Ordinance No. V-116 (A)

MD (Doctor of Medicine): All Disciplines

(Duly approved in 25th AC meeting minutes dated 20/12/2019 under agenda no. 25 (26)

SWAMI VIVEKANAND SUBHARTI UNIVERSITY MEERUT

(Established under U.P. Govt. Act no. 29 of 2008 and approved under section 2(f) of UGC Act 1956)

Dr. Nair Dhiren Ajit	Dr. Seema Dixit	Dr. Niraj Nayan Rishi	Dr. Archana Anilkumar	Dr. Abhay Kumar	Dr. Abhijith.K. B	Dr. Jyoti Madhur	Dr. Sneha Bharti	Dr. Adil

Ordinance No. V (116)(A)

General

- This ordinance may be called the "Ordinance Relating to M.D. (DOCTOR OF MEDICINE) Programme in the following Specialities:
    1. MD (Doctor of Medicine) in Naturopathy (Clinical)
    2. MD (Doctor of Medicine) in Clinical Yoga
    3. MD (Doctor of Medicine) in Acupuncture and Energy Medicine
    4. MD (Doctor of Medicine) in Nutrition and Dietetics
- It shall come into force from academic session 2020-21.

Vision

Provide a safe, functional, and comfortable environment conducive to learning, working, and conducting research through Professionalism, Excellence and Teamwork in the field of Naturopathy & Yogic Sciences.

Mission

Impart training & skills for patient-centered care, knowledge of existing and evolving biomedical, clinical, epidemiological and social-behavioral sciences. Develop ability to improve patient care ethically based on self-evaluation and life-long learning through scientific evidence. Inculcate interpersonal and communication skills to engage in an inter-professional team in a manner that optimizes safe, effective patient and population-centered care through Yoga & Naturopathic Medicine.

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PROGRAMME OBJECTIVES

At the completion of the postgraduate training in the discipline concerned the student should be able to;

I. Capable to understand the importance of concerned speciality in the context of the health needed in the community and the national priorities in the health section.

II. Able to practise the concerned speciality ethically and follow the principles of primary health care.

III. Demonstrate sufficient understanding of the basic sciences relevant to the concerned speciality.

IV. Able to identify Social, economic, environmental, biological and emotional determinants of health in a given case, and take into account while planning therapeutic, rehabilitative, preventive and primitive measure/ strategies.

V. Diagnose and manage majority of the conditions in the speciality concerned on the basis of clinical assessment, and appropriately selected and conducted investigations.

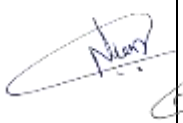
VI. Plan and advice measures for the prevention and rehabilitation of patients suffering from disease and disability related to the speciality.

VII. Demonstrate skills in documentation of individual case details as well as morbidity and mortality rate relevant to the assigned situation.

VIII. Demonstrate empathy and humane approach towards patients and their families and exhibit interpersonal behaviour in accordance with the societal norms and expectations.

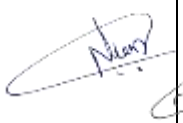
IX. Play the assigned role in the implementation of national health programme, effectively and responsibly.

X. Organize and supervise the chosen/assigned health care services demonstrating

								
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adequate managerial skills in the clinic/hospital or the field situation.

XI. Develop skills as a self-directed learner, recognize continuing education needs; select and use appropriate learning resources.

								
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XII. Demonstrate competence in basic concepts of research methodology and epidemiology, and be able to critically analyse relevant published research literature.

XIII. Develop skills in using educational methods and techniques as applicable to the teaching of medical/nursing students, general physicians and paramedical health workers.

XIV. Function as an effective leader of a health team engaged in health care, research or training.

The goal of post graduate programme is to create specialists, who would be able to add a high quality health care and also accelerate/ promote the cause of science through research and training. The following are the goal which a post graduate will be able to achieve.

I. Shall recognize and understand the health needs of the community, and should be capable of caring out the professional duties ethically and adhering with the objectives of the National Health Policies.

II. Shall have comprehended most of the aptitude, pertaining to the speciality required to be practiced at the secondary and tertiary levels of the health care delivery system.

III. Shall be aware of the current advancement and development in the respective discipline.

IV. Shall have acquired the scientific interest and is oriented with principles of research methodology and epidemiology;

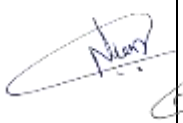
V. And shall have acquired the teaching skills of the medical and paramedical professionals.

Statement of competencies

Keeping in view the general objective of postgraduate training, each discipline shall aim at

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development of specific competencies, which shall be defined and spelt out in clear terms. Each department shall produce a statement and bring it to the notice of the trainees in the beginning of the program so that he or she can direct the efforts towards the attainment of these components.

								
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Components of the postgraduate curriculum:

The major components of the postgraduate curriculum shall be:

- Theoretical knowledge
- Practical and clinical skills
- Writing thesis/ research articles
- Attitudes including communication skills
- Training in research methodology, medical ethics and medico legal aspects

Nomenclature of postgraduate courses

Branches/ Streams/Specialization of studies:-

1. M.D. (Doctor of Medicine) in Naturopathy (Clinical)
2. M.D. (Doctor of Medicine) in Clinical Yoga
3. M.D. (Doctor of Medicine) in Acupuncture and Energy Medicine
4. M.D. (Doctor of Medicine) in Nutrition and Dietetics

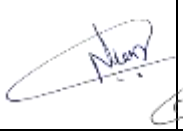
(Syllabus of each discipline attached as annexure 1, 2, 3 & 4.)

Eligibility for Admission

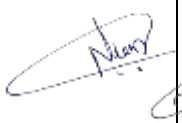
B.N.Y.S. (4 years 6 months + 1 year Internship) Graduated from a UGC recognised University who has completed 4th year BNYS and 1 year internship with a Degree Certificate

Obtaining eligibility certificate by the University before admission

No candidate shall be admitted for any postgraduate degree course unless the candidate has obtained and produced the eligibility certificate issued by the university. The candidate has to give application to the university with the following documents along with the prescribed fee.

								
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- B.N.Y.S. pass degree/ provisional degree certificate issued by the university.
- B.N.Y.S. Mark cards of all the years of university examination.
- Completion of Internship certificate.
- Proof of SC/ST or category 1, as the case may be.

								
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Intake of students

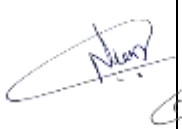
1. Students for postgraduate courses shall be selected strictly on the basis on University entrance exam i.e. SNET and academic merit or any other norms as put forward by the Government.
2. For determining the academic merit, the university/ institution may adopt any one of the following procedures for degree courses:-
    a. On the basis of merit as determined by the competitive test conducted by the state government or by the competent authority appointed by the state government or by the university/ group of universities in the same state; or
    b. On the basis of merit as determined by a centralized competitive test held at the national level; or
    c. On the basis of the individual cumulative performance at their BNYS examination, if such examination have been passed from the same university: or
    d. Combination of a and c :
    e. Provided that wherever entrance test for postgraduate admission is held by a state government or a university or any other authorized examining body, the minimum percentage of marks for eligibility for admission to postgraduate medical courses shall be 50% for candidates belonging to general category and 45% for the candidate belonging to scheduled Castes, Scheduled tribes and other backward classes.

Duration of study

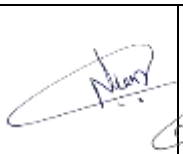
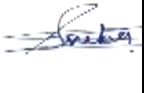
The course of study shall be for a period of three years.

Method of training

The training mode will be **compulsory residency pattern** with graded responsibilities in the management and treatment of patient entrusted to his/her care.

								
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The candidates shall be trained in theory and practice of respective therapy. The candidates must be exposed to applied basic sciences and clinical training in different specialties.

								
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Period of Training

(1) The period of training for the award of the MD: Programme shall be of three years duration for three academic years as full time candidates in an institution including the period of examination. Provided that the time period required for passing out of the MD Program shall be a maximum of six years from the date of admission in said course.

(2) During the period, each student shall take part actively in learning and teaching activities design by the institution or the university. The teaching and learning activities in each specialty, shall be as under:-

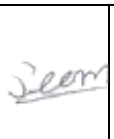
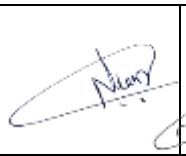
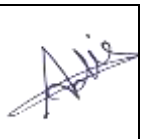
(a) LECTURES: There shall be some didactic lectures in the specialty and in the allied fields. The departments shall encourage guest lecturers in the required areas and integrated lectures by multi-disciplinary teams on selected topics, to strengthen the training programmes.

(b) JOURNAL REVIEW: The journal review meetings shall be held at least once a week. All trainees associated and staffs associated with the post-graduate programme are expected to participate actively and enter relevant details in the logbook. The trainee shall make presentations from the allotted journals of selected articles. A model check list for the evaluation of journal review presentation is annexed at Schedule-I of these regulations.

(c) SEMINARS: The seminars shall be held at least twice a week in each department. All trainees are expected to participate actively and enter relevant details in logbook. A model check list for the evaluation of seminar presentation is annexed at Schedule-II of these regulations.

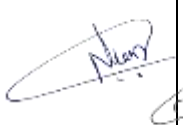
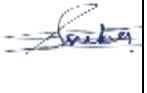
(d) SYMPOSIUM: It is recommended to hold symposium on topics covering multiple disciplines.

(e) CLINICAL POSTINGS: Each trainee shall work in the clinics on regular basis to

								
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acquire adequate professional skills and competency in managing various cases. A model check list for evaluation of clinical postings is annexed in these regulations.

(f) CLINICO- PATHOLOGICAL CONFERENCE: The clinico-pathological conference shall be held once a month involving the faculties. The trainees shall be encouraged to

								
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present the clinical details, radiological and histo-pathological interpretations and participation in the discussions.

(g) INTER-DEPARTMENTAL MEETINGS: To encourage integration among various specialties, there shall be inter-departmental meeting chaired by the Principal with all heads of post-graduate departments at least once a month.

(h) TEACHING SKILLS: All the trainees shall be encouraged to take part in undergraduate teaching programs either in the form of lectures or group discussions. A model check list for evaluation of teaching skills is annexed in these regulations.

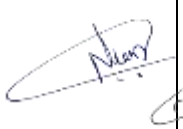
(i) EDUCATION PROGRAMS: Each department shall organize educations programs on regular basis involving other institutions. The trainees shall also be encouraged to attend such programs conducted outside their university or institute.

(j) CONFERENCE / WORKSHOPS / ADVANCED COURSES: The trainees shall be encouraged to attend conference/workshops/advanced courses and also to present at least two scientific papers and two posters at State / national level specialty and allied conferences/conventions during the training period.

(k) ROTATION AND POSTING IN OTHER DEPARTMENTS: To bring in more integration among the specialties and allied fields, each department shall workout a program to rotate the trainees in related disciplines.

(l) DISSERTATION / THESIS: The PG student shall prepare a dissertation based on the clinical or experimental work or any other study conducted by them under the supervision of the guide.

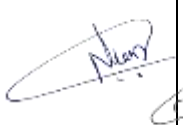
(3) All the students of the specialty departments shall complete the minimum quota for the teaching and learning activities, as follows:-

								
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(a)	Journal Clubs :	5 in a year
(b)	Seminars:	7 in a year
(c)	Clinical Case Presentations:	4 in a year
(d)	Lectures taken for undergraduates:	1 subject in a year
(e)	Scientific Paper / Poster Presentations:	4 papers/posters during three years three year in State / National Level Conferences of training workshop.
(f)	Clinico Pathological Conferences period:	2 presentations during three years of training
(g)	Scientific Publications	One publication in any indexed scientific journal
(h)	Submission of Synopsis:	One synopsis within six months from the date of commencement
(i)	Submission of Dissertation months:	One dissertation within six months before appearing for University examination
(j)	Submission of Library Dissertation:	One dissertation before appearing. within six months before appearing for the university examination

It is mandatory that all candidate should take part in seminar, group discussions, grand rounds, case demonstrations, clinics, journal review meeting and also must participate in the teaching and training program of undergraduate students.

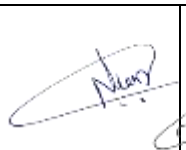
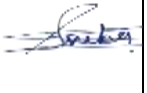
During the period of training, attendance not less than 85 % during each calendar year is must and given full time responsibility, assignments and participation in all facets of the

								
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educational process.

Post graduate student shall maintain a record (log) book of the work carried out by them and the training programme undergone during the period of training including details of surgical operations assisted or done independently by candidates. The record books shall be checked and assessed by the faculty members imparting the training.

Any student who fails to complete the course in the manner stated above shall not be permitted to appear for the university examinations.

								
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Monitoring progress of studies

Every candidate shall maintain a work diary and record of his/ her participation in the training programs conducted by the department; the candidate may make special mention in the presentations on the observations made on clinical or laboratory procedures if conducted by the candidate. The work diary shall be sanction and certified by the head of the department and head of the institution and presented in the university practical/clinical examination.

Records: - Records and marks obtained in test will be maintained by the head of the department and will be made available to the university.

It is mandatory to carry out work on a selected research project under the guidance of a recognized post graduate teacher. The results of such a work shall be submitted in the form of dissertation also should be published in indexed journals.

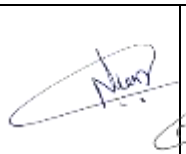
The synopsis shall be submitted to the registrar of the university within 6 months from the date of commencement of the course or before the dates notified by the university.

Schedule of examination

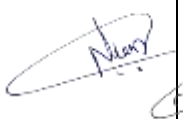
The examination for M.D courses shall be held at the end of three academic years. The university shall conduct two internal examinations in a year at an interval of 4-6 months between the two examinations.

Scheme of Examination

It shall consist of Dissertation, Written paper (theory), Practical/ Clinical and Viva.

								
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Dissertation: - Every candidate shall carry out work and submit a dissertation as indicated by the university guidelines. Acceptance of dissertation shall be a precondition for the candidate to appear for the final examination.

								
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Written Examination: - It shall consist of 4 papers each of 3 hours duration. Each paper shall carry 100 marks out of the four papers. Out of these one shall be Basic medical Sciences and one shall be of recent advances. The theory examinations shall be held well in advance before the clinical and practical examination, so that the answer books can be assessed and evaluated before the Commencement of the clinical/practical and oral examination.

Theory internal marks :- ***(100 marks)***

60% marks will be based on the internal assessment and 40 % will be based on the Dissertation and publication.

Table 1: Main Subjects for Examination and Distribution of marks

S. No.	Main Subject	Theory				Practical				Grand Total
		No. of Papers	Max. Marks	Internal Marks	Total theory marks	Practical Marks	Viva-Voce Marks	Practical Internal marks	Total Practical Marks	
1	Paper I- Applied Basic Medical Sciences And Concepts Of Health & Diseases In (Naturopathy/Yoga/Acupuncture & Energy Medicine/ Nutrition & Dietetics)	One	100	100	**500**	200	100	100	400	**900**
2	Paper II- Diagnosis Using Conventional Medicine & Indicators Of Disease Process In relevant discipline and The Therapeutic Management Of Disorders	One	100							

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3	Paper III- Diagnosis Using Conventional Medicine & Indicators Of Disease Process In relevant discipline and The Therapeutic Management Of Disorders	One	100							
4	Paper IV- Research Methodology And Recent Advances	One	100							

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Table 2: Pattern for the theory question paper

Duration: - 3 Hrs. **Max Marks: 100**

Type of questions	No of questions for each subject	No. of questions and marks for each question	Total Marks
Long Essay	2	2x20	40
Short Essay	6	06x10	60

Practical examination for the subjects in Basic Medical Sciences shall be conducted to test the knowledge and competence of the candidates for making valid and relevant observations based on the experimental/ laboratory studies and his ability to perform such studies as are relevant to his subject.

The **oral examination** shall be thorough and shall aim at assessing the candidate knowledge and competence about the subject, investigative procedures, therapeutic technique and other aspects of the speciality, which form a part of the examination.

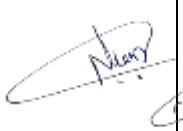
Practical/Clinical Examination: Total marks 200

Clinical examination for the subjects in clinical sciences shall be conducted to test the knowledge and competence of the candidates for undertaking independent work as a specialist/ teacher, for which candidates shall examine a minimum one long case and two short cases.

To elicit competence in clinical skills one long case 100 marks

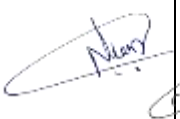
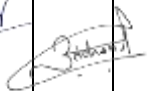
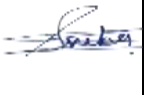
Differential diagnostic formulations Short cases-50 x 2 100 marks

In case of practical examination it should be aimed at assessing (i) competence in the practice of therapy techniques and teaching methods, (ii) use of disease specific modules based on clinical examinations, (iii) ability to make relevant and valid observations,

								
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interpretations, and inference of laboratory or experimental work relating to his/her subject

In case of clinical examination, it should be aimed at examining clinical skills and competence of candidates for undertaking independent work as a specialist. Each candidate should examine at least

								
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one long case and two short cases.

The total marks for practical/clinical examination shall be 200.

Viva voce: Shall aim at assessing depth of knowledge, logical reasoning, confidence and oral communication skills. The total marks shall be 100 and the distribution of marks shall be as under:

For examination of all components of syllabus	70 marks
For pedagogy	20 marks
For record	10 marks

Viva-voce examinations: (70 marks)

All examiners will conduct viva-voce conjointly on candidate's comprehension, analytical approach, expression and interpretation of data. It includes all components of course contents. In addition candidates may be also be given case reports, charts, gross specimens, histopathology slides, x-rays, ultrasound, CT scan images, etc., for interpretation. In addition, the candidates may also be evaluated on the skills in identifying and interpreting the indicators of disease according to yoga. It includes discussion on dissertation also

Pedagogy Exercise: (20 marks)

A topic is given to each candidate in the beginning of clinical examination. He/she asked to make a presentation on the topic for 8-10 minutes.

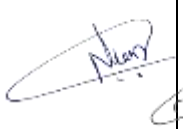
Note: - A candidate shall secure not less than 50% marks in each head of passing which shall include theory and practical.

Record: (10 Marks)

A Practical oriented Record Book will be maintained for documenting Special Cases. A total of minimum 10 special Clinical cases handled by the PG student should be recorded.

Practical Internal Marks: - (100 marks)

60% will be based on marks obtained in seminar, journal club and case presentation, etc. (Checklist & Award proforma illustrated below) and 40 % will be based on performance in academic and clinical duty.

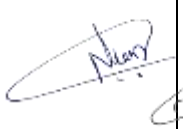
								
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FORMAT OF MODEL CHECK LIST

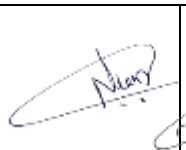
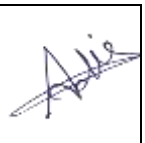
Check List-I: - Model check list for evaluation of journal review presentations

Name of the Student: **Name of the Faculty/Observer:** **Date:**

S. No	Items for observation during presentation	Poor 0	Below average 1	Average 2	Good 3	Very Good 4
1	Article chosen was					
2	Extent of understanding of scope & objectives of the paper by the candidate					
3	Whether cross references have been consulted					
4	Whether other relevant publications consulted					
5	Ability to respond to questions on the paper/subject					
6	Audio-Visual aids used					
7	Ability to defend the paper					
8	Clarity of presentation					

								
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9	Any other observation					
	Total Score					

								
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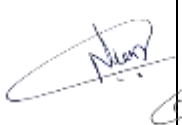
Check List-II: - Model check-List for Evaluation of seminar presentations

Name of the Student: **Name of the Faculty/Observer:** **Date:**

S. No	Items for observation during presentation	Poor 0	Below average 1	Average 2	Good 3	Very Good 4
1	Whether other relevant publications consulted					
2	Whether cross references have been consulted					
3	Completeness of preparation					
4	Clarity of presentation					
5	Understanding of subject					
6	Ability to answer questions					
7	Time scheduling					
8	Appropriate use of Audio-visual aids					
9	Overall performance					

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10	Any other observation					
	Total Score					

								
Dr. Nair Dhiren Ajit	Dr. Seema Dixit	Dr. Niraj Nayan Rishi	Dr. Archana Anilkumar	Dr. Abhay Kumar	Dr. Abhijith.K. B	Dr. Jyoti Madhur	Dr. Sneha Bharti	Dr. Adil

Check List-III: -Model check list for Evaluation of clinical work in ward /OPD

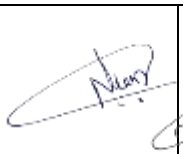
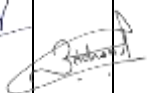
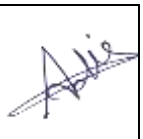
(To be completed once a month by respective Unit Heads including posting in other departments)

Name of the Student: **Name of the Unit head** **Date**

S. No.	Points to be considered	Poor 0	Below average 1	Average 2	Good 3	Very Good 4
1	Regularity of attendance					
2	Punctuality					
3	Interaction with colleagues and supportive staff					
4	Maintenance of case records					
5	Presentation of cases during rounds					
6	Investigations work up					
7	Beside manners					
8	Rapport with patients					

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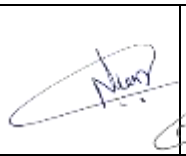
9	Counseling patients relatives for blood donation or postmortem and case follow up					
10	Overall quality of ward work					
	Total Score					

								
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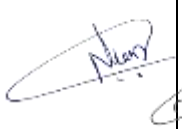
Check List –IV: - Evaluation form for Clinical presentation

Name of the Student. **Name of the Faculty;** **Date:**

S. No.	Points to be considered	Poor 0	Below average 1	Average 2	Good 3	Very Good 4
1	Completeness of history					
2	Whether all relevant points elicited					
3	Clarity of Presentation					
4	Logical order					
5	Mentioned all positive and negative points of importance					
6	Accuracy of general physical examination					
7	Whether all physical signs elicited correctly					
8	Whether any major signs missed or misinterpreted					
9	Diagnosis; Whether it follows logically from history and findings					
10	Investigations required • Complete list • Relevant order • Interpretation of investigations					
I I	Ability to react to questioning Whether it follows logically from history and findings					
12	Ability to defend diagnosis					

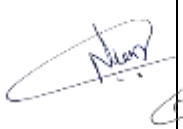
								
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13	Ability to Justify differential diagnosis					
14	Others					
	Grand Total					

								
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Check List-V: - Model check list for evaluation of teaching skill practice

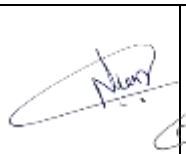
S. No.	Points to be considered	Strong point	Weak Point
1	Communication of the purpose of the talk		
2	Evokes audience interest in the subject		
3	The introduction		
4	The sequence ideas		
5	The use of practical examples and/or illustrations		
6	Speaking style(enjoyable, monotonous, etc, specify)		
7	Attempts audience participation		
8	Summary of the main points at the end		
9	Asks questions		
10	Answers questions asked by the audience		
11	Rapport of speaker with his audience		
12	Effectiveness of the talk		
13	Uses AV aids appropriately		

								
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Check List –VI: -Model check list for dissertation presentation

Name of the Student: **Name of the Faculty:** **Date:**

S. No.	Points to be considered divine	Poor 0	Below average 1	Average 2	Good 3	Very Good 4
1	Interest shown in selecting a topic					
2	Appropriate review of literature					
3	Discussion with guide & other faculty					
4	Quality of Protocol					
5	Preparation of proforma					
	Total Score					

								
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Check List-VII: - Continuous evaluation of dissertation work by guide / co-guide

Name of the Student: **Name of the Faculty:** **Date:**

S. No.	Items for observation during presentations	Poor 0	Below average 1	Average 2	Good 3	Very Good 4
1	Periodic consultation with guide/co-guide					
2	Regular collection of case material					
3	Depth of analysis/discussion					
4	Departmental presentation of findings					
5	Quality of final output					
6	Others					
	Total Score					

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LOG BOOK

Table 1: Academic activities attended:-

Name: **Admission Year** **College:**

Date	Type of Activity Specify Seminar. Journal Club, Presentation, UG teaching	Particulars

LOG BOOK

Table 2: Academic presentations made by the student

Name: **Admission Year:** **College:**

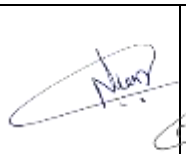
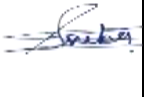
Date	Topic	Type of presentation Specify Seminar, Journal Club, Presentation, UG teaching etc

The logbook is a record of the important activities of the candidates during his training; internal assessment should be based on the evaluation of the logbook collectively. Logbooks are a tool for the evaluation of the training program of the

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institution by external agencies.

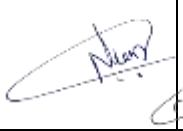
The record includes academic activities as well as the presentations and procedures carried out by the candidate. A format for the logbook for the different activities is given in tables 1 and 2 of Section F,

								
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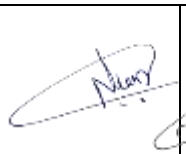
Every student must maintain a record book (diary/logbook) and the work carried out by him and the training program undergone by him during the training, including details of a rotations, night calls, procedure and consultations done as M.D. candidates These record books should be checked and assessed by faculty members imparting the training and certified by the HOD.

PG student diary should include the following activities. Format for PG diary (LOGBOOK)

- Cases seen on rounds - description of interesting cases and other miscellaneous topics discussed.
- Outpatient cases seen and details of interesting cases with follow up
- Procedures done on inpatients and outpatients and consultations done.
- UG teaching done during the day with details.
- PG training programs attended - details of bedside clinics, basic sciences, subject and clinical seminars, journal clubs, and hospital conference.
- Night duties - details of patients managed and emergencies, consultations. Ward calls attended.
- Details of study with topics covered during off hours in library/home Periodicals and journals reviewed with notes on interesting articles.
- Medical meetings, seminars, local professional meetings or other interesting CME, seminars attended.
- Diary should be reviewed on weekly basis by unit faculty and certified on monthly basis for PG's benefit at the end of each specialty rotation Faculty should comment regarding absences and irregularities and make appropriate comments and suggest remedial measure for problematic prodigies.

								
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- Satisfactory progress and 80% attendance mandatory before student allowed appearing for university examination.
- Size of notebook: 15cm cm X 21 cm with 200 pages. All notebooks should have seal of college and HOD's approval: Extra notebooks utilized as and

								
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when necessary. Diaries should be presented at the time of the university clinical exam for review by examiners as per university regulations

Model Overall Assessment Sheet

Name of the College: **Academic Year:**

Sl. No.	Faculty Member & Others	Name of student and mean score									
1		A	B	C	D	E	F	G	H	I	J
2											
3											
4											
5											
Total Score											

Dissertation:

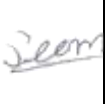
a) Every candidate pursuing M.D. degree course is required to carry out work on a selected research project under the guidance of a recognized post graduate teacher. The results of such a work shall be submitted in the form of dissertation.

b) The dissertation is aimed to train a postgraduate student in research methods and techniques. It includes identification of a problem, formulation of a . hypothesis, search and review of literature, getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and

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comparison of results and drawing conclusions.

c) Every candidate shall submit to the registrar of the university in the prescribed proforma, a synopsis containing particulars of proposed dissertation work within 6 months from the date of commencement of the course or before the dates notified by the university. The Synopsis shall be seen through the proper channel.

								
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d) Such synopsis will be reviewed and the university will register the dissertation topic. No change in the dissertation topic or guide shall be made without prior approval of the university.

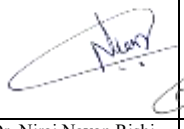
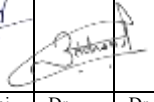
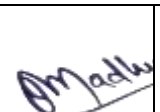
e) The dissertation should be written under the following headings

- Introduction
- Aims or Objectives of study
- Review of literature
- Material and Methods
- Results
- Discussion
- Conclusion
- Summary
- Limitations and Future Directions
- References
- Tables
- Annexure

f) The written text of the dissertation shall not be less than 50 pages and shall not exceed 150 pages, excluding references, tables, questionnaires, and other annexures. It should be neatly typed in double-line spacing on one side of paper (A4 size, 8.27 X 11.69") and bound properly. Spiral binding should be avoided. The guide, the head of the department and head of the institution shall certify the dissertation.

g) Four copies of dissertation thus prepared shall be submitted to the registrar 6 months before final examination on or before the dates notified by the university.

h) Examiners appointed by the university shall value the dissertation. Approval of dissertation work is an essential precondition for a candidate to appear in the university examination.

								
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