

NATIONAL INSTITUTE OF AYURVEDA

Deemed-to-be-University(de-novo)
(Ministry of AYUSH, Govt. of India)



Syllabus



Master of Science in Ayurved Manuscriptology

Course Code: NIA/M.Sc./AMSS

Department of Ayurved Manuscriptology

National Institute of Ayurveda

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P R E F A C E

Medicine is one of the earliest subjects in human civilization. Ayurveda come into existence in the concepts of knowledge of long life. The science as shored by ancient scholars was very popular in those days. Before invention of scientific scripts this vast science was transmitted through generations orally. Then documentation started personally and by patronage of various kings. The court physicians used to record those knowledge through active participation of scribe as manuscripts. Later on these vast manuscripts of different disciplines are preserved traditionally and by King's patronage. On account of various reasons this journey suffered a get set back in the middle 20th century after merging of numbers of princely states into Indian union and enormous numbers of manuscripts have been lost. So, preservation and exploration are essential to restore those scientific and research documents.

Though numerous works have been done and are going on in different institution throughout the India but till date few fruitful works have emerged in the field of Ayurveda due to acute scarcity of trained Ayurvedic research scholars.

Manuscriptology is the branch of science that deals with manuscripts, its identification, cataloging, preservation, critical edition and up to publication. Manuscriptology, improving general and intellectual status of research scholar gives impetuous towards the totality of ayurvedic wisdom with adept knowledge in classical ayurveda texts. It also helps to develop excellent skill in research methodology.

National Institute of Ayurveda, the prime apex institute of Ayurveda, is known for its long generous classical tradition. The institute has one full-fledged manuscript unit working since 2016. The unit is working in collection of ayurveda manuscripts from personal belonging of Rajasthan and others parts and digitization of Manuscripts and rare books. The unit is also deeply involve in collating, editing and publishing of unpublished and rare manuscripts. The unit might give proper direction to ayurveda manuscriptology by utilizing its huge academic resources and can be able to contribute in exploring those hidden treasures to the rest of the world for the benefit of the mankind.

M.Sc. in Ayurveda Manuscriptology is an effort to generate scientifically advanced trained manpower who will put their efforts to preserve the national wealth and scientific knowledge therein for future generation.

The course modules will appease your quest for knowing about the Ayurveda Manuscriptology This course also provides the information through Video along with transcription; web links (to know more about the concept from other resources over the web), assessment questions (MCQ).

Date:

Place:

Prof. Nisha Gupta
Chairman
Syllabus Drafting Committee
Department of Ayurveda Manuscriptology
National Institute of Ayurveda, Jaipur

Members of the Course Committee: Ayurveda Manuscriptology

M.Sc. Degree in Ayurveda Manuscriptology

Title: Ayurveda Manuscriptology

Course Code: NIA/M.Sc./AMSS

Names of the Members of the Course Designing Committee

1. Prof. Nisha Gupta (Professor, Department of Maulik Siddhanta)
2. Dr. Asit Kumar Panja (Associate Professor, Department of Maulik Siddhanta)
3. Dr. Bhuvnesh Kumar Sharma (Associate Professor, Department of Maulik Siddhanta)
4. Dr. Shailaza Kumari, (Assistant Professor, Department of Maulik Siddhanta)
5. Mr. Anil Sharma (Sanskrit-Acharya, Department of Maulik Siddhanta)

Names of Inter Departmental Review Committee

1. Dr. Sudipt Rath (Associate Professor, Dept. of Dravya Guna Vigyan)
2. Dr. Rajendra Sharma (Associate Professor, Dept. of Rasa Shastra and Bhaishajya Kalpana)
3. Dr. Gopesh Mangal (Associate Professor, Dept. of Panchakarma)

Names of External Experts Committee

1. Prof. Srinath Vaidya (Dept. Samhita & Siddhanta, Tanniruhalla, Hassan-573201, Karnataka,)
2. Dr. Supriyo Chowdhury (Dept. Samhita & Siddhanta, J B Roy State Ayurveda MCH, Kolkata)
3. Dr. Debducta Deshmukh (Dept of Dravyagunavigyan , A.S.S. Ayurved College, Nashik)

Aims and Objectives:

1. Collection, conservation and study of the traditional knowledge materials like (Palm leaves, papers, maps, pictures, files etc.) related to health care system and their cultural and clinical importance.
2. Enrichment of the unexplored knowledge and conducted research of Ayurveda through the Manuscriptology.
3. Collection, conservation, study, edition and publication of unpublished and Ayurveda importance manuscripts.

Vision & Mission:

1. This course is designed in a manner which would make participants capable enough to learn identification, preservation and cataloguing of various manuscripts.
2. The course has been so designed that within two year of completion of course the scholar is able and sufficiently knowledgeable in all aspect of Indology and manuscriptology including major Indian scripts, textual criticism and editing and publication of texts.
3. This course will be very much helpful in understanding the chronological flow of transmission of knowledge of Ayurveda health care system properly.
4. It will help to develop the skill in research methodology in the field of textual and basic research of Ayurveda.
5. It will also enhance the interest amongst the scholars in the field of Indology in exploring Ayurveda knowledge.

Outcome of the Course:

1. The course will be instrumental in creating resource of manpower who will put their efforts to preserve the national wealth and scientific knowledge therein for future generation.
2. The course will provide scientifically advanced trained scholars in researching and exploring the unfolded Ayurveda manuscripts and will fill the scarcity of that field.
3. The outcome of the program will be trained scholars and specialists with expertise which would help in editing, analyzing and justifying the underlined occult theme of ayurveda.
4. The experts will also be capable in exploration of past knowledge in the purview of current advancement of scientific knowledge for future generation and will open a new horizon of textual research.

Career Opportunities:

1. After completing the course, the students will acquire expertise to read, edit, interpret, revive and make manuscripts publication worthy. They can have opportunity to work in Government and Non-Governmental Sector as Manuscript experts and researchers.
2. The candidates can pursue higher studies in Manuscripts like Ph.D.
3. The students will have opportunity in Indological Study Centres and Research Centres abroad.
4. The students will have opportunity to work with Publishing Houses involved in publishing Ancient Wisdom.

SCHEME OF ACADEMIC PROGRAMME

Department:

Department of Ayurveda Manuscriptology

Course Name:

M.Sc. in Ayurveda Manuscriptology

Course Code:

NIA/M.Sc./AMSS

Eligibility:

BAMS/BHMS/BUMS/BNYS/MBBS/ M.A in Sanskrit from a recognized college affiliated with the recognized University. Aspirants must be registered in the state or central register.

Admission Procedure

Admission will be made on the basis of merit secured in the screening test to be conducted by NIA.

Course Duration:

Duration of the course will be of 2 years.

Each year there will be four papers. First paper of the First Year will be divided into Unit 1 and Unit 2. Unit 1 will be on basic concepts of ayurveda whereas Unit 2 will be about research methodology and statistics. A combined classes will be conducted in the institute. The department of **Ayurveda Manuscriptology** will cover course of the other rest of the papers of the first year. The department will take full course of the second year. External or internal subject experts will cover the topics requiring their expertise. This will help the students understand the subject matter in a better way.

Working Days:

As per UGC guidelines, the effective teaching days in an institution should not be less than 30 weeks. The syllabus for the present course of MSc in **Ayurveda Manuscriptology** has been framed with an assumption of six working days in a week and total duration of the course will be as follows.

Working Days:

Sl. No.	Subject	Theory	Practical	Total Hrs.
1	M.Sc. 1 st Year	18 Hrs/Week	18 Hrs/Week	36 Hrs/ Week
		540 Hrs/Year	540 Hrs/Year	1080 Hrs/ Week
2	M.Sc. 2 nd Year	18 Hrs/Week	18 Hrs/Week	36 Hrs/ Week
		540 Hrs/Year	540 Hrs/Year	1080 Hrs/ Week

Course Structure**1st Year**

Sl. No.	Paper	Course No.	Course	Hours
1	Paper 1		Fundamentals of Ayurveda Texts and Research	150
2	Paper 2		Basic of Manuscriptology & Collection of Manuscripts	150
3	Paper 3		Preservation, Cataloguing Of Manuscripts	150
4	Paper 4		Writing of Manuscripts	150

Practical: 1st Year

1	Paper 1-4		480 Hrs
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2nd Year

Sl. No.	Paper	Course No.	Course	Hours
1	Paper 1		Indian scripts and ayurveda manuscripts	150
2	Paper 2		Textual Criticism	150
3	Paper 3		Editing and publication of texts	150
4	Paper 4		Ayurveda Manuscriptology	150

Practical: 2nd Year

1	Paper 1-4		480 Hrs
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Syllabus: 1st Year**Paper 1: Basics of Ayurveda****Teaching Hours: 150 (Theory)****Max. Marks: 100**

Paper 1	Basics of Ayurveda	180 Hrs.
Unit: 1		
1.	Definition and components of Ayu, definition and aim of Ayurveda, Brief introduction of Ayurveda Samhitas.	4
2.	Definition of Swasthapurush, introduction of parameters of Swasthya and Traya-upastambha.	6
3.	Introduction of concept of Panchmahabhuta theory, Tridosha theory and Lokasamyapurush.	6
4.	Introduction of concept of Saptadhatu, Mala and Ojus	4
5.	Introduction of concept of Srotas	3
6.	Introduction of concept of Prakriti, Mana and Atma	5
7.	Introduction of concept of Raspanchaka	7
8.	Introduction of Panchvidhakshayakalpana	2
9.	The concept of Roga, Main etiological factors, Chikitsa and its types	4
10.	Introduction of various sections/departments of Ayurveda and their specific activities	14
Unit: 2		
11.	Definition of Word Research and Classification of Research – (pure/applied; qualitative/quantitative; observational and interventional).	5
12.	Historical Background of research in Ayurveda.	2
13.	Introduction to Classical methods of research-Aptopadesh, Pratyaksha Anuman and Yukti.	6
14.	Research Process - Brief Introduction of Selection of Topic, Review of literature, Formulation of Hypothesis, Aims and Objectives, Materials and Methods, Observation and Results.	4
15.	Concept of Ethics in Research.	2
16.	Publication of Research, Structuring of Article (IMRAD).	4
17.	Brief Introduction of Medical Statistics.	2
18.	Collection and Presentation of Data.	4
19.	Definition of Average, Percentile, Arithmetic Mean, Median, Mode, Range, Standard Deviation and Standard Error.	5
20.	Parametric and Non-parametric Tests.	6

Paper 2: Basic of Manuscriptology and Collection of Manuscripts**Teaching Hours: 150 (Theory)****Max. Marks: 100**

Paper 2	Basic of Manuscriptology and Collection of Manuscripts	Hrs.
1.	Introduction of Manuscriptology.	10
2.	Language Spoken and Written in Ancient India.	20
3.	Detailed History of writing in various parts of India.	10
4.	Detailed study and various aspects of Orientology.	10
5.	Indology and Manuscriptology.	10
6.	Descriptions of varieties of Manuscripts and Character of Varieties.	20
7.	Brief outline of lithography (Printing on Stone Blocks), Xylography	10

	(Printing on Wooden Blocks), Epigraphy (Study of Writing on Rocks, Pillars, Utensils and Metal Plates), Palaeography (Study of Ancient Scripts their Origin, Development of Pictorial and Phonetic Symbols).	
8.	Importance and Utility of Sanskrit Language in Ayurveda Manuscriptology.	15
9.	Collection of Manuscripts: Purpose and Goal.	10
10.	Description of Methods of Collection of Manuscripts.	10
11.	Communications, Collection Reporting of Manuscripts.	10
12.	Manuscript libraries of India and Brief Description of Their Collections.	10
13.	Major Collection of Ayurveda Manuscripts in India and Abroad.	5
	Total	150

Paper 3: Preservation, Cataloguing of Manuscripts

Teaching Hours: 150 (Theory)

Max. Marks: 100

Paper 3	Preservation, Cataloguing of Manuscripts	Hrs
1.	Preserving, storage and cataloguing of manuscripts: Brief outline	5
2.	Details description of various aspects and methods of preservation	5
3.	Details description of various aspects and methods of storage of manuscripts.	15
4.	Repairing of manuscripts as per the condition.	5
5.	Cataloguing of manuscripts: History of cataloguing of manuscripts	5
6.	Various methods of cataloguing	10
7.	Different catalogue on manuscripts	10
8.	Available catalogues on Ayurveda Manuscripts.	5
9.	Catalogus catalogorum and new Catalogus Catalogorum.	10
10.	Preservation: of manuscripts ; Brief outline	10
11.	Lamination, photo copying, microfilming and digitalization	15
12.	Digitalization through Scanner, Digital camera	15
13.	Basic knowledge of hardware and software needed for digitalization, storage, editing and Mechanical reproduction of manuscripts	10
14.	Knowledge of specific software like html editor, OCR, image editor, palm leaf manuscript editor etc.	10
15.	National Database of Manuscripts, Kriti Sampada, of NMM	5
16.	Historical Survey and Current Practices	5
17.	Government Initiatives	5
18.	Description of various national and international rules and regulation regarding manuscript collection, communication, editing, publications etc.	5
	Total	150

Paper 3: Writing of Manuscripts

Teaching Hours: 150 (Theory)

Max. Marks: 100

Paper 4	Writing of Manuscripts	Hrs
1.	Form of Manuscript - e.g. Size, Margin, Line Numbering, Paintings, Unconventional Form etc.	5
2.	Parts of Manuscript - Cover, Binding, Recto, Verso etc.	5
3.	Style of Composition of Manuscripts - Running Texts, Text and Commentary, Sub-Commentary etc.	5
4.	Writing in Manuscripts: - Brief Outline	2
5.	Various Styles and Techniques.	5
6.	Marginalia and Pagination.	5
7.	Punctuation, Abbreviations.	5

8.	Prashasti, and Colophon.	5
9.	Scribal Remarks.	5
10.	Illustration and Decoration	5
11.	Corrections	10
12.	Description of Scribal Errors: Brief Outline	3
13.	Deletion /Omission	5
14.	Addition, Substitution	5
15.	Orthographic Confusion	5
16.	Transposition	5
17.	Brief Description of Prosody and Sanskrit Grammar (Sandhi, Samasa, Pratyaya, Sup-ting Prakarana)	15
18.	Brief Outline various aspects of Writing in Ancient India and the Scribe.	10
19.	Details Description of Writing Materials.	5
20.	Details of Preparation of the Writing Materials.	5
21.	Writing Instruments.	5
22.	Writing Ink	5
23.	Binding of Manuscripts	5
24.	Other Supporting Materials.	5
25.	Brief Description of Ethics and Code of Conduct of Writing.	10
26.	Importance of Ethics and Principles Mentioned in Ayurveda Classics in the Purview of the Present Era.	5
	Total	150

Practical of M.Sc. First Year**Teaching Hours: 480 Hrs.****Max. Marks: 100**

S.No	Topic	360 Hrs.
1.	Assessment of Prakriti	10
2.	Determination of Rasa Panchaka in Some Common Dravyas.	10
3.	Practical Uses of Tantrayukti in Understanding Ayurveda Text	10
4.	Practical Uses of Tachchilya in Understanding Ayurveda Text	10
5.	Practical Uses of Tantraguna, and Tantradosha in Composing Ayurveda Text.	10
6.	Practical Uses of Vadamarga in Understanding Ayurveda Text.	10
7.	Practical Uses of Kalpana and Arthashraya in understanding Ayurveda Text.	10
8.	Practical Uses of Trividha Gyanopayain Understanding Ayurveda Text.	10
9.	Practical Uses of Pada, Paada, and Shloka Methods of Learning.	10
10.	Practical Uses of Vakya, Vakyartha in Ayurveda Teaching.	10
11.	Clinical Protocol Writing Exercise on a Given Problem.	15
12.	Scientific Article Writing.	5
13.	Details of various Writing in various Parts of India.	20
14.	Varieties of Manuscripts and Character of Varieties.	15
15.	Practical orientation on lithography, Xylography, Epigraphy, Palaeography	20
16.	Practical usages of Sanskrit in Ayurveda Manuscriptology	15
17.	Description of methods of collection of manuscripts	20
18.	Preparation of Communications sheets, collection reporting of Manuscripts.	30
19.	Various Methods of Storage of Manuscripts.	20
20.	Repairing of Manuscripts as per the Condition.	20
21.	Various Methods of Cataloguing.	20
22.	Lamination, Photo Copying, Microfilming and Digitalization.	15
23.	Digitalization through Scanner, Digital Camera.	15

24.	Basic knowledge of Hardware and Software needed for Digitalization, Storage, Editing and Mechanical Reproduction of Manuscripts.	5
25.	Basic Training of Specific Software like HTML Editor, OCR, image editor, palm leaf manuscript editor etc.	15
26.	Storage of Palm Leaf Manuscripts	10
27.	Training of forma, styles and parts of Manuscript –etc.	20
28.	Training in various aspects of Writing in manuscripts:	30
29.	Corrections of Manuscripts	10
30.	Reading and identifying of Scribal errors:	20
31.	Brief description of Prosody and Sanskrit grammar (Sandhi, Samasa, Pratyaya, Sup-ting Prakarana)	20
32.	Writing Materials,	20
33.	Training of forma, styles and parts of Manuscript – etc.	20
34.	Training in various aspects of Writing in Manuscripts:	30
35.	Corrections of Manuscripts.	10
36.	Reading and Identifying of Scribal Errors:	20
37.	Brief Description of Prosody and Sanskrit Grammar (Sandhi, Samasa, Pratyaya, Sup-ting Prakarana)	20
38.	Writing Materials.	20

Syllabus: 2nd Year

Paper 1: Indian Scripts and Ayurveda Manuscripts

Teaching Hours: 150 (Theory)

Max. Marks: 100

Paper 1	Indian Scripts and Ayurveda Manuscripts	150 Hrs
1.	1. Introduction of Indian scripts	2
2.	i. The scope and significance of palaeography in language studies	5
3.	ii. Ancient Writings in India – Indus script, Brahmi, Kharosti, Devanagari	10
4.	iii. Evolution of alphabet and numerical	10
5.	iv. Evolution of Indian Scripts from Brahmi	10
6.	v. The period of Gupta and Nagari scripts and its variant eastern (Poorvanagari), western (Ardha nagari), southern (Nandinagari) and northern (Devanagari).	15
7.	vi. Outline of Nepali and Newari, Oriya, Saarada, Maithili,	10
8.	vii. Outline of Grantha, Old kannada , Malayalam, Modi , Sinhalese Telugu or Andhra scripts	10
9.	2. Nandi Nagari and Devanagari Scripts : brief outline	2
10.	i. Scripts in detail	10
11.	ii. Characteristics and different variant of Nandi Nagari and Devanagari Scripts	10
12.	iii. Development of other later characters – Sarada, Gurumukhi, Sidhamathruka, Nagari	10
13.	iv. Old documents in both Scripts	2
14.	3. Reading and writing of scripts : Brief Outline	2
15.	i. Illustration of the script from estampages	5
16.	ii. Printed Ayurveda books and prepared charts	5
17.	iii. Available Ayurveda manuscripts	10
18.	4. Transliteration rules and methods: Brief Outline	2
19.	i. Both Nagari Script to Roman and English characters	10
20.	ii. Roman and English characters to both Nagari	10
	Total	150

Paper 2: Textual Criticism**Teaching Hours: 150 (Theory)****Max. Marks: 100**

Paper 2	Textual Criticism	Hrs.
1.	Description of Collation and methods collating of reading of manuscripts and preparing collation sheets.	15
2.	Various kinds of texts in Ayurveda	10
3.	Details of Textual criticism i. Definition ii. Aim and Scope	5
4.	Conflated Manuscripts	5
5.	Textual criticism and Literary criticism	5
6.	Variants and errors	10
7.	Causes of corruption	5
8.	Remedies	5
9.	Transmitted texts	5
10.	Fundamental Aspects of Textual Criticism	5
11.	Heuristics /Recensio	5
12.	Emendation	10
13.	Higher criticism	3
14.	Problems of critical recensio	5
15.	Stemma Codicum	5
16.	Genealogy of Manuscripts	10
17.	Practical hints on Editing of texts	10
18.	Selection of Manuscripts	5
19.	Classification	3
20.	Description	2
21.	Pedigree	2
22.	Various aspects of Textual Criticism with respects to Ayurveda texts	15
	Total	150

Paper 3: Editing and Publication of Texts**Teaching Hours: 150 (Theory)****Max. Marks: 100**

Paper 3	Editing and Publication of Texts	Hrs.
1.	Editing scientific texts : Outline	10
2.	Rules and methods critical edition	20
3.	Rules of translation	15
4.	Preparation of texts : Outline	5
5.	Dating of undated manuscripts	10
6.	Evidence of Authorship	15
7.	Stylometric Analysis	10
8.	Publication of texts: Outline	5
9.	Presentation of texts	20
10.	Indexing methods	20
11.	Preparation of Annexure	20
	Total	150

Paper 4: Ayurveda Manuscriptology**Teaching Hours: 150 (Theory)****Max. Marks: 100**

Paper 4	Ayurveda Manuscriptology	Hrs.
1.	Description of various Published Editions of Vrihatrayee, Laghutrayee,	10
2.	Description of various Published Editions of Rasa-texts	10
3.	Description of various Published Editions of Nighantu	10
4.	Description of various Published Editions of other Classical Texts	10
5.	Details description of unpublished manuscripts of Vrihatrayee, Laghutrayee,	10
6.	Details description of Unpublished Manuscripts of Rasa-texts, Nighantu	10
7.	Details description of Unpublished Manuscripts of other classical texts	5
8.	Description of Unpublished Manuscripts of allied/Contemporary Ayurvedic Manuscripts.	5
9.	Description of Unpublished Manuscripts of Super-specialty Ayurvedic Manuscripts.	5
10.	Essential of Editing Vrihatrayee, Laghutrayee.	15
11.	Essential of Editing Rasa-texts, Nighantu and Other Classical Texts.	10
12.	Essential of Editing of Other Classical Texts.	10
13.	Variant reading and Process of patha sudhi in Ayurveda Manuscripts.	20
14.	Preparation of glossary of Technical Terms, Animal, Mineral, Plants and Products.	10
15.	Details of Works going on Ayurveda Manuscripts in various Institutions across the Globe.	10
	Total	150

Practical of M.Sc. 2nd Year**Teaching Hours: 480 (Theory)****Max. Marks: 100**

Sl.No.	Points of Practical	Hrs.
1.	Indus script, Brahmi, Kharosti,	10
2.	alphabet and numerical	10
3.	Indian Scripts from Brahmi	10
4.	Nagari scripts and its variant eastern (Poorvanagari), western (Ardha nagari), southern (Nandinagari) and northern (Devanagari).	20
5.	Nepali and Newari, Oriya, Saarada, Maithili,	5
6.	Outline of Grantha,, Old kannada , Malayalam, Modi , Sinhalese Telugu or Andhra scripts	5
7.	Nandi Nagari and Devanagari Scripts	10
8.	Characteristics and different variant of Nandi Nagari and Devanagari Scripts	5
9.	Characteristics and different variant of Sarada, Gurumukhi, Sidhamathruka, Nagari	5
10.	Script reading through Ayurveda manuscripts	20
11.	Transliteration of Both Nagari Script to Roman and English characters	10
12.	Transliteration of Roman and English characters to both Nagari	10
13.	Collation of manuscripts and preparing collation sheets.	30
14.	Orientation of Various kinds of texts in Ayurveda	10
15.	Lower criticism	15
16.	Higher criticism	30
17.	Practical hints on Editing of texts	20

18.	Various aspects of Textual Criticism with respects to Ayurveda texts	15
19.	Methods critical edition	20
20.	Translation	15
21.	Dating of undated manuscripts	20
22.	Evidence of Authorship	15
23.	Presentation of texts	10
24.	Indexing of Texts	20
25.	Preparation of Annexure	20
26.	Practical Training on various published editions of Vrihatrayee, Laghutrayee, Rasa-texts, Nighantu and other classical texts	10
27.	Practical Training on various un-published Manuscripts of Vrihatrayee, Laghutrayee, Rasa-texts, Nighantu and other classical texts	10
28.	Practical Training on unpublished manuscripts of allied / contemporary and super-specialty ayurvedic manuscripts	10
29.	Training of Editing Vrihatrayee, Laghutrayee,	20
30.	Training of Editing Rasa-texts, Nighantu and other classical texts	20
31.	Variant reading and Process of patha sudhi in Ayurveda manuscripts	30
32.	Preparation of glossary of technical terms, animal, mineral, plants and products	20

Eligibility of Teacher:

- Teacher should have the minimum qualification in M.D in Samhita and manuscript expert as regular appointment or
- Part time teaching staff: M.A in Sanskrit vyakaranacharya for contractual / part time teaching.

Faculty required for M.Sc. in Ayurveda Manuscriptology

TEACHING FACULTY					
Sl. No.	Name of Post	No. of Posts	Eligibility	Experience	Publications
1	Professor	One (1)	1. MD (Samhita) and or M.Sc. in Ayurveda Manuscriptology with Desirable: i. Degree Sanskrit ii. Ph.D. (Samhita) or Manuscriptology iii. Training in Manuscriptology iv. Proficiency in Sanskrit, English and Indian scripts Age Limit: 55 Years	16 Years of Teaching Experience in related branch.	At least 5 articles related to Ayurveda Manuscriptology in a reputed Peer reviewed / Indexed Journals

2	Associate Professor	One (1)	<p>1. MD (Samhita) and or M.Sc. in Ayurveda Manuscriptology with</p> <p>Desirable:</p> <ul style="list-style-type: none"> i. Degree in Sanskrit ii. Ph.D. (Samhita) or Manuscriptology iii. Training in Manuscriptology iv. Proficiency in Sanskrit, English and Indian scripts <p>Age Limit: 50 Years</p>	10 years of teaching experience in related branch	At least 3 articles related to Ayurveda Manuscriptology in a reputed Peer reviewed / Indexed Journals
3	Assistant Professor	One (1)	<p>1. MD (Samhita) and or M.Sc. in Ayurveda Manuscriptology with</p> <p>Desirable:</p> <ul style="list-style-type: none"> i. Degree Sanskrit ii. Ph.D. (Samhita) or Manuscriptology iii. Training in Manuscriptology iv. Proficiency in Sanskrit, English and Indian scripts <p>Age Limit: 45 Years</p>	5 years of teaching experience in related branch	At least 2 articles related to Ayurveda Manuscriptology in a reputed Peer reviewed / Indexed Journals
4.	Lecturer	One (1)	<p>1. MD (Samhita) and or M.Sc. in Ayurveda Manuscriptology with</p> <p>Desirable:</p> <ul style="list-style-type: none"> i. Degree Sanskrit ii. Ph.D. (Samhita) or Manuscriptology iii. Training in Manuscriptology 		

			iv. Proficiency in Sanskrit, English and Indian scripts Age Limit: 40 Years		
5.	Lecturer (Sanskrit)	1	MA (Vyakaranacharya) Along with 1. Training in manuscriptology or 2 years of working experience in manuscriptology 2. 3 years working in Ayurveda field 3. Publication and editing of manuscripts 4. Proficiency in Sanskrit and English 5. years of Working experience in Indian scripts DESIRABLE i. Ph.D. (Sanskrit) ii. Experience in translation of Sanskrit works into English Age Limit 45 Years	-	
NON TEACHING STAFF					
1.	MTS	2			

Visiting / Adjunct / Contractual Faculty:

- MA /Ph.D. in Sanskrit Vyakaranacharya
- Script Experts
- Every teacher shall participate in teaching, which may include all of the following: lectures, tutorials, practical sessions, seminars, fieldwork, projects and other such activities.
- Every teacher shall also give general assistance to students in removing their academic difficulties; and participate in the invigilation and evaluation work connected with tests/examinations; and take part in extra-curricular, co-curricular and institutional support activities as required.
- The workload of a teacher shall take into account activities such as teaching, research and extension, preparation of lessons, evaluation of assignments and term papers, supervision of fieldwork as also guidance of project work done by the students. The time spent on extension

work, if it forms an integral part of the prescribed course, shall count towards the teaching load. The total workload and the distribution of hours of workload for the various components shall be in accordance with the guidelines issued by the UGC and the other statutory bodies concerned in this regard from time to time.

Syllabus:

1. Annual exams will be conducted at university level. 1st year annual exams will be scheduled at the end of the 1 year in the same way the 2nd year exams will be conducted. Half yearly midterm examination will be conducted at institutional level.
2. Depending upon its nature and level, a course may be assigned a certain number of credits. The credits assigned to the various courses shall also be indicated in the respective syllabuses. The system of credits shall be in accordance with the guidelines of the UGC and other statutory bodies concerned.
3. The syllabus for each course shall also indicate the scheme of evaluation/ examination.
4. The students shall be given assignments, so as to make use of the library, laboratory, internet and such other faculty.
5. The total workload on a student shall also be adequate so as to provide him/her sufficient academic involvement.
6. The minimum number of lectures, tutorials, seminars and practical's which a student shall be required to attend for eligibility to appear at the examination shall be not be less than 75% of the total number of lectures, tutorials, seminars, practical's, and any other prescribed requirements.

Thesis/Dissertation:

Every Candidates pursuing M.Sc. Degree in **Ayurveda Manuscriptology** is required to carry out the work on selected dissertation under the guidance of recognized post graduate teacher in their respective subject in final Year. The result of such work should be submitted in the form of a dissertation (not less than 100 Pages).

By carrying out a research project and presenting the work in the form of thesis, the student shall be able to:

- Identify a relevant research question
- Conduct a critical review of literature
- Formulate a hypothesis
- Determine the most suitable study design
- State the objectives of the study
- Prepare a study protocol
- Undertake a study according to the protocol
- Analyze and interpret research data, and draw conclusions
- Write a research paper

Guidelines:

While selecting the topic, following should be kept in mind:

- The scope of study is limited to enable its conduct within the resources & time available
- The study must be ethically appropriate
- The emphasis should be on the process of research rather than the results
- The protocol, interim progress and final presentation is made formally to the department
- There should be periodic department review of the thesis work

Assessment (Examination and Evaluation):

1. The university shall adopt the guidelines issued by the UGC and other statutory bodies concerned from time to time in respect of conduct of examinations.
2. The units of evaluation, namely, tests, seminars, presentations, class performance, field work, thesis and the like and the weightage assigned to each of such units in respect of each course shall be determined by the appropriate academic body of the university, and shall be made known to the students at the beginning of the academic session of the year, the semester or the trimester, as the case may be.
3. The nature of final examination, whether written or oral or both, in respect of each course shall also be made known to the students at the beginning of the academic session.
4. The question papers for the examinations shall be set in such a manner as to ensure that they cover the entire syllabus of the concerned course.
5. The tests and examinations shall aim at evaluating not only the student's ability to recall information, which he/she had memorized, but also his/her understanding of the subject and ability to synthesize scattered bits of information into a meaningful whole. Some of the questions shall be analytical and invite original thinking or application of theory.
6. While the actual process of evaluation shall be confidential, the system of evaluation shall be sufficiently transparent, and a student may be given a photocopy of his/her answer paper, if requested as per procedure laid down in this regard.

Scheme of Examination:

There will be eight papers in the whole duration of the course four in each year. Each Theory paper will be of 100 marks covering the questions from entire syllabus of the corresponding paper. Each paper shall be set from the external experts and will cover very short questions, short essay and long essay questions. Practical examination will be conducted covering patient examination and viva voce on the project and the subject matter.

Distribution of Marks:**Theory – 100 Marks, 3 Hours Each Paper**

Model of Questions	Marks Distribution
MCQ/One Word Questions/Fill up the Blanks	10 Marks
Very Short Answer Question	20 Marks
Short Essay	30 Marks
Long Essay	40 Marks

Practical Examination– 100 Marks, Covers All Paper**1st Year: Covers All Paper****100 Marks**

Kind of Work	Marks Distribution
History sheet	20 Marks
Spotting	10 Marks
Module Preparation	10 Marks
Viva-voce	20 Marks

2nd Year: Covers all Paper

Kind of Work	Marks Distribution
Assignment	20 Marks
Spotting	10 Marks
Manuscript Reading	10 Marks
Thesis Presentation	20 Marks
Viva-Voce	40 Marks

Eligibility for Admission to the Examination

Students with a minimum of 75% attendance are eligible to write the examination.

Question Paper Design

The examination shall be three hours duration to each paper at the end of each year. The candidate failing in any subject(s) will be permitted to appear for each failed subject(s) in the subsequent examination.

Question papers will be designed in two sections (Part A, Part B and Part C) with number of questions and allotment of marks as detailed below:

PART-A (10x 1 = 10 Marks)

MCQ/One Word questions/ Fill up the blanks

PART-A (10 x 2 = 20 Marks)

(Answer all Questions)

PART-B (6x 5 = 30Marks)

(Answer all Questions)

PART-C (4 x 10 = 40 Marks)

5 (Answer any four out of five questions)

Passing Minimum:

The candidate shall be declared to have passed the examination if the candidate secures not less than 50% marks in each theory and practical paper.

Award of Degrees:

1. No student shall be eligible for the award of the **M.Sc. Degree** unless he/she has successfully completed a minimum of two years
2. The degree to be awarded may be called the **M.Sc. Degree** in the **Ayurveda Manuscriptology**
3. Degree will be conferred to the passing students in the convocation held by the affiliating university.

Recommended Books of Manuscriptology:

Sl.No.	Name of the Book	Author	Publication	Year
1.	Manuscript and Manuscriptology in India	Subodh Gopal Nandi, Projit Kumar Palit		2010
2.	Manuscriptology: An Entrance		Parimal Publication Pvt. Ltd.	2007
3.	Manuscriptology	Ke Mahēśvaran Nāyar	Swantham Books	1998
4.	Introduction to Manuscriptology	R. S. Shivaganesha Murthy, Ār. Es Śivagaṇēśamūrti	Sharada Publishing House,	1996
5.	A Bibliography of Palaeography and Manuscriptology	Sweta Prajapati	Bharatiya Kala Prakashan	2004
6.	The Fundamentals of Manuscriptology	P. Visalakshy	Dravidian Linguistics Association	2003
7.	Lectures on Manuscriptology		Katyayan Vaidik Sahitya Prakashan	2004
8.	Aspects of Manuscript Studies: Veda, Classical Sanskrit Literature, Dharmasastra, Puranas and Manuscriptology	M.L. Wadekar	Bharatiya Kala Prakashan, Delhi, India	2004
9.	<u>Manuscriptology</u>	Jagannatha S.	Parimal Publications	
10.	Manuscriptology and Museology	Bhujang Ramarao Bobade	B.R. Publishing Corporation	
11.	A Bibliography of Palaeography and Manuscriptology	Sweta Prajapati		
12.	Manuscriptology	Bhavini R. Pandya (Author)		2016
13.	A Survey of manuscriptology	Dr. JSR Prasad		
14.	New lights on manuscriptology: a collection of articles of Prof. K.V. Sharma	K. Venkateswara Sarma, Siniruddha Dash	Sree Sarada Education Society Research Centre	2007
15.	<u>Handbook of Medical Manuscriptology = Vaidya-Vijnana-Hastapatri-Sastram</u>	M.A. Lakshmithathachar (Editor)M.A. Alwar (Editor)Geetha Anand (Compiler)	IAIM (CTF) Publication Series	
16.	Basics of Manuscriptology & An Entrance of Medical Manuscripts	Dr. Shrinath M. Vaidya	Chaukhambha Orientalia, Varanasi	
17.	Electronic Descriptive Catalogue of Medical Manuscripts			
18.	Catalogue of Palm-leaf Manuscripts with Basic Manuscriptology: Muni Sri Ramasuriswarji (Dahelawala) Maharaja's Collection	Sashibhusan Mishra	Acarya Sri Surendrasuriswarji JainataTvajnanas'ala	2014
19.	Catalogue of Two Collections of Sanskrit Manuscripts Preserved	India Office Library (Author)	Forgotten Books	2018

	in the India Office Library			
20.	A Catalogue of the Manuscripts Preserved in the Library of the University of Cambridge Volume 6 (Cambridge Library Collection - History of Printing, Publishing and Libraries)	H. R. Luard (Editor)		2011
21.	A Catalogue of Oriental Manuscripts, Collected in Indoostan.	Mr. Samuel Guise, Surgeon to the General Hospital at Surat.		2019
22.	The Art of Script Editing: A Practical Guide to Script Development (Creative Essentials)	Karol Griffiths (Author)		2015
23.	Indian Script History: All About Ancient Indian Scripts			2014
24.	Indian Epigraphy and South Indian Scripts, Volume 4	C. Sivaramamurti	Superintendent, Government Press	1948
25.	Crafting Indian Scripts	S. Bhowmick Jaya Jaitly (Author)		2013
26.	Languages and Scripts	K. S. Singh, S. Manoharan	Anthropological Survey of India	1993
27.	Indian Epigraphy: A Guide to the Study of Inscriptions in Sanskrit, Prakrit, and the other Indo-Aryan Languages (South Asia Research)	Richard Salomon (Author)		
28.	India in Early Central Asia: A Survey of Indian Scripts, Languages, and Literatures in Central Asia of the First Millennium A.D.	Bratindra Nath Mukherjee	Harman Publishing House	1996

Classical Ayurveda Books and Research Methodology:

1. Agnivesha, Caraka Samhita, Ayurveda-dipika Commentry by Cakrapanidutta. Pt. Yadavji Trikamji Acarya, editor. New Delhi: Raahtiya Sanskrit Samsasthana; 2006.
2. Madhava, Madhavnidanam. Madhukosa commentary of Vijayrakshita and Srikanthadutta. Pt. Brahmashankar Shastri Bhisagratna, editor. 3rd ed. Varanasi: Chaukhamba Sanskrit Samsthan; 1993.
3. Sushruta, Sushruta Samhita, Nibandhasamgraha commentary by Dalhana. Yadavji Trikamji Acharya, editor. 6th ed. Varanasi: Chaukhamba Orientalia; 1997.
4. Vagbhat, Ashtanga Hridaya. Sarvangasudara and Ayurveda Rasayan Commentary of Arundutta and Hemadri. Bhisagacharya Harishastri Paradakara Vaidya, editor. 8th ed. Varanasi: Chaukhamba Orientalia; 1998.
5. Bhavamishra: Bhavaprakash Nighantu, Commentry by K. C. Chunekar, Edited by Dr. G.S. Pandey Chaukhambha Bharti Academy, reprint 2006.
6. Sarangadhara: Sarangadhara with deepika and gudarthatipika commentaries: Nirnayasagara Press; Bombai 2nd ed. 1931
7. Nayanashekhara : Yogaratnakara edited by Pt. Shadashiva Shastri Yoshi; Chowkhamda saskrit series office, Benares; 1939
8. Indrayan, A. (2017). *Basic Methods of Medical Research* (4th ed.). AITBS Publishers. ISBN 978-81-7473-335-1.

Recommendations:

In the proposed postgraduate program of M.Sc. in Ayurveda Manuscriptology considerable time has been allotted to both theory and practical part. The focus is given to provide the opportunity to the student to learn on his/her own or through discussions, presentation, assignment, project work, practical preparation, field visits, interaction with subject stalwart etc. It is strongly recommended that this time should be utilized appropriately to generate a sense of curiosity and creativity among the ever students take part in this course. Further, the students may be encouraged to prepare topics from the textual material and present them before their class fellows in the presence of the teacher concerned.

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