



YENEPOYA
UNIVERSITY

Recognized under Sec 3(A) of the UGC Act 1956

Faculty of Nursing

Ph.D. Program

Paper I

Curriculum/Syllabus (Old)

Centre Ph.D. Program
Yenepoya University
Deralakatte, Mangalore -575 018
Karnataka, India

ATTESTED

Dr.Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka



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P.O. Nithyananda Nagar
Deralakatte
Mangalore - 575018
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No.YU/REG/ACA/A.Council-8(11)/2012

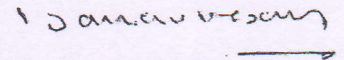
24.01.2012

NOTIFICATION-08-ACM/11/2012 DTD. 13.01.2012

Sub: Implementation of the Pre Ph.D course work for the Ph.D
Program

Ref: Approval of the 8th Academic Council at its meeting held on
13.01.2012, vide agenda-11

The Academic Council at its 8th meeting and subsequently the Board of Management at its 17th meeting held on 13.01.2012 have resolved to approve the proposal for implementation of the Pre Ph.D course work for the Ph.D Program.



REGISTRAR

To:

Dy. Director, MPhil Ph.D Programme



Office of the Registrar
University Road,
Deralakatte
Mangalore - 575018
Ph: 0824-2204667/68/69/71
Fax: 0824-2203943

No.YU/REG/ACA/A.Council-6(10)/2011

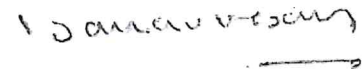
14.02.2011

NOTIFICATION-06-ACM/10/2011 DTD. 07.02.2011

Sub: Implementation of "Research Methodology & Biostatistics" for
Pre Ph.D examinations

Ref: Approval of the 6th Academic Council meeting held on 07.02.2011,
vide agenda - 10

The Academic Council at its 6th meeting held on 7th February 2011 and subsequently the Board of Management at its 13th meeting held on 8th February 2011 have resolved to approve the proposal for implementation on paper – I of Research Methodology & Biostatistics for the Pre Ph.D examinations.



REGISTRAR

Registrar
Yenepoya University
University Road, Deralakatte
Mangalore - 575 018

To:

Dy. Director, MPhil Ph.D Programme

PRE-Ph.D EXAMINATION - PAPER I – SYLLABUS

RESEARCH METHODOLOGY & BIOSTATISTICS

RESEARCH METHODOLOGY

Unit 1. Introduction to Research: General

(8 hours)

- ❖ Definition, need
- ❖ Kinds and purposes of Research: Diagnostic, Descriptive, Exploratory, Explanatory
- ❖ Research approaches
- ❖ Significance of research & importance
- ❖ Criteria of good research
- ❖ Research process : components
- ❖ Types of Research: Quantitative, Qualitative, Basic and applied

General Topics

- ❖ Guidelines for Research ICMR, WHO, Nursing
- ❖ Research Ethics – Animal ethics; Human ethics
- ❖ Biosafety : Good Lab Practices, Scientific integrity and code of conduct; Plagiarism

Unit 2. Literature survey; Proposal writing

(6 hours)

- ❖ Types of Literature search – use of library, books & journals – Medlines, internet, getting patents and article reprints as a source of literature survey
- ❖ Review of Literature– Formulation of Hypothesis
- ❖ Identification and selection of research problems, preparation of research proposal, synopsis.
- ❖ Research Proposal writing IP users, Plagiarism
- ❖

Unit 3. Research Design;Study design

(6 hours)

- ❖ Basic Concepts of Research Design & selection of research design
- ❖ Classification and types : Experimental, Pre-experimental, Quasi-Experimental designs and Non - experimental
- ❖ Historical design, Descriptive design, case control, cohort, cross sectional, longitudinal

Unit 4. Data Collection Techniques and Interpretation

(6 hours)

- ❖ Types of Data .
- ❖ Data Collection methods: Interview; Observation; Questionnaire
- ❖ Developing tools – Validity (internal & external), Reliability of the tools.

Unit 5. Research Reporting

Scientific Writing:

(6 hours)

- ❖ General structure of scientific reports :- IMRAD; Different types of scientific documents - journal articles, books, thesis, conference and project reports
- ❖ Components of a research paper - abstract, key words, main text, illustrations, supporting information; Publication process, copyright transfer. Open access terms
- ❖ Thesis: Structure and Content;
- ❖ Style manuals with examples (Harvard, Vancouver, APA, MLA); Citation styles: reference writing
- ❖ Evaluation of research reports/papers- Criteria: novelty, originality, adequacy of information, responsibility, limitations, etc.

Recommended Books:

- ❖ How to Write and Publish a Scientific Paper? ; Robert A. Day, Barbara Gastel ; 6th edition; Cambridge : Cambridge University ; 2006.
- ❖ Research Methodology Methods and Techniques; C.R. Kothari; 2nd edition; New Age International; 1990 (published in 2009).
- ❖ Research Methodology Methods and Statistical Techniques; Santosh Gupta; New Delhi: Deep & Deep Publications ; 2000.
- ❖ Research Methodology ; Indrayan
- ❖ Research Methodology by C. Rajendra Kumar Publisher, APH Publishing Corporation, 2008
- ❖ Research Methodology by Mukul Gupta & Deepa Gupta Publisher: PHI Learning Pvt. Ltd, print edition pages: 224, ISBN: 978-81-203-4381-8.
- ❖ Research Methodology: A step by step guide for beginners by Ranjit Kumar, *Third Edition*, Ranjit Kumar University of Western Australia, *SAGE Publications Ltd*
- ❖ Research Methodology by R. Pannarselvam, Publisher: PHI Learning, 2004, Edition: Second Edition, ISBN: 978-81-203-4946-9.
- ❖ Research Methods by Ram Ahuja, Rawat Publications, 01-Jan-2001 - Reference
- ❖ Introduction to Bio-statistics and Research methods by P.S.S Sundar Rao & J. Richard, Publisher: PHI Learning, 2012, Edition: fifth edition, ISBN: 978-81-203-4520-1
- ❖ Nursing Research : Principles & Methods 7th edition by Denise E. Polit Cheryl Tatano Beck, Published by CAMINO PALMERO
- ❖ Research Design: Qualitative, Quantitative and Mixed Methods Approaches: by Creswell
Sage South Asia Edition, 3rd Edition 2011
- ❖ Research Methodology: A guide for researchers in Management and Social Sciences, by Bill Taylor, Gautam Sinha, Taposh Ghoshal. , Published By PHI.
- ❖ Research Methods in Community Medicine: Surveys, Epidemiological Research, Programme Evaluation, Clinical Trials, Sixth Edition, by J. H. Abramson, Z. H. Abramson Print ISBN: 9780470986615, Copyright © 2008 John Wiley & Sons, Ltd
- ❖ Developing Research Proposals : by Pam Denicolo & Lucinda Becker; Sage South Asia Edition , Success in Research Series.
- ❖ Patient Care Research: by G D Mogli, Jaypee Brothers Medical publishers (P) Ltd
- ❖ Research Methods for Business- A Skill Building Approach: by Uma Sekaran and Roger Bougie; 5th Ed, Wiley India. Edition.

Pre PhD Course Work
Syllabus Biostatistics

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Unit 1. Basic concepts and descriptive statistics: (8 hours)

- Definition of statistics & biostatistics, population and sample, parameter and statistics; variables – different types, scales of measurement
- Types of data: qualitative and quantitative; tabulation of data - one-way and two-way tables, frequency table; visualisation of data – diagrams and graphs
- Measures of central tendency : Mean, median, mode; partition values – quartiles, percentiles
- Measures of variability: Range, inter-quartile range, standard deviation, mean deviation and coefficient of variation.
- Measures of skewness and kurtosis; Box plot and its application

Unit 2. Sampling techniques and Probability distributions (8 hours)

- Notion of a random variable, probability and probability distribution
- Normal probability distribution , properties of normal probability curve, applications of normality, divergence from normality, checking normality
- Sampling techniques: random sampling- simple random, stratified sampling , systematic sampling, cluster sampling; non random sampling, sample size determination

Unit 3. Testing of hypothesis (10 hours)

- Estimation of population parameters, standard error
- Principles of hypothesis testing: Null and alternate hypothesis, type-I and type - II error, power of the test, test statistic, p - value.
- Parametric tests: Z test, t-test, F-test: applications of these tests
- One way ANOVA , repeated measures ANOVA
- Non-Parametric tests : Chi-Square test, Mann- Whitney test, Wilcoxon Sign rank test, Kruskal - Wallis test.

Unit 4.

(6 hours)

Correlation & Regression Techniques: Correlation : scatter diagram, types of correlation

- Karl Pearson's Product Moment Correlation Coefficient (r)
- Spearman's Rank-order Correlation Coefficient (ρ)
- Linear regression analysis, introduction to logistic regression

Diagnostic tests & reliability tests

- Sensitivity, Specificity, Positive predictive value, Negative predictive value, False positive rate, False negative rate, Odds ratio
- Reliability & Validity, Measures of agreement: kappa statistics, intra-class correlation coefficient (ICC).

NOTE: Statistical software SPSS will be taught along with theory.

Reference Books:

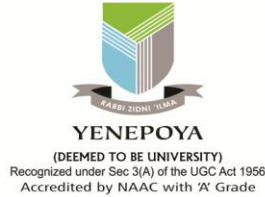
1. Biostatistics: A Foundation for Analysis of Health Sciences- Wayne Daniel; John Wiley and Sons, Inc.; 2009.
2. Basic Statistics: A Primer for the Biomedical Sciences - Olive Jean Dunn & Virginia A. Clark, John Wiley & Sons, 2009
3. Medical Statistics: A Guide to Data Analysis and Critical Appraisal – Jennifer Peat and Belinda Barton, Blackwell publishing, BMJ Books, 2004
4. Introductory Biostatistics : Chap T.Le, Wiley Interscience, 2003
5. Statistics at Square One - T. D. V. Swinscow and M.J. Campbell, 10th Edition, BMJ Books, 2002
6. Fundamentals of Biostatistics – Bernard Rosner, 7th Edition, Brooks/Cole, 2010

Faculty of Nursing

Ph.D. Program

Paper II

Curriculum/Syllabus



Faculty of Nursing Paper II - Syllabus

Sl.No	Name & Reg. No of the Ph.D Scholars	Name of the Topic	Curriculum Page No.
2019-20			
1.	Mr. Ananda S. 372/July 2019	A Study to assess the prevalence and lived experience of knee osteoarthritis among elderly adults and impact of acupressure therapy on physical and psychological parameters of elderly adults with knee osteoarthritis in selected rural areas of Mangaluru	13-16
2.	Mr. Gireesh G.R 376/July 2019	Effectiveness of guided imagery and mindfulness meditation (GI -MM) on Bio physiological and psychological parameters among patients with cancer	
2018-19			
3.	Ms. Anju Ullas 338/Jan 2019	Impact of multi dimensional education programme on improving Quality of diabetic care among hospital employees with Type 2 Diabetes mellitus in selected hospitals at Mangaluru	17-20
4.	Ms. Nithyashree B.V. 340/Jan 2019	Parent's perspective towards sexual harassment among children and effectiveness of multimodal preventive measures on selected outcomes among parents and children.	
5.	Ms. Janet Prima Miranda 353/Jan 2019	Effectiveness of counselling using Psychodrama on modifiable risks for the prevention of Coronary artery disease (CAD) among Perimenopausal women in a selected community area at Mangaluru	
6.	Ms. Hezil Reema Barboza 334 /July 2018	Effectiveness of instrumental music and nature based sound intervention on stress, anxiety, physiological parameters and health related quality of life in patients before and after abdominal surgery.	
7.	Ms. Savitha 335 /July 2018	Impact of need based health actions on knowledge on dietary practices, and nutritional status of children by involving parents of undernourished children residing in a rural area at Mangaluru taluk	

2017-18			
8.	Ms. Shycil Mathew 301/Jan 2018	Effectiveness of obesity Reduction and Awareness of Non communicable disease through Group health Education (ORANGE) based intervention programme on lifestyle related practice leading to obesity among adolescents studying in selected urban high schools at Mangaluru.	21-24
9.	Ms. Vijayalakshmi 307/Jan 2018	Sexual and reproductive health needs of women with severe mental illness” – A qualitative study	
10.	Ms. Susheela T. 308/Jan 2018	A study to evaluate the outcome of team based agile trained and non agile trained student’s clinical performance by OSCE and clinical evaluation proforma in the pediatric clinical clerkship	
11.	Ms. Sonya Sequeira 270/July 2017	Effectiveness of multisensory intervention with maternal participatory guidance on the health outcomes of preterm neonates and infants at a selected hospital, Mangaluru.	
12.	Prof. Shashikumar Jawadagi 280/July/2017	Effectiveness of educational intervention (STP and simulation skills) on knowledge and skills on chemotherapeutic drug safe handling among staff nurse working in hospital mangalore	
2016-17			
13.	Ms. Vinitha D’Souza 224/July 2016	Challenges to Exclusive breastfeeding among working and non- working mothers: A mixed method approach	25-28
14.	Ms. Pramila D’Souza 228/July 2016	Effect of Multi Modular Interventions (MMI) of lifestyle modification on symptoms of Poly cystic Ovarian Syndrome (PCOS) and Quality of Life among women of selected hospitals at Mangaluru	
15.	Ms. Reena Wilma Frank 229/July 2016	Effectiveness of resistance and aerobic exercises on glycemic control and pregnancy outcome -among gestational diabetes mellitus women in selected hospitals, Mangaluru".	
16.	Ms. Viji Prasad C. 230/ July 2016	Effect of communication skills training on nurse’s confidence and competence in providing psychosocial support to patients with cancer and their families	
17.	Ms. Renita Priya D’Souza 212/Jan 2016	A study to assess the effectiveness of child to community teaching approach on prevention of mosquito - borne diseases at selected community areas Mangalore.	

2015-16

18.	Ms.Kanitha D. 191/July 2015	Assessment of the knowledge and experience of workplace incivility among nursing professionals at selected setting to develop a manual on civility in work place (mcw).	29-32
19.	Ms. Poornima H.N. 194/July 2015	A study to explore the Psychosocial conditions of Technology Addiction among Teenage Adolescents with the aim to develop and to assess the efficacy of Psycho Educational module for promotion of healthy use of Technology among Adolescents	
20.	Ms. Prathiba 158/Jan 2015	A study to evaluate the effectiveness of nursing strategy on reduction of post-operative complication among women underwent total mastectomy in selected oncological institution	
21.	Prof. Praveena K.R 146 Jan 2015	A Phenomenological study on the lived experiences of women with ischemic heart disease in Calicut, Kerala	
22.	Ms. Flosy Rodrigues E 160/Jan 2015	The effectiveness of diabetes self management education (DSME) on knowledge of type 2 DM and glycemic control among adults in selected hospitals of Goa.	

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PhD Program Faculty of Nursing Paper II

The Paper II in the PhD Program is subject specific. The syllabus for the subject is prepared by the Research Guide in consultation with doctoral advisory committee. Accordingly, each candidate shall have separate syllabus based on the research topic.

Candidate wise research topic and syllabus for Paper II is compiled and presented here on.

Vinitha R. Pai

Vinitha Ramanath Pai, PhD
Deputy Director, MPhil and PhD Program
Yenepoya (Deemed to be University)

By: Director & MPhil & PhD Program
Yenepoya (Deemed to be University)

2019-20

“Paper II- Curriculum/ Syllabus”

YENEPOYA UNIVERSITY, MANGALORE

Ph.D (NURSING) PROGRAM

PAPER II- NURSING SCIENCE AND THEORETICAL FOUNDATION

Hours: 60

Course overview: This course is designed to prepare the doctoral student to trace the historical development and current status of nursing science in the context of the philosophy and history of science. It prepares the student to identify and utilize the nursing science and leadership roles on the basis for analyzing and development of nursing profession. It also facilitates critical analysis in evolution of nursing theories in accordance with growth of nursing and includes practice of modern informatics in nursing.

Objectives:

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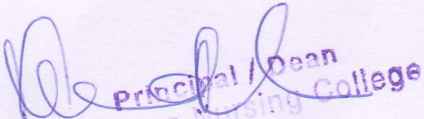
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II	Nursing as a profession & Professional advancements <ul style="list-style-type: none"> • Characteristics and criteria of the profession • Research in nursing • futuristic nursing • Extended and expanded role of nurse • Continuing education in nursing • Accountability and autonomy in nursing • Assertiveness and decision making in nursing 	8
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References:

1. Zwemer AJ. Professional adjustment and ethics for nurses in India. 6th ed. Chennai: BI Publications Pvt; 2008.
2. Diane LH. Leadership and nursing care management. 5th ed. Philadelphia :Saunders; 2014.
3. Nola AS, Janet MB. Evidence based practice for nurses: appraisal and application of research. 2nd ed. US: Jones and Bartlett Publication; 2011.
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 Principal / Dean
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2018-19

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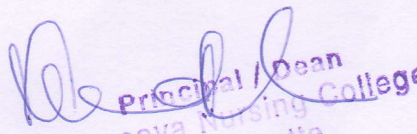
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2017-18

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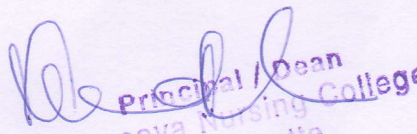
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2016-17

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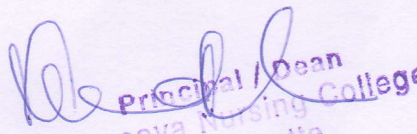
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 Yencpoya Nursing College
 Deralakatte
 Mangalore-575018

2015-16

“Paper II- Curriculum/ Syllabus”

YENEPOYA UNIVERSITY, MANGALORE

Ph.D (NURSING) PROGRAM

PAPER II- NURSING SCIENCE AND THEORETICAL FOUNDATION

Name of the Ph.D Scholars:
Ms. G. Prathiba,
Ms. D. Kanitha,
Ms. Poornima H.N.,
Prof. Praveena K.R,
Ms. Flosy Rodrigues E

Hours: 60

Course overview: This course is designed to prepare the doctoral student to trace the historical development and current status of nursing science in the context of the philosophy and history of science. It prepares the student to identify and utilize the nursing science and leadership roles on the basis for analyzing and development of nursing profession. It also facilitates critical analysis in evolution of nursing theories in accordance with growth of nursing and includes practice of modern informatics in nursing.

Objectives:

On completion of this course, the learner will be able to

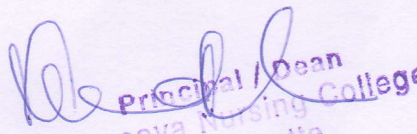
1. analyze the philosophy and current status of contemporary nursing science.
2. explore the impact of scientific issues on the development of nursing science.
3. describe the strategies for concept and theory development.
4. evaluate theories used in nursing practice.
5. explain the application of informatics in nursing.
6. analyze the leadership theories.
7. identify the enhanced leadership roles of nursing leaders for development of nursing profession and health needs of society.

UNIT	CONTENT	HOURS
I	Philosophy of nursing practice <ul style="list-style-type: none"> • History and philosophy • Nursing as science and discipline (evolution and development) • Current trends and issues • domains of nursing, paradigms in nursing, 	3
II	Nursing as a profession & Professional advancements <ul style="list-style-type: none"> • Characteristics and criteria of the profession • Research in nursing • futuristic nursing • Extended and expanded role of nurse • Continuing education in nursing • Accountability and autonomy in nursing • Assertiveness and decision making in nursing 	8
III	Legal and ethical implications in nursing <ul style="list-style-type: none"> - Code of ethics and code of professional conduct -Ethical principles in nursing -Nursing standards and nursing practice -Nursing audit and quality assurance JCAHO, NAAAC, NABH	7
IV	Overview of theories in nursing <ul style="list-style-type: none"> • Historical overview • Importance of theory in nursing • classification 	7
V	Theories and nursing practice <ul style="list-style-type: none"> • Concepts, definition, assumptions, conceptual models • Relationship of theory to the nursing process and client needs Health belief model, health promotion model,	20

	Interpersonal model, Betty Newman system model, Bio-psycho-social model.	
VI	Nursing informatics <ul style="list-style-type: none"> • Overview of computers and nursing • Application of computers in practice, administration, education and research • Nursing informatics and health care policy, privacy, confidentiality and security • The future of informatics 	8
VII	Leadership in nursing <ul style="list-style-type: none"> • Overview • Theories in leadership • Leadership and decision making • Human relations and communication skills 	7

References:

1. Zwemer AJ. Professional adjustment and ethics for nurses in India. 6th ed. Chennai: BI Publications Pvt; 2008.
2. Diane LH. Leadership and nursing care management. 5th ed. Philadelphia :Saunders; 2014.
3. Nola AS, Janet MB. Evidence based practice for nurses: appraisal and application of research. 2nd ed. US: Jones and Bartlett Publication; 2011.
4. George BJ. Nursing theories: the base for professional nursing practice. 6th ed. Norwalk: Appleton and Lange; 2010.
5. Bessie LM, Carol JH. Leadership roles and functions in nursing. 6th ed. New York: Lippincott; 2008.


 Principal / Dean
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Pre-PhD coursework

SCHEME OF PH.D. COURSE WORK, EXAMINATION, EVALUATION AND DECLARATION OF RESULTS (CLAUSE NO. 07)

1. The scheme for PhD Course Work Examination to be conducted by the University shall be as follows:
 - a) Three written papers (I, II and III) each of three hours duration and each carrying maximum of 100 marks and
 - b) Paper IV involving review of Literature and Planning and presentation of the synopsis of the Proposed Research Work with a Tentative Title (200 marks)

Papers	Particulars	No. of Credits	Marks
Paper 1	Research Methodology and Biostatistics	4	100
Paper 2	Theoretical Foundations	4	100
Paper 3	Recent Developments	4	100
Paper 4	Reviewing of Literature and Planning of the Proposed Research Work with a Tentative Title	4	200
	Total	16	500

Ph.D. Course Work Examination

The scheme of marks

Papers	Particulars	No. of Credits	Maximum marks		
			Theory*	Internal assessment	Total
Paper 1	Research Methodology and Biostatistics	4	70	30	100
Paper 2	Theoretical Foundations	4	70	30	100
Paper 3	Recent Developments	4	70	30	100
Paper 4	Reviewing of Literature and Planning of the Proposed Research Work with a Tentative Title	4	-	-	200
	Total	16	-	-	500

**Theory conducted out of 100 marks and brought down to 70*

Paper I Internal assessment calculation

Total marks : 30

Activity	No conducted	Maximum marks /each	Brought down
1. Internal assessment examination	Two	60	20
2. Journal club	Two	50	10
3. Class tests / Class activity	Nine	30	
4. Assignments	Ten	10	
5. Presentation of an E-Poster	One	50	
6. Review article (review of literature)	One	100	

7. Review of “Research proposal for funding agency”	Once	100	
8. Presentation of the review of literature	Once	10	

Ph.D. Course Work Examination

Ph.D. Course Work Examination will be conducted at the end of the course work as follows

Dates of the Pre-Ph.D. examination shall be notified by the Controller of Examinations

PAPERS FOR THE EXAMINATION :

Paper I	Research Methodology & Biostatistics	duration : 3 hrs	Marks 100
Paper II	Theoretical Foundations	duration : 3 hrs	Marks 100
Paper III	Recent Developments	duration : 3 hrs	Marks 100
Paper IV	Synopsis preparation and presentation		Marks 200

PATTERN OF QUESTION PAPER I :

Paper I Research Methodology (60 marks)

MCQ 15 No.'s X 1 mark
Short essay : 5 No.'s X 5 marks
Long Essay : 2 No.'s X 10 marks

Biostatistics (40 marks)

MCQ : 10 No.'s × 1 mark
Short essay : 4 No.'s × 5 marks
Long Essay : 1 No.'s × 10 marks

Panel of Examiners for Paper I :

Internal Examiner (1) Appointed from Yenepoya (Deemed to be University)

External Examiner (1) Appointed from other Universities

PAPER II:

Pattern of Paper II & III : Subject related to the field of research (100 marks)

Long Essays : 5 No.'s × 20 marks

Classification of Successful Candidates:

The results of successful candidates at the end of the course work shall be classified on the basis of the Grade Point Average (GPA) obtained in all the papers. The Grade Point (GP) in a paper and the Grade Point Average (GPA) at the end of the course work shall be computed as follows:

The grade points (GP) in a paper shall be assigned on the basis of actual marks scored in that course as per the table below:

% Marks	Less than 55	55	56<60	61<65	66<70	71<75	76<80	81<85	86<90	91<95	96<100
Grade Points	Fails	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

The Grade Point Weights (GPW) shall then be calculated as the product of the grade points earned in the paper and the credits for the paper. The total GPW for a course is obtained by adding the GPW of all the papers.

The GPA shall then be computed by dividing the total GPW of all the papers of study by the total credits for the course.

A Ph.D. scholar has to obtain a minimum of 55% of marks or its equivalent GPA of 5.5, in the UGC 7 - point scale in the course work in order to be eligible to continue in the programme and submit the dissertation/thesis.

In case the candidate is not successful in the Ph.D. Course Work Examination in the first attempt, he/she may be given one more chance to appear for the paper in which the candidate has failed anytime when the next the examination is scheduled on payment of the requisite fees of Rs. 500/-. If the candidate is not successful in the PhD Course Work Examination, even in the second appearance, his/her provisional registration shall stand cancelled. Registration of the candidate will be confirmed only after they pass the Ph.D. Course Work Examination.