

**STUDY OF EVALUATION SCHEME
OF
COURSE WORK
FOR
Ph.D. PROGRAMME**

SRINIVAS UNIVERSITY
Srinivas Nagar, Mukka, Mangaluru – 574 146.

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**[In compliance of University Grants Commission (Minimum
Standards and Procedures for Award of M.Phil./Ph.D. Degree)
Regulations, 2016]**

Effective from 2017

SCHEME OF EVALUATION

For Research Methodology I & Research Methodology II

M.Phil. & Ph.D. Degree Programme

Course Work Pattern : MANAGEMENT

S. No.	Subjects	Exam (Hours)	Credits	Marks
1	Qualitative & Quantitative Research	3	4	100
2	Subject Paper	3	4	100
3	Publication and Presentation on Research findings on their Research Topic	-	4	100
4	Publication of Case studies/Preliminary research on related topic of the research	-	4	100
Total			16	400

Minimum for Pass required: 50% Marks in each individual subject.

A. Course Work : 400 M (Common to both M.Phil. & Ph.D.)

1. Qualitative & Quantitative Research Methods : 100 M

Four Assignments (20 Marks each) & SPSS Certification:

- (1) Assignment 1 : Various Research methods & Methodologies & Their Applications.
- (2) Assignment 2 : Empirical Research, Hypothesis Testing, Data Collection, Analysis & Interpretation.
- (3) Assignment 3 : Focus Group Interactions & Model Building
- (4) Assignment 4 : Data Analysis using MS Excel /SPSS
- (5) SPSS Certification : Online

2. Subject Paper : Principles of Business Management : 100 M

Exam Paper on : (a) People, Management, and Policy – 20 M

(b) Money : Economics, Finance, and Accounting – 20 M

(c) Markets & Strategy – 20 M

(d) Systems & Processes – 20 M

(e) Organizational Behaviour – 20 M

Book References : (1) MBA in a Day : Steven Stralser

(2) Organizational Behaviour : P. S. Aithal

Note : Prepare and submit an Assignment which consists of 250 MCQs and answers.

3. Student Presentation on Literature Review on their Research Topic : 200 M

Topic Identification, preparing a Review Article on the identified topic with minimum 10 book reference, 50 research article reference, & 10 website reference. PPT Presentation & Publication of Review Article : 100 M

4. Analysis of their Course work

- (1) Industry Analysis & Publication : 50 M
- (2) Company Analysis & Publication : 50 M

Section B :

M.Phil. Dissertation : 600 M

Empirical Study on any identified Topic with 5/6 Chapters



M.Phil. & Ph.D. Degree Programme

Course Work Pattern : COMPUTER SCIENCE

S. No.	Subjects	Exam (Hours)	Credits	Marks
1	Qualitative & Quantitative Research	3	4	100
2	Subject Paper	3	4	100
3	Publication and Presentation on Research findings on their Research Topic	-	4	100
4	Publication of Case studies/Preliminary research on related topic of the research	-	4	100
Total			16	400

Minimum for Pass required : 50% Marks in each individual subject.

A. Course Work : 400 M (Common to both M.Phil. & Ph.D.)

1. Qualitative & Quantitative Research Methods : 100 M

Four Assignments (20 Marks each) & SPSS Certification :

- (1) Assignment 1 : Parallel Computing
- (2) Assignment 2 : Mobile Computing
- (3) Assignment 3 : E-Technologies including Data mining, Data Warehousing, & Data Analytics.
- (4) Assignment 4 : Artificial Intelligence / Image Processing / Neural Networks / Cloud Computing
- (5) Research Methods & Techniques Certification : Online at NPTEL

2. Subject Paper : Principles of Business Management : 100 M

- Exam Paper on :
- (a) Computer Architecture – 20 M
 - (b) Programming in C & C++ – 20 M
 - (c) Relational Database Design & SQL – 20 M
 - (d) Data & File Structure – 20 M
 - (e) Software Engineering – 20 M

Note : Prepare and submit an Assignment which consists of 250 MCQ and answers.

3. Student Presentation on Literature Review on their Research Topic : 200 M

Topic Identification, preparing a Review Article on the identified topic with minimum 10 book reference, 50 research article reference, & 10 website reference. PPT Presentation & Publication of Review Article : 100 M

4. Analysis of their Course work

- (1) Industry Analysis & Publication : 50 M
- (2) Company Analysis & Publication : 50 M

Section B :

M.Phil. Dissertation : 600 M

Empirical Study on any identified Topic with 5/6 Chapters :

CH 1 : Computer Arithmetic

Propositional (Boolean) Logic, Predicate Logic, Well-formed-formulae (WFF), Satisfiability and Tautology.

Logic Families : TTL, ECL and C-MOS gates, Boolean algebra and Minimization of Boolean functions, Flip-flops-types, race condition and comparison. Design of Combinational and sequential circuits.

Representation of Integers: Octal, Hex, Decimal and Binary, 2's complement and 1's complement arithmetic. Floating point representation.

CH2 : Programming in C and C++

Programming in C : Elements of C – Tokens, identifiers, data types in C, Control structures in C, Sequence, selection and iteration(s), Structured data types in C – arrays, struct, union, string and pointers.

O-O Programming Concepts: Class, object, instantiation, Inheritance, polymorphism and overloading.

C++ Programming : Elements of C++ - Tokens, identifiers, variables and constants, Data Types, operators, Control statements, functions parameter passing, Class and objects. Constructors and destructors. Overloading, Inheritance, Templates, Exception handling.

CH3 : Relational Database Design and SQL

E-R diagrams and their transformation to relational design, normalization – 1NF, 2NF, 3NF, BCNF and 4NF. Limitations of 4NF and BCNF.

SQL : Data Definition Language (DDL), Data Manipulation Language (DML), Data Control Language (DCL) commands. Database objects like – views, indexes, sequences, synonyms, data dictionary.

CH4 : Data and File structures

Data, information, Definition of data structure, Arrays, stacks, queues, linked lists, trees, graphs, priority queues and heaps.

File Structures : Fields, records and files. Sequential, direct, index-sequential and relative files. Hashing, inverted lists and multi-lists. B trees and B+ trees.

CH5: Software Engineering

System Development Life Cycle (SDLC): Steps, Water fall model, Prototypes, Spiral Model.

Software Metrics : Software Project Management

Software Design: System Design, detailed design, function oriented design, object oriented design, user interface design. Design level metrics.

Coding and Testing : Testing level metrics. Software quality and reliability. Clean from approach, software reengineering.



SRINIVAS UNIVERSITY

M.Phil. & Ph.D. Degree Programme in Social Work

Course Work Pattern : SOCIAL SCIENCES

S. No.	Subjects	Exam (Hours)	Credits	Marks
1	Qualitative & Quantitative Research	3	4	100
2	Subject Paper	3	4	100
3	Publication and Presentation on Research findings on their Research Topic	-	4	100
4	Publication of Case studies/Preliminary research on related topic of the research	-	4	100
Total			16	400

Minimum for Pass required : 50% Marks in each individual subject.

A. Course Work : 400 M (Common to both M.Phil. & Ph. D.)

1. Research Methods in Social Work and Statistics: 100 M

Four Assignments (20 Marks each) & SPSS Certification

- (1) Assignment 1 : An overview of research process: preparation of research proposal
- (2) Assignment 2 : Sampling methods: probability and non-probability sampling, data collection and tools
- (3) Assignment 3 : Data Processing and Research Reporting
- (4) Assignment 4 : Social statistics: Mean, Median, and Mode.
- (5) SPSS Certification

2. Subject Paper: Development of Social Work Profession: 100 M

- (a) Exam Paper on: (a) Evolution of Social Work – 20 M
- (b) Social Work Methods – 20 M
- (c) Labour Welfare and Human Resource Management – 20 M
- (d) Medical and Psychiatric Social Work – 20 M
- (e) Community Development – 20 M

Book References :

- (1) Popular Master Guide UGC NET/SET Social Work: R. Guptha
- (2) Research Methodology: Methods and Techniques : C. R. Kothari

Note : Prepare and submit an Assignment which consists of 250 MCQs and answers.

3. Student Presentation on Literature Review on their Research Topic : 200 M

Topic Identification, preparing a Review Article on the identified topic with minimum 10 book reference, 50 research article reference, & 10 website reference. PPT Presentation & Publication of Review Article : 100 M

4. Analysis of their Course work

- (1) Industry Analysis & Publication : 50 M
- (2) Company Analysis & Publication : 50 M



SRINIVAS UNIVERSITY
M.Phil. & Ph.D. Degree Programme

1st August, 2017 – 31st January, 2018
Schedule for Course Work Completion

Section A – Course Work

Sl. No.	Subjects	Date of Completion
1	Qualitative and Quantitative Research Methods (100 M)	
1.1	Assignment 1	15.09.2017 Friday
1.2	Assignment 2	28.09.2017 Thursday
1.3	Assignment 3	14.10.2017 Saturday
1.4	Assignment 4	31.10.2017 Tuesday
1.5	Certificate Course (Online)	04.11.2017 Saturday
2	Subject Paper (100 M)	
2.1	Assignment 1 (MCQ)	07.11.2017 Tuesday
2.2	Assignment 2 (MCQ)	20.11.2017 Monday
2.3	Assignment 3 (MCQ)	29.11.2017 Wednesday
2.4	Assignment 4 (MCQ)	11.12.2017 Monday
2.5	Assignment 5 (MCQ)	20.12.2017 Wednesday
2.6	Subject Paper Examination	31.12.2017 Sunday
3	Presentation on Literature Review (200 M)	
3.1	Publication 1 & Presentation (Case Study 1)	01.01.2017 Monday
3.2	Publication 2 & Presentation (Case Study 2)	15.01.2017 Monday
3.3	Review Article on identified topic to be published in a Journal	30.01.2018 Tuesday

Registrar