TILAK MAHARASHTRA VIDYAPEETH

Gultekdi, Pune 411 037.

DOCTOR OF PHILOSOPHY

(Ph.D.)

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DOCTOR OF PHILOSOPHY (Ph.D.)

Ph. D. (Vidyavachaspati) - Revised Rules After 11th July 2009

Subjects Offered

1) Faculty of Arts and Fine Arts -

(i)   Sanskrit

(ii)   Indology

(iii) Performing Arts -

    a) Classical Dance -
       (Bharat Natyam, Kathak)

    b) Classical Music

(iv) Hindi

(v)   Marathi

(vi) English

2) Faculty of Ayurveda -

(i)   Ayurveda

3) Faculty of Moral and Social Sciences -

(i)   Economics

(ii)   Political Science

(iii) Sociology

(iv) History

(v)   Philosophy

(vi) Geography

(vii) Library Science

(viii) Social Work

4) Faculty of Modern Sciences and Professional Skills -

(i)   Journalism - Print / Electronic Media

(ii)   Biotechnology

5) Faculty of Education

(i)   Education

6) Faculty of Management

(i)   Management

RULES / GUIDELINES FOR ADMISSION OF STUDENTS
TO PH.D. PROGRAMME

{Framed as per the UGC's Minimum Standard and Procedure for Award of Ph.D. Degree Regulations 2009}

[For only those registered on or after 11th July 2009. It is further clarified that any candidate, whose application has been accepted by the Head of the Vidyapeeth Department before 11th July 2009, will be covered under the old rules.

Tilak Maharashtra Vidyapeeth offers research programmes in different subjects.The rules regarding eligibility, entrance examination, interview, registration, course work, supervision, submission of thesis, shall be as follows:

1) Eligibility

a) Candidates having passed post-graduate degree examination from recognized university with minimum 55% marks or equivalent grade point average (GPA) in relevant subject/field are eligible. Candidates belonging to reserved category as well as physically challenged/disabled candidates shall be given relaxation of 5%.

b) Admission percentage for foreign candidates (those who have not obtained Master's Degree from Indian Universities) will be 50% or equivalent GPA.

c) Candidates having experience in research of more than 15 years in the respective subject area and have passed graduation with 55% marks may be considered eligible, if recommended by expert committee appointed by the Vidyapeeth as a special case.

d) A citizen of age of 55 years and above with post graduate degree with 50% marks, in exceptional cases will be eligible at the discretion of Vidyapeeth's Board of Management.

e) Applicants for inter-disciplinary areas in which the research is proposed to be done shall be considered on the basis of sufficient work experience, proven ability and aptitude for research of the candidate. Such proposal shall be examined by the RRC. The candidature for entrance exam will be confirmed only after the Research and Recognition Committee's approval.

f) In case of international candidates who have not obtained Master's degree from Indian Universities, the decision regarding admission will be taken by RRC on the basis of the criteria as mentioned above (e).

g) As per the provision in Ordinance No. 116 of UGC Guidelines, registered candidates shall not be allowed to register simultaneously for any other degree course.

2) Conduct of Entrance Examination (Written & Interview)

a) The entrance examination will be conducted in the month of June (Subject to public holidays). The result of the successful candidates will be declared by the Vidyapeeth through respective departments within 20 days and the same will be displayed on Vidyapeeth's website. This procedure will be completed before end of July.

b) The advertisement of entrance examination will be published in Marathi and English newspapers and the same will be displayed on Vidyapeeth's website.

c) The course-wise intake for every academic year will be displayed on Vidyapeeth's website. Admission for vacant seats will be as per UGC Guidelines issued from time to time.

3) Exemption from Entrance Examination (Written)

The candidates fulfilling one of the following conditions will be exempted from the written entrance examination:

a) Qualified in GET/SET/NET/JRF examination of the apex bodies as CSIR/UGC/ICAR/ICMR/DBT only.

b) M.Phil. degree completed from any recognized university whose admission at M. Phil. was confirmed on the basis of entrance examination. However such candidates will have to apply in the prescribed format with requisite fee for appearing for interview.

c) Candidates who have completed M. Phil from such Universities where in "no entrance test was conducted or necessary". In such cases a candidate should obtain a letter from that University to this effect and should submit the same in the Ph.D. section of the Vidyapeeth.

4) Structure of Entrance Examination

The structure of the Entrance Examination will be as follows :

Written Test   -   100 marks

Interview   -   50 marks

❏ The Entrance Test shall have the following four components:

a)   Research Methodology (Weightage 40%)

b)   Content of the Respective Subject (Weightage 30%)

c)   Functional English Language (Weightage 15%)

d)   Functional Knowledge of Computer (Weightage 15%)

❏ The nature of the Test shall be MCQ / Descriptive type.

❏ The component (a) shall have questions on testing containing (i) analytical ability, (ii) reasoning ability (iii) research aptitude and (iv) research related information. Each sub-component shall have equal weightage.

❏ Component (b) shall be based on the syllabi of 'core' courses / papers studied at Masters Level in the concerned subject.

❏ Questions in components (c) and (d) shall pertain to functional skills aiming at testing the basic knowledge of the candidate.

The entrance examination will be conducted at the Vidyapeeth main campus or the venue finalized by the Vidyapeeth.

5) Interview (In case of candidates exempted from Written Entrance Examination)

The candidates who are exempted from the written entrance examination are eligible to appear for the interview before the interview committee. The candidate will be judged on the parameters like - Analytical Ability, Research Aptitude, Communication skills etc.

6) Provisional admission

The successful candidates in entrance exam and interview will have to take provisional admission by paying the requisite fees in the admission department of the Vidyapeeth within 15 days from declaration of the result.

7) Course Work

a) After seeking the provisional admission the candidates will have to undergo a course work for one semester in their respective subject.

b) However, the Candidates who are exempted from clearing the entrance examination (those candidates who have already passed M. Phil examination through entrance test from any recognized university) are also exempted from doing such Course work.

c) The said course work shall be treated as Pre- Ph.D. preparation and will include a course on Research Methodology, Computer Applications, Quantitative Techniques and Reviewing of the Literature in the relevant field.

d) At the end of the Semester, candidate will have to appear for course work examination and the passing criteria for such examination will be 50%.

e) On successful passing of the course work examination, Ph.D. Section of the Vidyapeeth will issue a Certificate.

8)   Allotment of Guide and Presentation

a) The concerned Department of Vidyapeeth will allot Guide according to their proposed research area.

b) After allotment of the Guide the candidate must submit a brief outline about his/her research work through his/her Guide within one month to the Head of Department.

c) Candidate will be called for presentation with his / her Guide before the Expert Committee, to finalize the title of the Ph.D. thesis. Subsequently the candidate will receive a letter about confirmation of the title of his/her Ph.D. thesis, from the concerned department.

9)   Ph.D. Registration

On successful completion of Ph.D. course work the candidate will seek admission for Ph.D. course within 60 days. At this stage the candidate will be allotted Permanent Registration Number (PRN).

10) Duration for Ph.D. Programme

a) The total duration of the Ph.D. Programme will be of Five Years. This period will be considered from the date of the allotment of Permanent Registration Number.

b) The extension beyond 5 years may be given up to maximum period of two years subject to successful completion of the considerable research work done by the candidate, which will be decided by the Research Recognition Committee.

c) The application for such an extension will have to be made by the candidate through his/her Guide and Head of the Department, three months before the expiry of the registration period (i.e. Five Years.)

11) Six Monthly Progress Report

a) All the registered candidates shall be required to submit through their respective Guide & HOD an elaborate progress report after every six months. Failure to submit three consecutive reports by the candidates, in such a case his/her registration may be treated as cancelled.

b) The Ph.D. candidate shall publish one Research paper in the standard refereed Research Journal before the submission of thesis for adjudication , and produce the necessary evidence for the same in the from of acceptance letter or copy of the said Journal wherein the Research paper is published.

12) Pre - Ph.D. Viva

a) Before appearing for the Pre- Ph.D. viva (Presentation) a candidate has to submit a spiral bound copy of his / her draft thesis to the department before eight days.

b) Three months before the submission of thesis, a candidate will have to make a Pre - Ph.D. Presentation in the concerned department. This will be open to all Faculty members and research students. The feedback and comments from the audience may be suitably incorporated in the draft thesis under the instructions of Guide and also duly approved by the Dean, of the faculty concerned.

However if a candidate fails to submit his/her thesis within the period of three months from the date of Pre - Ph.D. Viva then in such a case he / she has to again appear for a Pre - Ph.D. Viva for which requisite fee is to be paid by the candidate.

13) Submission of Ph.D. Thesis

a) No candidate can submit his/her Ph.D. thesis before the expiry of two years from the allotment date of Permanent Registration Number.

b) Specifications relating to printing of the thesis etc. will be according to the UGC Guidelines-2009. (Please refer our prospectus)

c) The candidate shall submit the thesis in 4 copies & 2 CDs in PDF format along with the abstract and synopsis with 25 copies each.

d) The thesis shall be written in English language. However, the candidate can submit his / her thesis in the languages like Marathi / Hindi / Sanskrit but in such case he / she has to submit a gist / abstract of thesis in English language having the mention of Hypothesis, Research Methodology, Findings and Conclusions for the convenience of the referees for evaluation purpose.

Guideline for Ph.D. Research Plan

Research Plan to be submitted along with the application should consist of the following points -

(खालील मुद्दे विचारात घेऊन संशोधनाचा आराखडा अर्जासोबत सादर करणे आवश्यक आहे.)

❏ Rationale and significance of the study. (संशोधन विषयाचे महत्त्व आणि तर्कशास्त्रीय/तार्किक बैठक)

❏ A Survey of previous work done in the research area and the need for further research (Review of literature) (सदर विषयांत या पूर्वी संशोधन झाले असल्यास त्याचा आढावा आणि अधिक संशोधन करण्याची गरज)

❏ Research problem (संशोधन समस्या)

❏ Aims and objectives (ध्येये आणि उद्दिष्टे)

❏ Research questions (संशोधनाचे प्रश्न)

❏ Hypothesis (सिद्धांत कल्पना / अभ्युपगम)

❏ Research Design - i.e. the nature of approach to the problem (संशोधन रूपरेषा–कोणत्या भूमिकेतून समस्येचा मागोवा घेणार)

❏ Research Methodology and techniques to be used (अवलंबविण्यात येणारी संशोधन पद्धती आणि तंत्रप्रणाली)

❏ Contribution of Research work (सदर संशोधनाचे योगदान)

❏ Chapter-wise Research Plan (नियोजित संशोधनाचा प्रकरणानुसार आराखडा)

❏ Bibliography - For Primary data & Secondary data (संशोधनासाठी वापरण्यात येणारी प्राथमिक व दुय्यम साधनांची संदर्भ सूची)

❏ Copy of questionnaire used (संशोधनासाठी वापरण्यात येणारी प्रश्नावली)

Course contents for the Eligibility Test

● **COURSE CONTENT OF RESEARCH METHODOLOGY COMPONENT**

The main objective is to assess the research capabilities of the candidates. Therefore the test is aimed at assessing the research aptitude. They are expected to possess and exhibit cognitive abilities. Cognitive abilities include comprehension, analysis, evaluation, understanding the structure of arguments and deductive reasoning. Candidates are expected to possess general awareness and knowledge regarding sources of information and basic quantitative techniques employed in research. Following are the broad components to be tested :

I. Research Aptitude

i. Research : meaning, characteristics and types

ii. Steps of research

iii. Method of research

iv. Research Ethics

v. Paper, article, workshop, seminar, conference and symposium

vi. Thesis writing : its characteristics and format.

vii. Nature of research problem : theoretical research, experimental research, case study, survey

II. Reading Comprehension

A passage to be set with questions to be answered

III. Library Resources and Communication

i. Different types of data and their sources

ii. Survey of literature

iii. Sources of information

iv. Bibliography

v. Communication : Nature, characteristics, types, barriers and effective report writing and communication.

IV. Reasoning (Including Mathematical)

i. Number series; letter series; codes

ii. Relationships; classification

V. Logical Reasoning

i. Understanding the structure of arguments

ii. Evaluating and distinguishing deductive and inductive reasoning

iii. Verbal analogies : Word analogy - Applied analogy

iv. Verbal classification

v. Reasoning Logical Diagrams : Simple diagrammatic relationship, multi-diagrammatic Relationship

vi. Venn diagram; Analytical Reasoning

VI. Data Interpretation

i. Sources, acquisition and interpretation of data

ii. Quantitative and qualitative data

iii. Graphical representation and mapping of data

VII. Information and Communication Technology (ICT)

i. ICT : meaning, advantages, disadvantages and uses

ii. General abbreviations and terminology

III. Basics of internet and e-mailing

VIII. Basic Statistical Techniques

i. Uni-variate Analysis : Mean, Mode, Median, Standard Deviation

II. Bivariate / Multivariate analysis : Correlation, Regression

III. Probability and Probability distributions

IX. Higher Education System : Governance, Polity and Administration

i. Structure of the institution of higher learning and research in India

ii. Formal and distance education

iii. State and Private domain of higher education

iv. Professional / technical and general education

v. Governance, polity and administration

vi. Educational commissions and higher education policy

X. Educational Methodology

i. Teaching : Nature, objectives, characteristics and basic requirements

ii.   Learner's characteristics

iii. Factors affecting teaching

iv.   Method of teaching

v.   Teaching aids

vi.   Evaluation systems

● **COURSE CONTENT OF FUNCTIONAL ENGLISH LANGUAGE**

• **Parts of Speech and their Usages**

i.   Nouns   ii.   Verbs

iii. Adjectives   iv.   Adverbs

v.   Prepositions   vi.   Conjunctions

vii. Interjections   viii. Pronouns

IX. Articles   x.   Demonstratives

• **Words and Word-formation Processes**

I.   Prefixes   ii. Suffixes

iii. Infixes   IV. Inflections

v.   Derivation processes (from one category to another)

• **Elements of Sentence (SVOCA)**

i.   Subject   ii. Verb

iii. Object   iv. Complement

v.   Adverbial

• **Types of Sentence and its Structure**

i.   Declarative sentences   ii. Interrogative sentences

iii. Imperative sentences   iv. Exclamatory sentences; also,

v.   Simple sentence   vi. Compound sentence

vii. Complex sentence

• **Usages of Tenses in English**

i.   Present tense (Simple, Progressive and Perfective aspects)

ii. Past tense (Simple, Progressive and Perfective aspects)

iii. Expression of futurity

• **Active and Passive Voice**

• **Direct and Indirect Speech**

● **COURSE CONTENT FOR FUNCTIONAL KNOWLEDGE OF COMPUTER**

1. Computer Fundamentals

i.   **Basics of Computer :** Block structure of a computer, characteristics of computers, generation of computers, classification of computers

ii. **Types of Computers :** Mainframe computer, Mini and Desktop computers, Laptop, Personal Digital Assistant, Networked computers in terms of capacity, speed, cost and end user's utility

iii. **Computer Performance :** Parameters that affect computer's performance - CPU execution speed, Clock speed, RAM size, Cache, Disc capacity etc.

iv. **Character Codes :** ASCII, EBCDIC

2. Elements of a Computer Processing System

i.   **Processor :** Understanding some of the functions of the CPU in terms of calculations, logical control and immediate access memory

ii. **Storage Devices and Media :** Compare the main types of memory storage devices in terms of speed, cost and capacity such as : diskette, zip disk, data cartridge, CD Rom, internal - external hard disk, Magnetic Tape, Magnetic Disk

iii. **Input- devices :** Various input devices : Mouse, Keyboard, Trackball, Scanner, Touch Pad, Light Pen, Joy Stick, Digital Camera and Microphone, etc.

iv. **Output - devices :** Printers, Plotter and Speaker, VDU etc.

v.   Input - Output Devices : Touch Screens

vi. Memory : Understand different types of memory (RAM, ROM, EPROM, EEPROM, Flash RAM etc.], Measuring computer memory (Bit, Byte, KB etc.)

3. Software

i.   **Types of Software :** System software, Application software

ii. **Operating System Software :** Functions of OS and brief introduction of some OS. Batch, multi-programming, time sharing, multiprocessing, PC operating system, network operating system, on-line and real time operating system

iii. **Application Software :** Common Application software such as : Word processing, Spreadsheet, Database, Web browsing, Desktop publishing

iv. **Programming paradigms and Languages :** classification, machine code, assembly language, programming paradigms and higher level languages.

Specifications for Thesis

Candidates submitting thesis for the University degree are required to follow the rules noted below regarding the size, style and binding of the thesis. Only in special cases in which the Head of the Institution is satisfied, there may be relaxation in compliance.

1. Every candidate shall submit four copies of his / her thesis along with two soft copies in PDF format.
2. The copies shall be bound in accordance with the following specifications.
   1. Save thesis in MS Word (6.0 version or more) format and / or in PDF copy
   2. Save thesis using a file name in the pattern "Author. doc" where author is the surname of the author.
   3. A4 size paper (210 by 297 mm.) for the thesis, select A4 size page set up for the PDF also.
   4. Provide title in Times New Roman, 14 point along with author's name and required details.
   5. Use Times New Roman font, 12 size for the main text, in single column and 1.5 line spacing. Paragraph heading and subheadings have to be displayed properly (in bold).
   6. Set the margins as follows.

Top	:	1 inch	Left :	1:5 inch
Bottom	:	1 inch	Right :	1 inch

   7. Page numbers at the bottom of each page, centered on the width.
   8. Set everything justified.
   9. Print figures and tables interspersed with text and place them as near the point of mention as possible. Add descriptors to tables and figures.
   10. Use International SI (System of Units). If other units are used, provide approximate conversion, factors for SI units.
   11. If the thesis is in Gujarati or any other language other than English, use True Type Font (TTF).
   12. No ornamental bordering of the sides is permitted.
   13. No dedication page in dissertation is permitted.

Font Size for Thesis in Marathi
(मराठी भाषेतून प्रबंध असल्यास वापरायचा फॉन्ट साईज)

- मुखपृष्ठ
  - संशोधन विषयाचे नाव – Shree Dev 714, 30 point (बोल्ड)
  - विद्यापीठाचे नाव, विद्याशाखा आणि विषयाचे नाव – Shree Dev 714, 24 point (बोल्ड)
  - संशोधकाचे नाव – Shree Dev 714, 20 point (बोल्ड)
  - संशोधन मार्गदर्शकाचे नाव – Shree Dev 714, 20 point (बोल्ड)
  - महिना–वर्ष – Shree Dev 714, 24 point (बोल्ड)
- प्रकरण क्र. – Shree Dev 714, 18 point (बोल्ड)
- प्रकरणाचे नाव – Shree Dev 714, 20 point (बोल्ड)
- आतील मजकूर – Shree Dev 714, 16 point, Line spacing 1.5
- मुख्य मुद्दे – Shree Dev 714, 18 point (बोल्ड)
- उपमुद्दे – Shree Dev 714, 16 point (बोल्ड)

RULES GOVERNING THE PRESENTATION OF THE THESIS

1. **BINDING :** The Copies of the thesis shall be bound in cloth/card boards with leaves permanently secured. The front cover shall bear the title of the thesis, the name of the candidate, the name of the degree (Ph.D.) for which the thesis is submitted, and the year of submission. If possible it may also bear the subtitle of the thesis. All this shall normally be printed along the spine in such a way that it is readable when the volume is lying flat with the front cover and the spine shall also bear the number of each volume. Thesis with spiral binding will not be accepted.

2. **PAPER & TYPE :** All copies of the thesis shall be presented in a permanent and legible form in typescript or in print. Copies produced by Photocopying or by similar permanent process will be acceptable. Drawings and diagrams should be in black ink. Paper of good quality (i.e. bond paper) for normal reading should be used. The sheets used should normally be in A4 size (i.e. 28.3 cms x 22cms. approx.) Margins at the binding edge shall be not less than 4 cms. and other margins not less than 2 cms. double or one and a half spacing should be used in typescript, except for indented quotations or footnotes where single spacing may be used.

3. **THE TITLE PAGE AND THE TEXT ETC. :**

A) The title page of the thesis shall give the information contained in Form A.

B) Certificate of the Guide in Form 'C', except for those who have been permitted to work independently, should follow the title page.

C) 'Acknowledgements', if any, will be given immediately after Form 'C'.

D) A 'Table of contents' will immediately follow the page of 'Acknowledgements'.

E) The list of tables and illustrations will be given after the 'Table of contents' in the order in which they occur in the text.

F) If the thesis contains any material which the candidate has used before, this fact shall be indicated in a 'Declaration' immediately following the 'Acknowledgements'.

G) There shall be an abstract of the thesis. The abstract shall follow the acknowledgements and Declaration, if any.

H) For 'Abbreviations', 'References' cited, 'Appendices' and 'Indices' if any, and for the 'Bibliography', the standard method should be adopted.

4. **ILLUSTRATIVE MATERIAL :**

A) Practical diagrams, maps, illustrations, published papers and tables shall have a binding margin of at least 4cms. and should, if possible, be bound in the thesis near the relevant text.

B) Material which cannot be conveniently bound in the text (maps etc.) shall be packaged in such a way that it can be readily linked with the thesis and it shall contain appropriate instructions for use.

FEE STRUCTURE 2012-2013 FOR INDIAN STUDENTS

Sr. No.	Course Name	Entrance Exam Fee	Interview	Course Work	Eligi-bility	Registration / Admission Fee	1st Year Academic Fee	2nd Year Academic Fee	Examination Fee	Total	From 3rd to 5th Year Academic Fee (Per Year)
1.	Management /	1,000	5,000	10,000	1,000	5,000	25,000	25,000	15,000	**87,000**	30,000
2.	Library & Information	1,000	5,000	10,000	1,000	5,000	25,000	25,000	15,000	**87,000**	30,000
3.	Journalism, Education, Economics, Political Sci., Sociology, History, Geography, Marathi, Hindi, English, Social Work, Philosophy	1,000	5,000	10,000	1,000	5,000	15,000	15,000	15,000	**67,000**	20,000
4.	Ayurveda	1,000	5,000	10,000	1,000	5,000	25,000	25,000	15,000	**87,000**	30,000
5.	Sanskrit / Indology	1,000	5,000	10,000	1,000	5,000	15,000	15,000	15,000	**67,000**	20,000
6.	Music & Dance	1,000	5,000	10,000	1,000	5,000	15,000	15,000	15,000	**67,000**	20,000
7.	Biotechnology *	1,000	5,000	10,000	1,000	5,000	25,000	25,000	15,000	**87,000**	30,000

Biotchnology : Additional Laboratory Fees : Please contact Biotechnology Department of the Vidyapeeth.

Note : The minimum time limit for submission of research work is two years and the maximum time limit is five years from the date of registration. The candidate shall have to pay yearly fees of his / her tenure of research.

Fee for : Foreign Students - 3 times of the Total Fees.

FORM 'A'

Format for Front page and cover of the thesis

Title in Block Letters

A thesis submitted to

Tilak Maharashtra Vidyapeeth, Pune

For the Degree of Doctor of Philosophy (Ph. D.)

Subject : _____

Under the Faculty of _____

Name of the Candidate : _____

Under the Guidance of

Name of the Guide : _____

Name of the Department : _____

Month and Year : _____

FORM 'B'

I hereby declare that the thesis entitled "_____

_____

_____" completed

and written by me has not previously been formed as the basis for the award of any

Degree or other similar title upon me of this or any other Vidyapeeth or examining body.

Sd/-

Research Student

Place :

Date :

FORM 'C'

C E R T I F I C A T E

This is to certify that the thesis entitled "_____

_____

_____" which is being submitted herewith for the

award of the Degree of Vidyavachaspati (Ph.D.) in _____

of Tilak Maharashtra Vidyapeeth, Pune is the result of original research work com-

pleted by Shri / Smt. _____ under my

supervision and guidance. To the best of my knowledge and belief the work incor-

porated in this thesis has not formed the basis for the award of any Degree or sim-

ilar title of this or any other University or examining body upon him / her.

Sd/-

Research Guide :

Place :

Date :

FORM 'D'

Form for Progress Report

1.	Name of the Researcher : _____

2.	Date of registration : _____ P. R. No. : _____

3.	Name of the Subject : _____

4.	Name of the guide : _____

5.	Title of the Research work : _____

6.	Period of report : Date _____ To Date _____

7.	Details of the work done : _____

8.	Date of the progress report : _____

Sd/-   **Sd/-**

Signature of the student   **Signature of the guide**

Location Map of Vidyapeeth

Location Map of Vidyapeeth