIMUM

- i) The Candidates shall be declared to have passed the examination if he/she secures not less than 40 marks in total (CIA mark + Theory Exam mark) with minimum of 30 marks in the Theory Exam conducted by the University.
- ii) The Candidates shall be declared to have passed the examination if he/she secures not less than 40 marks in total (CIA mark + Practical Exam mark) with minimum of 18 marks out of 45 marks in the Practical Exam conducted by the University.



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR

SALEM – 636011

DEGREE OF MASTER OF SCIENCE
CHOICE BASED CREDIT SYSTEM

SYLLABUS FOR M.SC. MATHEMATICS

(SEMESTER PATTERN)

(For Candidates admitted in the Colleges affiliated to Periyar University
from 2021-2022 onwards)

1. EXAMINATIONS:

The examination shall be of Three Hours duration for each paper at the end of each semester. The candidate failing in any subject(s) will be permitted to appear for each failed subject(s) in the subsequent examination. Practical examinations for PG course should be conducted at the end of the even semester only. At the end of fourth semester viva-voce will be conducted on the basis of the Dissertation/ Project report by one internal and one external examiner.

2. QUESTION PAPER PATTERN AND MARKS DISTRIBUTION:

- a. Question Paper Pattern and Marks Distribution for Theory Examination: TITLE OF

THE PAPER

Time: Three Hours Maximum Marks: 75

Part – A (15 X 1 = 15 Marks)

Answer ALL objective type Questions

(Three Questions from each unit)

Part – B (5 X 2 = 10 Marks)

Answer ANY TWO Questions

(One Question from each unit)

Part – C (5 X 10 = 50 Marks)

Answer ALL questions

(Two questions from each unit with internal choice).

(i) Question Paper Pattern and Marks Distribution for C++ Programming Lab: QuestionPaper

Pattern:

There will be ONE question with or without subsections to be asked for the Practical examination. Every question should be chosen from the question bank prepared by the examiner(s). Every fourth student get a new question i.e. each question may be used for at most three students.

The answer should contain i) Algorithm (A), ii) Flow Chart (F), iii) Program (P), iv) Execution of the Program with correct output (E & OP), and v) viva-voce (V).

Marks Distribution for C++ Programming Lab :

Maximum marks:100

Internal (CIA) : 40

External Assessment (EA- Practical Examination) : 60

(Practical Written Exam.: 50 Marks (The split up marks of this total marks 50 is, for A-05 , F-05, P- 10, E -20 & OP-05 and V-05) and Record:10 Marks).

3. Dissertation:

(a) Topic:

The topic of the dissertation shall be assigned to the candidate before the beginning of third semester and a copy of the same should be submitted to the University for Approval.

(b) No. of copies project / dissertation:

The students should prepare Three copies of dissertation and submit the same for the evaluation by Examiners. After evaluation one copy is to be retained in the college library and one copy is to be submitted to the university (COE) and the student can have the rest.

(c) Format to be followed:

The format of the Project / Dissertation to be prepared and submitted by the students in Semester IV is given below:

Format for the preparation of Project work:

i) Title page:

TITLE OF THE PROJECT / DISSERTATION

Project / dissertation Submitted in partial fulfillment of the requirement for the award of the Degree of Master of Science in MATHEMATICS (under Choice Base Credit System) to the Periyar University, Periyar Palkalai Nagar, Salem -636 011.

By

(Student's Name)

(Register Number)

Under the Guidance of

(Guide Name and Designation)

(College Logo)

(Name of the Department)(College

Address)

(Month and Year)

CERTIFICATE

ii) BONAFIDECERTIFICATE:

This is to certify that the dissertation entitledsubmitted in partial fulfillment of the requirement of the award of the Degree of Master of Science in MATHEMATICS (Under Choice Based Credit System) to the Periyar University, Salem is a record of bonafide research work carried out by.....under my supervision and guidance and that no part of the dissertation has been submitted for the award of any degree, diploma, fellowship or other similar titles or prizes and that the work has not been published in part or full in any scientific or popular journals or magazines

Date:

Place:

Signature of the Guide

Signature of the Head of the Department.

(iii) Acknowledgement:

(Drafted by the student)

(iv) Table of contents:

TABLE OF CONTENTS

Chapter No.	Title	Page No.
1.	Introduction	
2.	Review of Literature	
3,4..	Results	
	Summary	
	References	

4. MINIMUM MARKS FOR PASSING:

- a Theory Papers: The candidate shall be declared to have passed the examination if the candidate secures not less than 50 marks in total (CIA mark + Theory Exam mark) with minimum of 38 marks in the Theory Exam conducted by the University. The Continuous Internal Assessment (CIA) Mark 25 is distributed to four components viz., Tests, Assignment, Seminar and Attendance as 10, 05, 05 and 05 marks, respectively.
- b Practical paper: A minimum of 50 marks out of 100 marks in the University examination and the record notebook taken together is necessary for a pass. There is no passing minimum for the record notebook. However submission of record notebook is a must.
- c Project Work/Dissertation and Viva-Voce: A candidate should secure 50% of the marks for pass. The candidate should attend viva-voce examination to secure a pass in that paper.

Candidate who does not obtain the required minimum marks for a pass in a Paper / Practical/ Project/Dissertation shall be declared Re-Appeal (RA) and he / she has to appear and pass the same at a subsequent appearance.

5. CLASSIFICATION OF SUCCESSFUL CANDIDATES:

Candidates who secure not less than 60% of the aggregate marks in the whole examination shall be declared to have passed the examination in First Class. All other successful candidate shall be declared to have passed in the Second Class. Candidates who obtain 75% of the marks in the aggregate shall be deemed to have passed the examination in the First Class with Distinction provided they pass all the examinations prescribed for the course at the first appearance. Candidates who pass all the examinations prescribed for the course in the first instance and within a period of two academic years from the year of admission to the course only are eligible for University Ranking.

6. MAXIMUM DURATION FOR THE COMPLETION OF THE PG PROGRAMME:

The maximum duration for completion of the PG Programme shall not exceed Four Years from the year of admission.

7. TRANSITORY PROVISION:

Candidates who were admitted to the PG course of study before 2020-2021 shall be permitted to appear for the examinations under those regulations for a period of three years, that is, up to end inclusive of the examination of April / May 2023. Thereafter, they will be permitted to appear for the examination only under the regulations then in force.

8. PG Internship training Programme:

Candidates have to do a course at the end of first year summer vacation in a institute/company as internship training and submit report to the department.



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR SALEM -
636011

DEGREE OF BACHELOR OF SCIENCE

CHOICE BASED CREDIT SYSTEM

Syllabus for

B.SC. MATHEMATICS

(SEMESTER PATTERN)

(For Candidates admitted in the Colleges affiliated to Periyar University
from 2023-2024 onwards)

QUESTION PAPER PATTERN FOR UG

EXAMINATION SYSTEM

There are two components in the evaluation and assessment of a student, namely Continuous Internal Assessment (CIA) and Semester Examination (SE). The CIA will take place during the course of the semester and the semester Examination shall be conducted at the end of each semester. Each UG course consists of six semesters.

SEMESTER EXAMINATION QUESTION PAPER PATTERN FOR THE THEORY PAPERS

The Maximum Marks for Semester Examination is 75 for UG.

The question paper shall have three Parts with the maximum of 75 marks for three hours with the following break-up.

Part-A

Part-A shall contain *fifteen* Multiple Choice Questions drawn from all the units on the basis of three questions from each unit.

Each question shall carry one mark ($15 \times 1 = 15$ Marks). Answer all the questions.

Part-B

Part-B shall contain *five* questions drawn one each from the 5 units.

2 questions out of 5 are to be answered. Each question shall carry five marks ($2 \times 5 = 10$ Marks). Answer any two questions.

Part-C

Part-C shall contain *five* -EITHER OR type questions drawn from all the 5 units. One -EITHER OR type question from each unit.

Each question shall carry 10 marks ($5 \times 10 = 50$ Marks). Answer all the questions.

QUESTION PAPER PATTERN FOR THE FOLLOWING SKILL ENHANCEMENT COURSES IS 75 OBJECTIVE TYPE QUESTIONS EACH CARRYING 1 MARK.

- i. Mathematics for Competitive Examination – I
- ii. Mathematics for Competitive Examination - II
- iii. Mathematics for Competitive Examination - III
- iv. Mathematics for Competitive Examination – IV

CONTINUOUS INTERNAL ASSESSMENT (CIA)

The break-up of the internal marks components is as follows:

- (i) CIA Tests – 15 Marks
- (ii) Attendance – 5 Marks
- (iii) Problem Solving/Assignment – 5 Marks

MARKS AND QUESTION PAPER PATTERN FOR PRACTICALS

The Maximum Marks for Practical Examination is 100 for UG.

External Mark Components 60 Marks. Practical Examination 45 Marks and Record 15 Marks. Internal Mark 40 Marks.

QUESTION PATTERN FOR THE PRACTICAL EXAM PAPERS

Answer any THREE questions out of 5 questions ($3 \times 15 = 45$ Marks).

PASSING MINIMUM

The candidate shall be declared to have passed the examination if the candidates secure not less than 30 marks out of 75 marks in the semester examination in each theory course and in total (CIA mark + Theory Exam mark) not less than 40 marks.

The candidates shall be declared to have passed the examination if he/she secures not less than 40 marks in total (CIA mark + Practical Exam mark) with minimum of 18 marks out of 45 marks in the Practical Exam conducted by the University. There is no passing minimum for the record notebook. However, submission of the record notebook is necessary. Candidate who does not obtain the required minimum marks for a pass in a Course/Practical shall be declared Re-Appeal (RA) and the candidate has to appear and pass the same at a subsequent appearance.



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR

SALEM – 636011

DEGREE OF MASTER OF SCIENCE
CHOICE BASED CREDIT SYSTEM

SYLLABUS FOR
M.SC. MATHEMATICS

(SEMESTER PATTERN)

(For Candidates admitted in the Colleges affiliated to PeriyarUniversity from
2021-2022 onwards)

Testing Pattern (25+75)**Internal Assessment**

Theory Course: For theory courses there shall be three tests conducted by the faculty concerned and the average of the best two can be taken as the Continuous Internal Assessment (CIA) for a maximum of 25 marks. The duration of each test shall be one / one and a half hour.

Computer Laboratory Courses: For Computer Laboratory oriented Courses, there shall be two tests in Theory part and two tests in Laboratory part. Choose one best from Theory part and other best from the two Laboratory part. The average of the best two can be treated as the CIA for a maximum of 25 marks. The duration of each test shall be one / one and a half hour. There is no improvement for CIA of both theory and laboratory, and, also for University End Semester Examination.

**WRITTEN EXAMINATION : THEORY PAPER (BLOOM'S TAXONOMY
BASED) QUESTION PAPER MODEL**

Intended Learning Skills	Maximum 75 Marks Passing Minimum: 50% Duration : Three Hours
	Part –A (10x 2 = 20 Marks) Answer ALL questions Each Question carries 2mark
Memory Recall / Example/ Counter Example / Knowledge about the Concepts/ Understanding	Two questions from each UNIT

	Question 1 to Question 10
	Part – B (5 x 5 = 25 Marks) Answer ALL questions Each questions carries 5 Marks
Descriptions/ Application (problems)	Either-or Type Both parts of each question from the same UNIT
	Question 11(a) or 11(b) To Question 15(a) or 15(b)
	Part-C (3x 10 = 30 Marks) Answer any THREE questions Each question carries 10 Marks
Analysis /Synthesis / Evaluation	There shall be FIVE questions covering all the five units
	Question 16 to Question 20

Each question should carry the course outcome and cognitive level

For instance,

[CO1 : K2] Question xxxx

[CO3 : K1] Question xxx

MINIMUM MARKS FOR PASSING:

a). Theory Papers:

The candidate shall be declared to have passed the examination if the candidate secures not less than 50 marks in total (CIA mark + Theory Exam mark) with minimum of 38 marks in the Theory Exam conducted by the University. The Continuous Internal Assessment (CIA) Mark 25 is distributed to four components viz., Tests, Assignment, Seminar and Attendance as 10, 05, 05 and 05 marks, respectively.

b). Practical paper:

A minimum of 50 marks out of 100 marks in the University examination and the record notebook taken together is necessary for a pass. There is no passing minimum for the record notebook. However submission of record notebook is a must.

c). Project Work/Dissertation and Viva-Voce:

A candidate should secure 50% of the marks for pass. The candidate should attend viva-voce examination to secure a pass in that paper.

Candidate who does not obtain the required minimum marks for a pass in a Paper / Practical/ Project/Dissertation shall be declared Re-Appear (RA) and he / she has to appear and pass the same at a subsequent appearance.

CLASSIFICATION OF SUCCESSFUL CANDIDATES:

Candidates who secure not less than 60% of the aggregate marks in the whole examination shall be declared to have passed the examination in First Class. All other successful candidate shall be declared to have passed in the Second Class. Candidates who obtain 75% of the marks in the aggregate shall be deemed to have passed the examination in the First Class with Distinction provided they pass all the examinations prescribed for the course at the first appearance. Candidates who pass all the examinations prescribed for the course in the first instance and within a period of two academic years from the year of admission to the course only are eligible for University Ranking.

MAXIMUM DURATION FOR THE COMPLETION OF THE PG PROGRAMME:

The maximum duration for completion of the PG Programme shall not exceed Four Years from the year of admission.

TRANSITORYPROVISION:

Candidates who were admitted to the PG course of study before 2023-2024 shall be permitted to appear for the examinations under those regulations for a period of three years, that is, up to end inclusive of the examination of April / May 2024. Thereafter, they will be permitted to appear for the examination only under the regulations then in force.



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR
SALEM - 636011

DEGREE OF BACHELOR OF ARTS
CHOICE BASED CREDIT SYSTEM

Syllabus for
B.A. ECONOMICS

(SEMESTER PATTERN)

(For Candidates admitted in the Colleges affiliated to
Periyar University from 2017-2018 onwards)

REGULATIONS

Programme	: "Programme" means a course of study leading to the award of a degree in a discipline.
Course	: "Course" refers to a subject offered under the degree programme.
Part I – Tamil / Other languages	: means "Tamil/other language s" offered under Part I of the programme.
Part II –English	: means "English" language offered under Part II of the programme.
Part III (Core Courses)	: means "the core courses" related to the programme concerned including practical offered under Part III of the programme.
Part III (Allied Courses)	: means "Allied courses" offered under p artIII of the programme, which is in nature but related to the programme concerned
Part III (Elective Courses)	: means "Elective courses" related to the core courses of the programme concerned. offered under Part III of the programme.
Part IV	
(i) Tamil	: means basic orientation in Tamil language offered under Part IV(i) of the programme(as name of the course) for those students who have not studied Tamil upto 12 th standard.
(ii) Advance Tamil	: means, Advanced level Tamil offered under Part IV of the programme to students who have studied Tamil language upto 12 th standard and chosen other languages under part I of the programme but would like to advance their Tamil language skills.
(iii) NonMajor	: means elective subjects offered under Part IV (iii) option is being given not Electives concerned with major but are to be selected by students who have not opted for (either) Advance Tamil or Tamil (as mandated).
(iv) "Skill based Courses	: means the courses offered as skill based courses under Part IV (iv) of the Courses" programme aimed at imparting Advance d Skill
(v) "Foundation Course"	: means courses such as 1) Environmental Studies (1 st year) 2) Value Education yoga under Part IV (iv) of th e programme.
Part V	
"Extension	: means all those activities under NSS/NCC/Sports/YRC programme and other Activities" co and extracurricular activities offered under part V of the programme. A detailed explanation of the above with relevant credits are given under "Scheme of Examination along with Distribution of Marks and Credits"
Duration	: Means the stipulated years of study to complete a programme as prescribed by the University from time to time. Currently for the undergraduate programme the duration of study is THREE years. These regulations shall apply to the regular course of study in approved institutions of the University.

B.A.ECONOMICS

- Programme** : "Programme" means a course of study leading to the award of a degree in a discipline.
- Credits** : Means the weightage given to each course of study (subject) by the experts o the Board of Studies concerned.
- Credit System** : Means, the course of study under these regulations, where weightage of credits are spread over to different semesters during the period of study and the Cumulative Grade Point Average shall be awarded based on the credits earned by the students. A total of 140 credits are prescribed for the Undergraduate Programme (Three years)
- Choice Based** : All Undergraduate Programmes offered by the University shall be under Choice Based **Credit System** Credit System (CBCS). This is to enhance the quality and mobility of the students within and between the Universities in the country and abroad.
- Project** : Each student admitted to the Programme of study shall take up a project work in lieu of three Elective courses. The report of the study should be submitted at the end of course of study certified by the supervisor and duly forwarded by the Head of the Department/Principal of the College.

The Head of the department of the concerned programme shall assign a project supervisor, who intum shall assign the topic and monitor the project work of the student.

1. ELIGIBILITY

Refer this office circular No: PU/R/AD-1/UG/PG/Programmes Eligibility/2019 Dated: 16-04-2019.

2. DURATION OF THE COURSE

The course shall extend over a period of **three years comprising** of six semesters with two semesters in one academic year. There shall not be less than 90 working days for each semester. Examination shall be conducted at the end of every semester for the respective subjects.

Each semester have 90 working days consists of 5 teaching hours per working day. Thus, each semester has 450 teaching hours and the whole programme has 2600 teaching hours.

3. COURSE OF STUDY The course of study for the UG degree courses of all branches shall consist of the following **Part - I**

Tamil or any one of the following modern/classical languages i.e. Telugu, Kannada, Malayalam, Hindi, Sanskrit, French, German, Arabic & Urdu.

The subject shall be offered during the **first four semesters** with one examination at the end of each semester (4 courses – 12 credits). For paraprofessional branches it shall be offered in the **first two semesters** with one examination at the end of each semester (2 courses – 6 credits).

Part – II: English

The subject shall be offered during the **first four semesters** with one examination at the end of each semester (4 courses – 20 credits). For paraprofessional programmes, there shall be only two papers for the **first two semesters** with one examination at the end of each semester (2 courses – 10 credits).

Part – III Core subject As prescribed in the scheme of examination.

Examination shall be conducted in the core subjects at the end of every semester

For the programmes with 4 semester languages : 15 core courses – 60 credits are to be offered For the programmes.

B.A.ECONOMICS

Allied Subjects

As prescribed in the scheme of Examination, four subjects, **one each** in I, II, III and IV semester for a total of 16 credits are to be offered.

Electives courses

Three elective courses with 2 credits are to be offered one in the III, IV, V and VI semester. Elective subjects are to be selected from the list of electives prescribed by the Board of Studies concerned

Part – IV

- (a) Those who have not studied Tamil upto X std / XII std and taken a nonTamil language under PartI shall take Tamil comprising of two courses with 2 credits each (4 credits). The course content of which shall be equivalent to that prescribed for the 6th standard by the Board of Secondary Education and they shall be offered in the **third and fourth semesters**.

There shall be no external (University) examinations and the students shall be assured as per the scheme of continuous internal assessment (CIA) for the total marks prescribed. (OR)

- (b) Those who have studied Tamil upto XII std and taken a nonTamil language under PartI shall take Advanced Tamil comprising of two courses with 2 credits each (4 credits) in the **third and fourth semesters. (OR)**
- (c) Others who do not come under the above a+b categories can choose the following nonmajor electives comprising of two courses with 2 credits each (4 credits) in the **third and fourth semesters**.

1.Yoga (II- semester.)

2. Skill Based Subjects:

All the UG programmes shall offer of four courses of **skill based subjects one each** in V & VI semester with 2 and 15 credits respectively for which examination shall be conducted at the end of the respective semesters.

3. **Environmental Studies:** All the UG programmes shall offer a course in Environmental Studies subjects and it shall be offered in the **first semester**. Examination shall be conducted at the end of the semester (one course with 3 credits).
4. **Value Education :** All the UG programmes shall offer a course in “Value Education – Yoga I” subjects and it shall be offered in the **second semester**. Examination shall be conducted at the end of the semester (one course with 2 credits). The assessment for the category in Part – IV 1 (b) & (c) and 3, 4 subjects shall be through external (University) examination for the total marks prescribed.

Part V: Extension Activities

Every student shall participate compulsorily for period of not less than two years (4 semesters) in any one of the following programmes.

- NSS
- NCC
- Sports
- YRC
- Other Extracurricular activities

The student's performance shall be examined by the staff incharge of extension activities along with the Head of the respective department and a senior member of the Department on the following parameters. The marks shall be sent to the Controller of Examinations before the commencement of the final semester examinations.

20% of marks for Regularity of attendance

60% of marks for Active Participation in classes/camps/games/special Camps/programmes in the college/ District/ State/ University activities.

10% of marks for Exemplary awards/Certificates/Prizes.

10% of marks for Other Social components such as Blood Donations, Fine Arts, etc.

The above activities shall be conducted outside the regular working hours of the college. The mark sheet shall carry the gradation relevant to the marks awarded to the candidates.

(Handicapped students who are unable to participate in any of the above activities shall be required to take a test in the theoretical aspects of any one of the above fields and be graded and certified accordingly).

4. REQUIREMENT TO APPEAR FOR THE EXAMINATIONS

- a) a candidate shall be permitted to appear for the university examinations for any semester (practical/theory) if
 - i) He/she secures **not less than 75%** of attendance in the number of working days during the semester and
 - ii) His/her conduct has been satisfactory

Provided that it shall be open to the Syndicate, or any authority delegated with such powers by the Syndicate, to grant exemption to a candidate who has failed to earn 75% of the attendance prescribed, for valid reasons, subject to usual conditions and as per the Ordinance of the University.

- b) A candidate who has secured **less than 65% but 55%** and above attendance in any semester has to compensate the shortage in attendance in the subsequent semester besides earning the required percentage of attendance in that semester and appear for both semester papers together at the end of the later semester.
- c) A candidate who has secured **less than 55%** of attendance in any semester shall not be permitted to appear for the regular examinations and to continue the study in the subsequent semester. He/she has to rejoin the semester in which the attendance is less than 55%
- d) A candidate who has secured **less than 65%** of attendance in the final semester has to compensate his/her attendance shortage in a manner as decided by the concerned Head of the department after rejoining the same course.

5. SCHEME OF EXAMINATION

As given in the annexure.

6. RESTRICTIONS TO APPEAR FOR THE EXAMINATIONS

- a) Any candidate having arrear paper(s) shall have the option to appear in any arrear paper along with the regular semester papers.
- b) "Candidates who fail in any of the course of Part I, II, III, IV & V of UG degree examinations shall complete the course concerned **within 5 years** from the date of admission to the said programme, and should they fail to do so, they shall take the examination in the texts/ revised syllabus prescribed for the immediate next batch of candidates. If there is no change in the texts/syllabus they shall appear for the examination in that course with the syllabus in vogue until there is a change in the texts or syllabus. In the event of removal of that course consequent to change of regulation and / or curriculum after 5 year period, the candidates shall have to take up an equivalent course in the revised syllabus as suggested by the Chairman and fulfill the requirements as per the regulation for the award of the degree.

7. MEDIUM OF INSTRUCTION AND EXAMINATIONS

The medium of instruction and examinations for the courses of Part I, II & IV shall be the language concerned. For part III courses other than modern languages, the medium of instruction shall be either Tamil or English and the medium of examinations is English/Tamil irrespective of the medium of instructions.

8. PASSING MINIMUM

- a) A candidate who secures **not less than 40% in the University (external) Examination** and 40% marks in the external examination and continuous internal assessment put together in any course of Part I, II, III & IV shall be declared to have passed the examination in the subject (theory or Practical).
- b) A candidate who secures not less than 40% of the total marks prescribed for the subject under part IV degree programme irrespective of whether the performance is assessed at the end semester examination or by continuous internal assessment shall be declared to have passed in that subject.
- c) A candidate who passes the examination in all the courses of Part I, II, III, IV & V shall be declared to have passed, the whole examination.

9. Distribution

Table – 1(A): The following are the distribution of marks for external and internal for University (external) examination and continuous internal assessment and passing minimum marks for theory papers of UG programmes.

TOTAL MARKS	MAX MARKS	EXTERNAL Passing Minimum for External alone	INTERNAL Maximum Marks	Overall Passing Minimum for total marks (Internal + External)
100	75	30	25	40
75	55	22	20	30
60	45	18	15	24
50	40	16	10	20

Table – 1(B): The following are the Distribution of marks for the continuous Internal assessment in the theory papers of UG programmes.

S.No.	For Thoery - UG Courses	Distribution of Makrs			
1.	Tests (one best test out of 2 tests of 2 hours each)	10	8	6	4
2.	End semester model test (3 hours)	10	8	6	4
3.	Assignments – 2 Nos.	5	4	3	2
	TOTAL MARKS	25	20	15	10

3. The following courses shall have only semester – end examinations and no Continuous Internal Assessment.

S.No.	Subject	Total Marks
1.	Environmental Studies	75
2.	Value Education – Yoga	75
3.	Non – Major Electives 3 rd Semester	75
4.	Non – Major Electives 4 th Semester	75
	TOTAL	300

- e. A candidate who has passed all the Part I or Part II or Part III subjects examination of the UG programmes and secured a CGPA of 4.5 to 5 and equivalent grades "C" or "C+" shall be declared to have passed that parts in "**Third Class**".
- f. There shall be no classifications of final results, therefore, award of class for Part IV and Part V, however, those parts shall be awarded with final grades in the end semester statements of marks and in the consolidated statement of marks.

8. CONFERMENT OF THE DEGREE:

No candidate shall be eligible for conferment of the Degree unless he / she

- has undergone the prescribed course of study for a period of not less than six semesters in an institution approved by/affiliated to the University or has been exempted from in the manner prescribed and has passed the examinations as have been prescribed therefor.
- Has completed all the components prescribed under Parts I to Part V in the CBCS pattern to earn 140 credits.
- Has successfully completed the prescribed Field Work/ Institutional Training as evidenced by certificate issued by the Principal of the College.

9. RANKING:

A candidate who qualifies for the UG degree course passing all the examinations in the first attempt, within the minimum period prescribed for the course of study from the date of admission to the course and secures I or II class shall be eligible for ranking subject to a maximum of 10 ranks.

14. QUESTION PAPER PATTERN

The following question paper patterns shall be followed for CBCS pattern syllabi for the candidates admitted from the academic year 201011 wherever applicable **otherwise provided in syllabi itself.**

For other courses in Part IV of UG programmes namely, Environmental Studies, Value Education – Yoga the question paper pattern should be 5 out of 10.

SECTION A	2 marks questions	10X2=20	10 questions – 2 each from every unit
SECTION B	Short answer questions of either (like 1.a (or) b	05 X5=25	05 questions – 1 each from every unit
SECTION C	Essay type questions	03 X10 = 30	05 questions – 1 each from every unit

15. Syllabus

The syllabus for various courses shall be clearly demarcated into five viable units in each paper/subject.

16. Revision of Regulations and Curriculum

The above Regulation and Scheme of Examinations shall be in vogue without any change for a minimum period of three years from the date of approval of their approval. The University may revise / amend/ change the Regulations and Scheme of Examinations, if found necessary.

17. Transitory Provision

Candidates who have undergone the Course of Study prior to the Academic Year 20162017 shall be permitted to take the Examinations under those Regulations for a period of four years i.e. upto and inclusive of the Examination of April 2021 thereafter they shall be permitted to take the Examination only under the Regulations in force at that time.

PERIYAR UNIVERSITY
PERIYAR PALKALAI NAGAR SALEM – 636011

DEGREE OF BACHELOR OF ARTS
CHOICE BASED CREDIT SYSTEM

Syllabus for

B.A. ECONOMICS

(SEMESTER PATTERN)

**(For Candidates admitted in the Colleges affiliated to Periyar
University from 2021-2022 onwards)**

**B.A ECONOMICS
REGULATIONS**

1. PROGRAMME

“Programme” means a course of study leading to the award of a degree in a discipline - B.A Economics

2. ELIGIBILITY

Refer this office circular No: PU/R/AD-I/UG/PG/Programmes Eligibility/2019 Dated: 16-04-2019.

3. DURATION OF THE COURSE

The course shall extend over a period of **three years comprising** of six semesters with two semesters in one academic year. There shall not be less than 90 working days for each semester. Examination shall be conducted at the end of every semester for the respective subjects,

Each semester have 90 working days consists of 5 teaching hours per working day. Thus, each semester has 450 teaching hours and the whole programme has 2700 teaching hours.

4. COURSE OF STUDY

The course of study for the B.A Economics degree shall consist of the following subjects in each of the semester for completing the Degree

Part – I. Tamil

Tamil or any one of the modern or classical languages such as, Telugu, Kannada, Malayalam, Hindi, Sanskrit, French, German, Arabic or Urdu and the subject shall be offered during the **first four semesters** with one examination at the end of each semester (4 courses - $4 \times 3 = 12$ Credits)

Part – II Communicative English

The subject shall be offered during the **first four semesters** with one examination at the end of each semester (4 courses - $4 \times 3 = 12$ Credits)

Part – III: Core subject.

It is prescribed in the scheme of examination. Examination shall be conducted in the core subjects at the end of every semester. For the programmes with 6 semesters 14 core courses are offered for the programmes and each subject has 5 credits ($14 \times 5 = 70$ credits). Other than the core subjects, Professional English is also offered by TANSCH as co-core subjects (III-A) take part in the first, second,

third and fourth Semesters and the examination is conducted at the end of the respective semesters having four courses 3 credit in each (4X3=12 credits).

PART IV (Included in Part III for grading) : Allied Subjects

It is prescribed in the scheme of Examination. For the programme offered 6 semesters, only in first four semesters have only allied subjects and each has 4 credits and totally 16 credits (4X4=16 Credits). The examination shall be conducted at the end of the respective semesters.

PART V (Included in Part III for grading): Electives courses

It is prescribed in the scheme of Examination. It is offered only in 5th and 6th Semesters. Two elective courses with 4 credit are to be offered in each and totally 8 Credits (2x4= 8 Credits). Elective subjects are selected from the list of electives prescribed by the Board of Studies concerned. The examination shall be conducted at the end of the respective semesters.

PART VI: Skill Based Subjects Theory papers

All the UG programmes shall offer four courses of skill based elective subjects. One in third semester, the second is in fourth semester, third is in fifth and last one is in the sixth semester. The first three SBECs have 3 credit each and totally 9 credits (3x3=9 Credits). The examination shall be conducted in the same at the end of the respective semesters.

PART VI: (A) Skill Based Subjects – Project:

Each student admitted to the Programme of study shall take up a project work in lieu of two skill based courses in one course. The report of the study should be submitted at the end of course of study i.e. in VI Semester. It is certified by the supervisor and duly forwarded by the Head of the Department/Principal of the College. The Head of the department of the concerned programme shall assign a project supervisor, who in turn shall assign the topic and monitor the project work of the student. For Project studied, the programme offered 6 Credits (1x6=6 Credits)

PART VII: Value Education:

(a) **YOGA:** All the UG programmes shall offer a course in “Value Education – “Yoga” subject and it shall be offered in the first Semester. Examination shall be conducted at the end of the semester which has no credit.

(b) **Environmental Studies:** All the UG programmes shall offer a course of Environmental Studies subject and it shall be offered in the Second Semester. Examination shall be conducted at the end of the semester which has no credit.

PART: VIII: Non- Major subject

All the UG programmes shall offer a course as Non Major Subjects and it shall be offered to the other department to take classes in the third and fourth semester which as 2 credits each (2X2=4 credits)

PART: IX: Internship Subject – Add on Course

It is offered in 4th Semester. The Examination should take part in the same semester which has no credits

Part X: Extension Activities

Every student shall participate compulsorily for period of not less than two years (4 semesters) in any one of the following programmes.

- NSS
- NCC
- Sports
- YRC
- Other Extracurricular activities

The students' performance shall be examined by the staff in charge of extension activities along with the Head of the respective department and a senior member of the Department on the following parameters. The marks shall be sent to the Controller of Examinations before the commencement of the final semester examinations.

20% of marks for Regularity of attendance

60% of marks for Active Participation in classes/camps/games/special Camps/programmes in the college/ District/ State/ University activities.

10% of marks for Exemplary awards/Certificates/Prizes.

10% of marks for Other Social components such as Blood Donations, Fine Arts, etc

The above activities shall be conducted outside the regular working hours of the college. The mark sheet shall carry the gradation relevant to the marks awarded to the candidates. The programme offered only one credit points (1X1=1 Credit)

Note: Handicapped students who are unable to participate in any of the above activities shall be required to take a test in the theoretical aspects of any one of the above fields and be graded and certified accordingly

5. CREDIT

Credit means the weightage given to each subject of the whole programme by the expert's of the Board of Studies concerned.

S. No	Subjects	Credit Points
1	Language (Tamil) – 4 Courses	12
2	Language (English) – 4 Courses	12

B.A.ECONOMICS

*The candidates who have passed in the first appearance and within the prescribed semester of the UG Programme (Major, Allied and Elective Courses Alone) are eligible.

16. CONFERMENT OF THE DEGREE:

No candidate shall be eligible for conferment of the Degree unless he / she

- a) has undergone the prescribed course of study for a period of not less than six semesters in an institution approved by/affiliated to the University or has been exempted from in the manner prescribed and has passed the examinations as have been prescribed therefore.
- ii. Has completed all the components prescribed under Parts I to Part X in the CBCS pattern to earn 148 credits.
- iii. Has successfully completed the prescribed Field Work/ Institutional Training as evidenced by certificate issued by the Principal of the College.

17. RANKING:

A candidate who qualifies for the UG degree course passing all the examinations in the first attempt, within the minimum period prescribed for the course of study from the date of admission to the course and secures I Class or II class shall be eligible for ranking subject to a maximum of 10 ranks.

14. QUESTION PAPER PATTERN

The following question paper patterns shall be followed for CBCS pattern syllabus for the candidates admitted from the academic year 2021- 22 wherever applicable otherwise provided in syllabus itself.

SECTION A	1 mark Objective type questions	3 Questions from each unit and totally 15 Questions	15X1= 15 Marks
SECTION B	Short answer questions – 2 out of 5 questions	1 Questions from each unit and totally 5 questions	2 X5 =10 Marks
SECTION C	5 Essay type question- Either...or...questions	2 Questions from each unit and totally 10 Questions	5X10= 50 Marks
Total marks			75 Marks

15. Syllabus

The syllabus for this course shall be clearly demarcated into five viable units in each paper/subject.

16. Revision of Regulations and Curriculum

The above Regulation and Scheme of Examinations shall be in vogue without any change for a



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR

SALEM – 636011

DEGREE OF BACHELOR OF SCIENCE

CHOICE BASED CREDIT SYSTEM

Syllabus for

B. SC. COMPUTER SCIENCE

(SEMESTER PATTERN)

**(For Candidates admitted in the Colleges affiliated to
Periyar University from 2017 - 2018 onwards)**

7. Marks Distribution and Question Paper Pattern for B.Sc.,

CS 7.1 Theory –Marks Distribution

Maximum Marks	: 100 Marks
External [EA]	: 75 Marks
Internal [CIA]	: 25 Marks

7.1 (a). Theory - Question Paper Pattern [External] (Total Marks: 75)

PART – A (10 x 2 = 20 Marks)

(Answer ALL questions), (Two questions from each unit)

PART – B (5 x 5 = 25 Marks)

(Answer ALL questions) & (One question from each unit with Internal Choice)

PART – C (3 x 10 = 30 Marks)

(Answer ANY THREE questions) & (Open Choice – 3 out of 5 questions)

7.1 (b). Theory - Internal Marks Distribution (Total Marks: 25)

Attendance	: 5 Marks
Assignment	: 5 Marks
Test	: 15 Marks

7.2. Practical – Marks Distribution

Maximum Marks	: 100 Marks
External [EA]	: 60 Marks
Internal [CIA]	: 40 Marks

04

PERIYAR UNIVERSITY

7.2 (a). Practical - External Marks Distribution (Total Marks: 60)

For each practical question the marks should be awarded as follows (External)

i) Algorithm / Flowchart	- 20%
ii) Writing the program in the main answer book	- 30%
iii) Test and debug the program	- 30%
iv) Display the correct output	- 20%

(Marks may be proportionately reduced
for the errors committed in each of the above)

Practical Question Paper Pattern

➤ Student should attend two questions (either or pattern)

Note:

- Practical I to Practical VI and SBEC Practical has same pattern
- Core Practical Examination must be conducted at the end of every Semester

7.2 (b). Practical - Internal Marks Distribution (Total Marks: 40)

- Record : 15 Marks
- Internal Practical examinations : 25 Marks



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR

SALEM – 636011

B.Sc. COMPUTER SCIENCE

CHOICE BASED CREDIT SYSTEM

OBE REGULATIONS AND SYLLABUS

(SEMESTER PATTERN)

**(For Candidates admitted in the Colleges affiliated to Periyar
University from 2021 - 2022 onwards)**

11. Marks Distribution and Question Paper Pattern for B.Sc.,**11.1 Theory –Marks Distribution**

Maximum Marks	: 100 Marks
External [EA]	: 75 Marks
Internal [CIA]	: 25 Marks

5**(a). Theory - Question Paper Pattern [External] (Total Marks: 75)**

Section	Approaches	Mark Pattern
A	One word (Answer all questions & Three questions from each unit)	15X1 = 15 (Multiple Choice Questions)
B	100 to 200 words (Answer any Two out of five questions & One question from each unit)	2X5 = 10 (Analytical type questions)
C	500 to 1000 words (Answer ALL questions & One question from each unit with Internal Choice)	5X10 = 50 (Essay type questions)

(b). Theory - Internal Marks Distribution (Total Marks: 25)

Attendance	: 5 Marks
Assignment	: 5 Marks
Test	: 15 Marks

11.2. Practical – Marks Distribution

Maximum Marks	: 100 Marks
External [EA]	: 60 Marks
Internal [CIA]	: 40 Marks

(a) practical-External marks distribution (Total Marks :60)

For each practical question the marks should be awarded as follows (External)

i)	Algorithm/flowchart	- 20%
ii)	Writing the program in the main answer book	- 30%
iii)	Test and debug the program	- 30%
iv)	Printing the correct output	- 20%

(Marks may be proportionately reduced for the errors committed in each of the above)

5

B.Sc-Computer Science Syllabus under CBCS Pattern with effect from 2021-2022 Onwards**Practical Question Paper Pattern**

Student should attend two questions (either / or pattern)

Note:

- Practical I to Practical VII and SBEC Practical have the same pattern
- Core and SBEC Practical Examination must be conducted at the end of every Semester

(b). Practical - Internal Marks Distribution (Total Marks: 40)

• Record	: 15 Marks
• Internal Practical examinations	: 25 Marks

11.3 Project Evaluation:

Continuous Internal Assessment	: 40 Marks
Evaluation (External)	: 40 Marks
Viva-voce (jointly)	: 20 Marks

**PERIYAR UNIVERSITY
PERIYAR PALKALAI NAGAR
SALEM 638 011**



**MASTER OF SCIENCE IN COMPUTER SCIENCE
(M.Sc Computer Science)
SEMESTER PATTERN
Under Choice Based Credit System**

**REGULATIONS AND SYLLABUS
FOR AFFILIATED COLLEGES
(Effective from the Academic year 2017-2018 onwards)**

6. EXAMINATIONS

6.1 THEORY

6.1.1 EVALUATION OF CONTINUOUS INTERNAL ASSESSMENT

Test	:	10 Marks
Seminar	:	05 Marks
Assignment	:	05 Marks
Attendance	:	05 Marks

Total	:	25 Marks

(No passing minimum)

6.1.2 EVALUATION OF EXTERNAL ASSESMENT QUESTION PAPER PATTERN

Time: 3 Hours

Max. Marks: 75

PART- A: 5x5 = 25 marks

Answer all the questions

One question from each unit (either or type)

PART- B: 5x10 = 50 marks

Answer all the questions

One question from each unit (either or type)

The Passing minimum shall be 50% out of 75 marks (38 marks)

6.2 PRACTICAL / SOFTWARE DEVELOPMENT

6.2.1 EVALUATION OF CONTINUOUS INTERNAL ASSESSMENT

Test 1	:	15 Marks
Test 2	:	15 Marks
Record	:	10 Marks

Total	:	40 Marks

(No passing minimum)

6.2.2 EVALUATION OF EXTERNAL ASSESSMENT

I) PRACTICAL

QUESTION PAPER PATTERN

Time: 3 Hours

Max. Marks: 60

There will be two questions with or without subsections to be asked for the practical examination. Every question should be chosen from the question bank prepared by the examiner(s). Every sixth student should get a new question i.e. each question may be used for at most five students.

Distribution of Marks

Each question	:	30 Marks
Problem Understanding	:	05 Marks
Program writing	:	10 Marks
Debugging	:	10 Marks
For Correct Results	:	05 Marks

PERIYAR UNIVERSITY
PERIYAR PALKALAI NAGAR SALEM 636 011



MASTER OF SCIENCE IN COMPUTER SCIENCE
SEMESTER PATTERN
Under Choice Based Credit System

REGULATIONS AND SYLLABUS
FOR AFFILIATED COLLEGES
(Effective from the Academic year 2021 - 2022 onwards)

6. EXAMINATIONS

THEORY

EVALUATION OF CONTINUOUS INTERNAL ASSESSMENT

Test	:10 Marks
Seminar	:05 Marks
Assignment	:05 Marks
Attendance	:05 Marks

Total	:25 Marks

(No passing minimum)

6

5

EVALUATION OF EXTERNAL ASSESMENT QUESTION PAPER PATTERN

Time: 3 Hours

Max. Marks: 75

PART- A: 15x1 = 15 marks

Answer all the questions

Three questions from each unit (Multiple Choice Questions)

PART- B: 2x5 = 10 marks

Answer any TWO questions

One question from each unit

PART- C: 5x10 = 50 marks

Answer all the questions

One question from each unit (either or type)

The Passing minimum shall be 50% out of 75 marks (38 marks)

PRACTICAL / SOFTWARE DEVELOPMENT

EVALUATION OF CONTINUOUS INTERNAL ASSESSMENT

Test1	:	15 Marks
Test2	:	15 Marks
Record	:	10 Marks

Total	:	40 Marks

(Record Note must be compulsorily submitted while attending the Practical Examination and No passing minimum)

EVALUATION OF EXTERNAL ASSESSMENT

I) PRACTICAL

QUESTION PAPER PATTERN

Time: 3Hours

Max. Marks:60

There will be two questions with or without subsections to be given for the practical examination. Every question should be chosen from the question bank prepared by the examiner(s).

Distribution of Marks

Each question	: 30 Marks	Problem Understanding	: 05
Marks Program writing	: 10 Marks		
Debugging	: 10 Marks		
For Correct Results	: 05 Marks		

PERIYAR UNIVERSITY
PERIYAR PALKALAI NAGAR SALEM 636 011



MASTER OF SCIENCE IN COMPUTER SCIENCE
SEMESTER PATTERN
Under Choice Based Credit System

REGULATIONS AND SYLLABUS
FOR AFFILIATED COLLEGES
(Effective from the Academic year 2023 - 2024 onwards)

x) EXTERNAL ASSESSMENT QUESTION PAPER PATTERN (THEORY)

Time: 3 Hours

Max. Marks: 75

PART- A: 15x1 = 15 marks

Answer all the questions

Three questions from each unit (Multiple Choice Questions)

PART- B: 2x5 = 10 marks

Answer any TWO questions

One question from each unit

PART- C: 5x10 = 50 marks

Answer all the questions

One question from each unit (either or type)

The Passing minimum shall be 50% out of 75 marks (38 marks)

xi) CONTINUOUS INTERNAL ASSESSMENT FOR PRACTICAL

Test1 : 15 Marks

Test2 : 15 Marks

Record: 10 Marks

Total : 40 Marks

(Record Note must be compulsorily submitted while attending the Practical Examination and No passing minimum)

8

xii) EXTERNAL ASSESMENT QUESTION PAPER PATTERN (PRACTICAL)

Exam duration: 3 Hours

Max. Marks:60

There will be two questions with or without subsections to be given for the practical examination. Every question should be chosen from the question bank prepared by the examiner(s).

Distribution of Marks

Each question : 30 Marks

Problem Understanding : 05 Marks

Program writing : 10 Marks

Debugging : 10 Marks

For Correct Results : 05 Marks

xiii) ASSESSMENT OF PROJECT WORK

Continuous Internal Assessment : 50 Marks

Review I : 25 Marks

Review II : 25 Marks

External Assessment :

Evaluation & Viva-Voce (Jointly) : 150 Marks

11. MARKS DISTRIBUTION AND QUESTION PAPER PATTERN FOR BCA

11.1 Theory –Marks Distribution

Maximum Marks : 100 Marks

External [EA] : 75 Marks

Internal [CIA] : 25 Marks

(a) Theory - Question Paper Pattern [External]

(Total Marks: 75)

Section	Approaches	Mark Pattern
A	One word (Answer all questions & Three questions from each unit)	15X1 = 15 (Multiple Choice Questions)
B	100 to 200 words (Answer any Two out of five questions & One question from each unit)	2X5 = 10 (Analytical type questions)
C	500 to 1000 words (Answer ALL questions & One question from each unit with Internal Choice)	5X10 = 50 (Essay type questions)

(b) Theory - Internal Marks Distribution (Total Marks: 25)

Attendance : 5 Marks

Assignment : 5 Marks

Test : 15 Marks

11.2. Practical – Marks Distribution

Maximum Marks : 100 Marks

External [EA] : 60 Marks

Internal [CIA] : 40 Marks

(a) Practical-External Marks Distribution (Total Marks :60)

For each practical question the marks should be awarded as follows (External)

- | | | |
|------|---|------|
| i) | Algorithm/flowchart | -20% |
| ii) | Writing the program in the main answer book | -30% |
| iii) | Test and debug the program | -30% |
| iv) | Printing the correct output | -20% |

(Marks may be proportionately reduced for the errors committed in each of the above)



PERIYAR UNIVERSITY

SYLLABUS FOR B.Sc. NUTRITION AND DIETETICS

DEGREE OF BACHELOR OF SCIENCE
CHOICE BASED CREDIT SYSTEM



(For Candidates admitted in the College affiliated to
Periyar University from 2017 - 2018 onwards)

Classification of Internal Assessment Structure:

	Marks
Test -	15
Assignment -	05
Attendance -	05
	<hr/>
	25 Marks
	<hr/>
Passing Minimum (IA) - 40 %	- 10 Marks
Passing Minimum (UE) - 40 %	- 30 Marks
	<hr/>
Total Passing Minimum	- 40 Marks
	<hr/>

PRACTICAL

University Examination (UE) 60 Marks	Internal Assessment (IA) 40 Marks
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Classification of Internal Assessment Structure:

	Marks
Practical -	25
Record -	05
Attendance -	05
	40 marks
Passing Minimum (IA) - 40 %	- 16 Marks
Passing Minimum (UE) - 40 %	- 24 Marks
	<hr/>
Total Passing Minimum	- 40 Marks
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PERIYAR UNIVERSITY

SYLLABUS FOR M. Sc. FOOD AND NUTRITION

**DEGREE OF MASTER OF SCIENCE
CHOICE BASED CREDIT SYSTEM**



**(For Candidates admitted in the College affiliated to
Periyar University from 2017 - 2018 onwards)**

DISSERTATION: EVALUATION PATTERN

Internal	:	40 marks (Awarded by respective guides)
External	:	60marks
Report valuation	:	40 marks
Viva Voce	:	20 marks

PRACTICAL MARKS DISTRIBUTION

External	:	60 marks
Internal	:	40 marks

Practical external marks

Practical	:	50 marks
Record	:	10 marks

Practical Internal marks

Record	:	10 marks
Practical	:	30 marks

Passing minimum (Internal Assessment) – 50%	-	20 marks
Passing minimum (External Assessment) – 50%	-	30 marks

50 marks

**PERIYAR UNIVERSITY
PERIYAR PALKALAI NAGAR
SALEM - 636 011**



**DEGREE OF MASTER OF SCIENCE
CHOICE BASED CREDIT SYSTEM
SYLLABUS FOR M.Sc. FOOD & NUTRITION
FOR THE STUDENTS ADMITTED FROM THE
ACADEMIC YEAR 2021 - 2022 ONWARDS**

Elective course 3	Food biotechnology
Elective course 4	Nutraceuticals
Other compulsory courses	
EDC	Extra disciplinary course
HR	Human rights (Common to all PG)
Online course	SWAYAM/MOOC

Examinations

Examinations are conducted in semester pattern. The examination for the Semester I & III will be held in November/December and that for the Semester II and IV will be in the month of April/May. Candidates failing in any subject (both theory and practical) will be permitted to appear for such failed subjects in the same syllabus structure at subsequent examinations within next 5 years.

Scheme for Evaluation

Theory Examination

Scheme for **internal marks** (25 marks)

Assignment	- 5 marks
Seminar with PPT presentation	- 5 marks
Tests	- 10 marks (Average of best 2 out of 3 tests)
Attendance	- 5 marks

Scheme for **external marks** (75 marks)

Part A

Answer all the questions (Objective type) (15x1=15 marks)

Part B

Answer any 2 questions (Analytical question) (2x5=10 marks)

Part C

Answer all the questions (descriptive type internal choice questions) (5x10=50 marks)

Equal weightage will be given to all the units in all parts of the question paper.

Practical examination

Scheme for **internal marks** (40 marks)

Good laboratory practices	- 10 marks
Performance evaluation based on observation note and record	- 15 marks
Internal tests (Average of best 2 out of 3 tests)	- 10 marks
Attendance	- 5 marks

Scheme for **external marks** (60 marks)

Record	- 10 marks
Practical	- 50 marks

Dissertation

Internal evaluation (40 marks)

Innovative idea	- 10 marks
Performance evaluation	- 10 marks
Report preparation	- 20 marks

External evaluation (60 marks)

Report and presentation	- 40 marks
Viva voce	- 20 marks

Passing minimum

A candidate who secures not less than 50% in the internal mark as well as not less than 50% in the external mark in the duly conducted examinations in the above mentioned pattern for the respective courses shall be declared to have passed the examination conducted for those particular courses. For practical examinations, submission of record notebook is a must.

Grading

Grade of marks	Grade points	Letter grade	Description
90-100	9.0 - 10.0	O	Outstanding
80-89	8.0 - 8.9	D+	Excellent
75-79	7.5 - 7.9	D	Distinction
70-74	7.0 - 7.4	A+	Very Good
60-69	6.0 - 6.9	A	Good
50-59	5.0 - 5.9	B	Average
00-49	0.0	U	Re-appear
ABSENT	0.0	AAA	ABSENT

Ranking

Candidates who pass all the examinations prescribed for the program in the first appearance and within the minimum stipulated time from the year of admission only are eligible for University Ranking.

Commencement of this regulation

These regulations may take effect from the academic year 2021-2022 for the students admitted from the academic year 2021-2022 and thereafter until further notice.

PERIYAR UNIVERSITY
PERIYAR PALKALAI NAGAR
SALEM – 636 011



**SYLLABUS FOR
B.Sc. – NUTRITION AND DIETETICS**

CHOICE BASED CREDIT SYSTEM

OUTCOME BASED EDUCATION

(For Candidates admitted in the Colleges affiliated
to Periyar University from 2021 - 2022 onwards)

Time : 3 Hours

Maximum:75 Marks

Part A : 15 x 1 = 15 (Multiple Choice) (Three questions from each unit)

Part B : 2 x 5 = 10 (Any Two questions) (One question from each unit)

Part C : 5 x 10 = 50 (One question from each unit with internal choice)

11. EVALUATION PATTERN FOR INTERNAL ASSESSMENT**11A. THEORY PAPERS**

component	Time	Total Marks	IA marks
Test I	2 hours	50	10
Test II	2 hours	50	10
Assignment (minimum 2)		10	05
		Total	25

PASS PERCENTAGE

Passing minimum (Internal Assessment) 40%	10 marks
Passing minimum (External Assessment) 40%	30 marks
Total	40 marks

11B. PRACTICALS

External Assessment (EA)		Internal Assessment (IA)	
60 Marks		40 Marks	
component	Time	Total Marks	IA marks
Practical I	3 hours	50	15
Practical I	3 hours	50	15
Record			05
Attendance			05
		Total	40

PASS PERCENTAGE

Passing minimum (Internal Assessment) 40%	16 marks
Passing minimum (External Assessment) 40%	24 marks
Total	40 marks

Programme Outcomes

PO1. KNOWLEDGE

Students:

- Follow the developments in the field of nutrition and dietetics.
- Have knowledge and skill of the information and communication technologies essential to follow today's technological developments and improve themselves in this field.
- Acquire the skill of understanding the basic values and culture of the society they live in, adapting to these and changing themselves positively.
- Have knowledge of the concepts of physiology, nutritional biochemistry, nutrition, dietetics and other related to human health.

PO2. SKILLS

Students:

- Acquire the ability to apply the knowledge and skills they obtain to the situations encountered in both national and international level, as well as the ability of lifelong learning.
- Aware of professional ethics.
- Apply the scientific methods and techniques, as well as quality management processes related to their field.
- Acquire the skills of designing experiments/projects and conducting and interpreting them by analysing their results.

PO3. COMPETENCES



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR

SALEM - 636011

DEGREE OF MASTER OF COMMERCE
CHOICE BASED CREDIT SYSTEM

SYLLABUS FOR
MASTER OF COMMERCE (M.COM.)
(SEMESTER PATTERN)

**(For Candidates admitted in the Colleges affiliated to
Periyar University from 2017-2018 onwards)**

REGULATIONS

1. ELIGIBILITY FOR ADMISSION TO THE COURSE

Pass in B.Com, B.Com (CA), B.Com (e-com), B.B.A, B.B.M, BBA/BBM (CA), B.COM (Corporate Secretaryship), B.Com (Corporate Secretaryship) with CA, BCS, BCS (CA), B.A (Corporate Secretaryship), B.A (Corporate Secretaryship) with CA, B.Sc (Computer Science), BCA and B.Com (Co-operation).

2. DURATION OF THE COURSE

The course shall extend over a period of two years comprising four semesters, with two semesters per year. There shall not be less than ninety instructional days for each semester. Examination shall be conducted at the end of each semester for the respective subjects.

3. THE CBCS SYSTEM

The PG programme shall be conducted on Choice Based Credit System (CBCS). It is an instructional package developed to suit the needs of students to keep pace with the developments in higher education and the quality assurance expected of it in the light of liberalization and globalization in higher education. The term 'credit' refers to the weightage given to a course, usually in relation to the instructional hours assigned to it. However, in no instance the credits of a course can be greater than the hours allotted to it. Each Course is designed variously under lectures / tutorials / laboratory or field work / seminar / practical training / Assignments / Report writing etc., to meet effective teaching and learning needs.

4. SUBJECTS OF STUDY

The total number of subjects of study will be 21 including one project work for 200 marks. The Project Report must be submitted through the supervisor and the Head of the Department on or before 31st March of the Second year.

5. CLASSIFICATION OF THE SUCCESSFUL CANDIDATES

Successful candidates passing the examinations and securing

- ❖ Marks 50% and above Pass-Second Class
- ❖ 60% and above Pass- I Class.

6. EVALUATION

The performance of a student in each course is evaluated in terms of percentage of marks with a provision for conversion to grade points. Evaluation for each course shall be done by a Continuous Internal Assessment (CIA) by the course teacher concerned as well as by an end semester examination and will be consolidated at the end of the course. The components for continuous internal assessment are:

Test	:	10 Marks
Seminar	:	5 Marks
Assignment	:	5 Marks
Attendance	:	5 marks
Total	:	25 Marks

7. Passing Minimum:

- ❖ Separate passing minimum is prescribed for Internal and External
- ❖ The passing minimum for CIA shall be 50% out of 25 marks (i.e. 12.5 Marks).
- ❖ The passing minimum for University Examination shall be 50% out of 75 marks (i.e. 37.5 Marks)

Question Paper Pattern

Time: 3 Hours

Max. Marks: 75

Part -A (5 x 5=25 Marks)

(Answer all questions)

All questions carry equal marks.

One question from each unit with internal choice.

Either

(or)

Pattern

Part-B (5 x 10=50 Marks)

(Answer all questions)

All questions carry equal marks.

One question from each unit with internal choice.

Either

(or)

Pattern.

[Question Paper Pattern Model – Last Page]

**M.COM
SEMESTER - IV
PROJECT WORK**

MARKS ALOTTED

Dissertation	-	150
Viva Voce	-	50
Total	-	200

GUIDELINES FOR PROJECT WORK:

(a) Topic:

The topic of the project work shall be assigned to the candidate before the end of second semester.

(b) No. of copies of the Project Report:

The students should prepare two copies of the project report and submit the same for the evaluation by Examiners. After evaluation one copy is to be retained in the college library and one copy can be returned to the student.

(c) Format to be followed:

The formats / certificate for project report to be submitted by the students are given below:

Format for the preparation of project report:

- (a) Title page
- (b) Bonafide Certificate
- (c) Acknowledgement
- (d) Table of contents
- (e) Text of the project
- (f) Bibliography
- (g) Appendix



PERIYAR UNIVERSITY

PERIYAR PALKALAI NAGAR

SALEM - 636011

DEGREE OF MASTER OF COMMERCE
CHOICE BASED CREDIT SYSTEM

SYLLABUS FOR
MASTER OF COMMERCE (M.COM.)
(SEMESTER PATTERN)

(For Candidates admitted in the Colleges affiliated to
Periyar University from 2021-2022 onwards)

REGULATIONS

1. ELIGIBILITY FOR ADMISSION TO THE COURSE

Pass in B.Com, B.Com (CA), B.Com (e-com), B.B.A, B.B.M, BBA/BBM (CA), B.COM (Corporate Secretaryship), B.Com (Corporate Secretaryship) with CA, BCS, BCS (CA), B.A (Corporate Secretaryship), B.A (Corporate Secretaryship) with CA, and B.Com (Co-operation).

2. DURATION OF THE COURSE

The course shall extend over a period of two years comprising four semesters, with two semesters per year. There shall not be less than ninety instructional days for each semester. Examination shall be conducted at the end of each semester for the respective subjects.

3. THE CBCS SYSTEM

The PG programme shall be conducted on Choice Based Credit System (CBCS). It is an instructional package developed to suit the needs of students to keep pace with the developments in higher education and the quality assurance expected of it in the light of liberalization and globalization in higher education. The term 'credit' refers to the weightage given to a course, usually in relation to the instructional hours assigned to it. However, in no instance the credits of a course can be greater than the hours allotted to it. Each Course is designed variously under lectures / tutorials / laboratory or field work /seminar / practical training / Assignments / Report writing etc., to meet effective teaching and learning needs.

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6. EVALUATION

The performance of a student in each course is evaluated in terms of percentage of marks with a provision for conversion to grade points. Evaluation for each course shall be done by a Continuous Internal Assessment (CIA) by the course teacher concerned as well as by an end semester examination and will be consolidated at the end of the course. The components for continuous internal assessment are:

Test	:	10 Marks
Seminar	:	5 Marks
Assignment	:	5 Marks
Attendance	:	5 marks
Total	:	25 Marks

7. Passing Minimum:

- ❖ Separate passing minimum is prescribed for Internal and External
- ❖ The passing minimum for CIA shall be 50% out of 25 marks (i.e. 12.5 Marks).
- ❖ The passing minimum for University Examination shall be 50% out of 75 marks (i.e. 37.5 Marks)

8. Internship Training (Non credit course)

8(a) The students should undergo a compulsory minimum ten days internship Training during the second semester to any commerce related industries, Banking companies, Insurance companies and Audit offices. At the end of the Training, the students should submit the report.

8(b) For the internship training a candidate should secure 50% of the marks for passing. The candidate should compulsorily submit and report an oral presentation to secure pass in that paper.

Maximum Marks	50 Marks
Submission of Report	40 Marks
Oral Presentation	10 Marks

Passing minimum- 25 Marks

Question Paper Pattern

Time: 3 Hours

Max. Marks: 75

Part -A (15 x 1=15 Marks)

(Answer all questions)

Three questions from each unit with Multiple Choice.

Part-B (2 x 5=10 Marks)

(Answer any Two questions out of Five)

Part-C (5 x 10=50 Marks)

(Answer all questions)

All questions carry equal marks.

One question from Each Unit.

Either

(or)

Pattern.

[Question Paper Pattern Model - Last Page]

**M.COM
SEMESTER - IV
PROJECT WORK**

MARKS ALOTTED

Dissertation	-	150
Viva Voce	-	50
Total	-	200

GUIDELINES FOR PROJECT WORK:

(a) Topic:

The topic of the project work shall be assigned to the candidate before the end of second semester.

(b) No. of copies of the Project Report:

The students should prepare two copies of the project report and submit the same for the evaluation by Examiners. After evaluation one copy is to be retained in the college library and one copy can be returned to the student.

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- (d) Table of contents
- (e) Text of the project
- (f) Bibliography
- (g) Appendix

Model Question

Sub. Code :			
Sub Title :			
Time:	3.00 Hrs	Maximum :	75 Marks

PART – A		CHOOSE THE BEST ANSWER		(15 * 1 =15 Marks)	
(3 Questions from each Unit)					
1.	Question				
	Ans: a)	b)	c)	d)	
2.	Question				
	Ans: a)	b)	c)	d)	
3.	Question				
	Ans: a)	b)	c)	d)	
4.	Question				
	Ans: a)	b)	c)	d)	
5.	Question				
	Ans: a)	b)	c)	d)	
6.	Question				
	Ans: a)	b)	c)	d)	
7.	Question				
	Ans: a)	b)	c)	d)	
8.	Question				
	Ans: a)	b)	c)	d)	
9.	Question				
	Ans: a)	b)	c)	d)	
10.	Question				
	Ans: a)	b)	c)	d)	
11.	Question				
	Ans: a)	b)	c)	d)	

12	Question
	Ans: a) b) c) d)
13	Question
	Ans: a) b) c) d)
14	Question
	Ans: a) b) c) d)
15	Question
	Ans: a) b) c) d)

PART – B		ANSWER ANY TWO QUESTIONS	(2 * 5 =10 Marks)
16.	From Unit – I		
17.	From Unit – II		
18.	From Unit – III		
19.	From Unit – IV		
20.	From Unit – V		

PART – C		ANSWER ALL THE QUESTIONS	(5 * 10 =50 Marks)
21.	(a)	From first half of Unit - I	
		(OR)	
	(b)	From second half of Unit - I	
22.	(a)	From first half of Unit - II	
		(OR)	
	(b)	From second half of Unit - II	
23.	(a)	From first half of Unit - III	
		(OR)	
	(b)	From second half of Unit - III	
24.	(a)	From first half of Unit - IV	
		(OR)	
	(b)	From second half of Unit - IV	
25.	(a)	From first half of Unit - V	
		(OR)	
	(b)	From second half of Unit - V	