

REVISED ORDINANCE GOVERNING ENROLMENT OF CANDIDATES FOR RESEARCH LEADING TO Ph.D IN  
VARIOUS FACULTIES OF HEALTH SCIENCES -2024



RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES, KARNATAKA  
4<sup>TH</sup> "T" BLOCK, JAYANAGAR, BANGALORE -560 041

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Rajiv Gandhi University of Health Sciences, Karnataka  
4<sup>th</sup> T Block, Jayanagar, Bangalore – 560 041

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RGUHS/R&D/Ph.D/Revised Ordinance/10/2024-25

Date:07/02/2024

### Notification

|      |  |
|------|--|
| Sub: | Revised Ordinance Governing Enrolment of candidates for Research leading to PhD of Rajiv Gandhi University of Health Sciences, Karnataka |
| Ref: | 1.Minutes of Meeting of Syndicate dated: 05/01/2024<br>2.Proceedings of the PhD committee meeting held :03/01/2024                       |

In exercise of the powers vested under section 13 (2) of RGUHS Act 1994, the revised ordinance Governing Enrolment of candidates for Research leading to PhD of Rajiv Gandhi University of Health Sciences is notified herewith as per annexure.

This ordinance as above shall come into force with immediate effect (2024-25 onwards)

By Orders

  
Registrar

To,

The Principals of colleges affiliated Rajiv Gandhi University of Health Sciences, Bangalore

**Copy to:**

1. The secretary to Governor Raj Bhavan, Bangalore-560 001
2. The Principal, Secretary to Government Health & Family Welfare, Dept.(Medical Education) M.S.Building, Dr.B.R.Ambedkar Veedhi, Bangalore-560 001
3. All Officers of the University
4. P.A to Vice-Chancellor/Registrar/Registrar (Eva)/Finance Office
5. Guard File.



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RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES, KARNATAKA, BENGALURU

4<sup>th</sup> T Block, Jayanagar, Bengaluru – 560 041

No. RGUHS/R&D/revision of Ph D ordinance/01/2024

Date: 07-02-2024

## NOTIFICATION

|      |   |
|------|---|
| Sub: | Revised Ordinance Governing Enrolment of candidates for Research leading to Ph.D of Rajiv Gandhi University of Health Sciences, Karnataka.            |
| Ref: | 1. Minutes of the Meeting of Syndicate dated: 05/01/2024.<br>2. Proceedings of the Ph D subcommittee- meeting held on 24/08/2023, 05/10/23 & 28/11/23 |

In exercise of the powers vested under section 13 (2) of RGUHS Act 1994, the revised ordinance Governing Enrolment of candidates for Research leading to Ph. D of Rajiv Gandhi University of Health Sciences is notified herewith as per annexure.

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Sd/-

REGISTRAR

To,  
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Copy to:

1. Secretary to Governor Raj Bhavan, Bangalore – 560 001.
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3. All Officers in the university.
4. P.A to Vice – Chancellor / Reg/ Reg (Eva)/ Finance Officer.
5. Guard File



REVISED ORDINANCE GOVERNING ENROLMENT OF CANDIDATES FOR  
RESEARCH LEADING TO Ph.D IN VARIOUS FACULTIES OF HEALTH SCIENCES OF  
RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES, KARNATAKA.

**1. PREAMBLE:**

Rajiv Gandhi University of Health Sciences is also committed to promote research activities, both in basic and applied aspects in various faculties of Health Sciences such as Medical, Dental, Pharmacy, AYUSH, Nursing, Physiotherapy and Allied Health Sciences in the institutions/colleges affiliated to this University.

**2. ELIGIBILITY CRITERIA TO APPEAR FOR ENTRANCE EXAMINATION:**

A Post Graduate qualification in the concerned specialization and faculty.

**3. ELIGIBILITY CRITERIA FOR ADMISSION TO Ph. D. PROGRAMME:**

The Students who secure 50 percentage and above in the Ph D Entrance Examination are declared selected for admission to Ph D courses as per calendar of events and such result is valid for two terms (for that academic year and next academic year)subject to availability of guides.

**3a: Medical:**

Candidates with M.D. or M.S or Medical P.G. Diploma, DM/MCh M.Sc. in Medical subjects under Medical Faculty (3years course from a Medical College) are eligible for enrolment for Ph.D course in concerned subjects only.

**3b: Dental:**

Candidates with MDS or Dental PG Diploma are eligible for enrolment of Ph.D Course in Dentistry in concerned subjects only.

**3c:Physiotherapy:**

Candidates with a PG degree in Physiotherapy i.e., MPT degree awarded by this University or a Master's degree considered as equivalent by RGUHS are eligible for enrolment to Ph.D course in Physiotherapy.

**3d: Health Sciences Library and Information System (HSLIS):**

Candidates with Masters Degree in Library and Information Sciences or a Degree considered as equivalent by RGUHS are eligible for enrolment to Ph.D course in Health Sciences Library and Information System (HSLIS). Preference will be given to the candidates who have completed the PGDHL course from RGUHS.

**3e: Pharmacy:**

Candidates with M.Pharm, Pharm-D and Pharm – D (PB) degree awarded by this University or a College/University recognized by AICTE/PCI or a P.G. Degree in Pharmacy considered as equivalent by RGUHS, are eligible for enrolment for Ph.D course in Pharmacy.

**Note:**

- Candidates with Pharm-D degree are eligible to register for Ph.D in Pharmacy Practice only.
- Candidates with M-Pharm in Pharmaceutics, Pharmaceutical Technology and Industrial Pharmacy are eligible to register for Ph.D in any one of the 3 subjects.
- Candidates with M-Pharm in Quality Assurance and Pharmaceutical Analysis are eligible to register for Ph.D in any one of the 2 subjects.

### **3f: AYUSH system of Medicine:**

i) **Ayurveda**

Candidates with Ayurveda Vachaspathi-M.D (Ayu) / Ayurveda Dhanvanthari-MS (Ayu) awarded by RGUHS or an equivalent P.G. qualification awarded by any other College/University recognized by NCISM are eligible for enrolment for Ph.D course in concerned subjects of Ayurveda.

ii) **Naturopathy & Yogic Sciences**

Candidates with a P.G. degree in Naturopathy & Yogic sciences awarded by RGUHS or an equivalent qualification in the concerned specialty from an institution, recognized by RGUHS are eligible for enrolment for Ph.D course in Naturopathy & Yogic Sciences in the concerned subjects.

iii) **Unani**

Candidates with a post graduate degree in Unani, awarded by RGUHS or an equivalent qualification awarded by a College/University recognized by NCISM in the concerned specialty are eligible for enrolment for Ph. D course in concerned subjects of Unani.

iv) **Homoeopathy:**

Candidates with M.D. in Homoeopathy degree awarded by this University or an equivalent P.G. qualification awarded by a College/ University recognized by NCH are eligible for enrolment for Ph.D course in concerned subjects of Homoeopathy.

### **3g: Nursing:**

Candidates with M.Sc/M.Phil in Nursing degree awarded by this University or a College/University recognized by INC or a P.G. Degree in Nursing considered as equivalent by INC are eligible for enrollment for Ph.D course in concerned subjects of Nursing.

### **3h: Allied Health Sciences:**

(i)**Radiation Physics :**

- (a) Candidates with M.Sc in Radiation Physics/MSc Radiotherapy awarded by RGUHS (OR)
- (b) M.Sc in Medical Physics (2 years course with one year internship) awarded by other University considered as equivalent by RGUHS (OR)
- (c) M.Sc Physics + One year Diploma in Radiological Physics

(ii)**Clinical Psychology :**

- (a) Candidates with M.Sc in Clinical Psychology awarded by RGUHS (OR)
- (b) M.Sc in Clinical Psychology awarded by other University considered as equivalent by RGUHS (OR)
- (c) M.Phil in Clinical Psychology with M.Sc in Clinical Psychology .
- (d) MA/M.Sc. in psychology awarded by other university considered as equivalent by RGUHS{OR}
- (e) M.Phil. in psychology with MA/M.Sc in Biomedical sciences

**(iii) Neuro Sciences Technology:**

- a) Candidates with M.Sc in Neuro Science Technology awarded by RGUHS (OR)
- b) M.Sc in Neuro Science Technology awarded by other University considered as equivalent by RGUHS (OR)
- c) M.Phil in Neuro Science Technology with M.Sc in Neuro Science Technology

**(IV) Clinical Research:**

- a) Candidates with M.Sc in Clinical Research awarded by RGUHS (OR)
- b) M.Sc in Clinical Research awarded by other University considered as equivalent by RGUHS (OR)
- c) M.Phil in Clinical Research with M.Sc in Clinical Research.
- d) M.Sc. or M.Phil. in Life Sciences/Biotechnology/ Zoology/ Biochemistry/ Microbiology/ Biosciences/ Biophysics/ Bioinformatics/ Biological Sciences/ Animal Sciences/ Plant Molecular Biology/ Genetics/ Neurobiology awarded by University recognized by UGC **(OR)**
- e) M. Sc. in Medical Biotechnology awarded by other University considered as equivalent by RGUHS **(OR)**
- f) M. Phil in Medical Biotechnology with M.Sc. in Medical Biotechnology **(OR)**
- g) M.Sc in Human Genomics/ Genetics awarded by other University considered as equivalent by RGUHS **(OR)**
- h) M. Phil. in Human Genomics/ Genetics with M.Sc. in Human Genomics/ Genetics **(OR)**
- i) M. Sc. in Toxicology awarded by other University considered as equivalent by RGUHS **(OR)**
- j) M. Phil. in Toxicology with M.Sc. in Toxicology **(OR)**
- k) M.VSc./ M.Sc. in Veterinary Sciences awarded by other University considered as equivalent by RGUHS **(OR)**
- l) M.Phil. in Veterinary Sciences with M.Sc. in Veterinary Sciences.

**(V) Medical Imaging Technology:**

- a) Candidates with M.Sc in Medical Imaging Technology awarded by RGUHS (OR)
- b) M.Sc in Medical Imaging Technology awarded by other University considered as equivalent by RGUHS (OR)
- c) M.Phil in Medical Imaging Technology with M.Sc in Medical Imaging Technology

**(VI)Public Health:**

- a) Candidates with Masters in Public Health awarded by RGUHS (OR)
- b) Masters in Public Health awarded by other University considered as equivalent by RGUHS (OR)
- c) M. Phil in Public Health with Masters in Public Health

**(VII)Renal Dialysis Technology:**

- a) Candidates with M. Sc in Renal Dialysis Technology awarded by RGUHS (OR)
- b) M.Sc in Renal Dialysis Technology awarded by other University considered as equivalent by RGUHS (OR)
- c) M. Phil in Renal Dialysis Technology with M.Sc in Renal Dialysis Technology.

**(VIII)Medical Laboratory Technology:**

- a)Candidates with M.Sc in Medical Laboratory Technology in Clinical Biochemistry/Microbiology and Immunology / Hematology and Blood transfusion awarded by RGUHS (OR)
- b)M.Sc in Medical Laboratory Technology in Clinical Biochemistry/ Microbiology and Immunology / Hematology and Blood Transfusion awarded by other University considered as equivalent by RGUHS (OR)
- c). M. Phil in Medical Laboratory Technology with M.Sc in Medical Laboratory Technology
- d) M. Sc. In Immunology awarded by other University considered as equivalent by RGUHS **(OR)**
- e) M.Phil. in Immunology with M.Sc. in Immunology **(OR)**
- f) M. Sc. in Virology awarded by other University considered as equivalent by RGUHS **(OR)**
- g) M. Phil in Virology with M.Sc. in Virology **(OR)**
- h) M. Sc. in Medical Microbiology (2 year course) awarded by other University considered as equivalent by RGUHS**(OR)**
- i) M.Phil. in Medical Microbiology with M.Sc. in Medical Microbiology **(OR)**
- j) M. Sc. in Medical Biochemistry (2 year course) awarded by other University considered as equivalent by RGUHS **(OR)**
- k) M. Phil in Medical Biochemistry with M.Sc. in Medical Biochemistry

**(IX)Perfusion Technology:**

- a)Candidates with M. Sc in Perfusion Technology awarded by RGUHS (OR)
- b) M. Sc in Perfusion Technology awarded by other University considered as equivalent by RGUHS (OR)
- c) M. Phil in Perfusion Technology with M. Sc in Perfusion Technology

**(X)Hospital Administration:**

- a) Candidates with Masters in Hospital Administration/ M. Sc in Hospital Administration awarded by RGUHS (OR)



- b) Masters in Hospital Administration/ M. Sc in Hospital Administration awarded by other University considered as equivalent by RGUHS (OR)
- c) M. Phil in Hospital Administration with Masters in Hospital Administration

**(XI) Prosthetics and Orthotics:**

- a) Candidates with M. Sc in Prosthetics and Orthotics awarded by RGUHS (OR)
- b) M. Sc in Prosthetics and Orthotics awarded by other University considered as equivalent by RGUHS (OR)
- c) M. Phil in Prosthetics and Orthotics with M. Sc in Prosthetics and Orthotics

**(XII) Echocardiography:**

- a) Candidates with M. Sc in Echocardiography awarded by RGUHS (OR)
- b) M. Sc in Echocardiography awarded by other University considered as equivalent by RGUHS (OR)
- c) M. Phil in Echocardiography with M. Sc in Echocardiography

**(XIII) Optometry:**

- a) Candidates with M. Sc in Optometry awarded by RGUHS (OR)
- b) M. Sc in Optometry awarded by other University considered as equivalent by RGUHS (OR)
- c) M. Phil in Optometry with M. Sc in Optometry

**(XIV) Anesthesia Technology:**

- a) Candidates with M.Sc in Anesthesia Technology awarded by RGUHS (OR)
- b) M.Sc in Anesthesia Technology awarded by other University considered as equivalent by RGUHS (OR)
- c) M. Phil in Anesthesia Technology with M.Sc in Anesthesia Technology.

**(XV) Operation Theatre Technology:**

- a) Candidates with M. Sc in Operation Theatre Technology awarded by RGUHS (OR)
- b) M. Sc in Operation Theatre Technology awarded by other University considered as equivalent by RGUHS (OR)
- c) M.Phil in Operation Theatre Technology with M.Sc in Operation Theatre Technology.

**(XVI) Respiratory Care Technology:**

- a) Candidates with M. Sc Respiratory Care Technology awarded by RGUHS (OR)
- b) M. Sc in Respiratory Care Technology awarded by other University considered as

equivalent by RGUHS (OR)

c) M. Phil in Respiratory Care Technology with M. Sc in Respiratory Care Technology

**(XVII) Human Anatomy:**

a) M.Sc.in Human Anatomy awarded by other University considered as equivalent by RGUHS **(OR)**

b) M.Phil.in Human Anatomy with M.Sc. in Human Anatomy

**(XVIII) Human Physiology:**

a) M. Sc. in Human Physiology awarded by other University considered as equivalent by RGUHS **(OR)**

b) M. Phil. in Human Physiology with M.Sc. in Human Physiology

**(XIX) Forensic Sciences:**

a) M. Sc. in Forensic Sciences awarded by other University considered as equivalent by RGUHS **(OR)**

b) M. Phil. in Forensic Sciences with M.Sc. in Forensic Sciences.

**(XX) Radiotherapy:**

a) M. Sc. in Radiotherapy awarded by other University considered as equivalent by RGUHS **(OR)**

b) M. Phil. in Radiotherapy with M.Sc. in Radiotherapy.

**NOTE:**

- Foreign Nationals / NRIs intending to register for Ph.D. Programme should obtain equivalence certificate from AIU(Association of Indian Universities)and Eligibility Certificate from RGUHS before admission.
- All foreign nationals irrespective of their PG Studies in India (including RGUHS) or abroad are required to obtain eligibility certificate by paying eligibility fees and submission of copies of valid passport, visa and police permission for residential permit for stay in India.
- The post graduate qualified Candidates from other Universities applying for Ph.D Registration are required to obtain eligibility certificate by paying the eligibility fees as prescribed for PG Programme by RGUHS
- The M.Sc degree holders, after their Ph.D shall confine themselves only to provide research inputs and perform investigative procedures. They are not permitted to treat patients but they can involve in academic work.

**4.SYLLABUS FOR ENTRANCE EXAMINATION:-**

The entrance examination is conducted in two parts namely

1. Principles of basic Research methodology – Paper - I
2. Specialty Subject paper - Paper – II

The specialty subject paper Syllabus content shall ordinarily be equal to the syllabus and books prescribed for Post-Graduate Course for that subject as per Regulations of Central Council and/ or the Rajiv Gandhi Universities of Health Sciences.

The Principles of Basic Research Methodology Syllabus is as follows:

- (1) Research Methodology: An Introduction
- (2) Defining the Research Problem, Hypothesis, Generation of Hypothesis
- (3) Research Design
- (4) Sampling Design
- (5) Measurement and Scaling Techniques
- (6) Methods of Data Collection
- (7) Processing, statistics and Analysis of Data
- (8) Sampling Fundamentals
- (9) Interpretation and Report Writing
- (10) Principle and methods of fundamental research method, literature, drug and research problem survey, clinical research
- (11) Writing an article for a scientific journals
- (12) Bioavailability
- (13) Bioequivalence
- (14) Clinical Trials.

#### **4.1 Duration of examination, pattern of Question Paper and Answer Booklet:-**

- There are separate papers for specialty subject with 50 marks and Basic Research Methodology paper with 50 marks.
- Paper - I Question paper comprises of 8 questions of 10 marks each.
- Paper - II Question paper comprises of 8 questions of 10 marks each.
- The candidate shall answer any five questions out of eight questions in both the papers.
- Duration of examination is three hours and separate answer booklets are issued for each paper.

#### **5. DURATION OF THE Ph.D. PROGRAMME:**

- 5.1) The period of training for Ph.D. for full time shall be minimum of two years for candidates who possess M.D/M.S/P.G. Diploma and 3 years for candidates possessing M.Sc. in Medical subjects under Medical Faculty (3 years course from a Medical College). For part time Ph. D. programme minimum duration of three years for candidates possessing M.D/M.S/P.G. Diploma and minimum of four years for candidates possessing M.Sc. in Medical subjects under Medical Faculty (3 years course from a Medical College). However, the maximum duration shall be 5 years both for part time and full time PhD course including course work from the date of his/her provisional registration.
- 5.2) The Ph.D. programme in all other subjects except those cited at 5.1 above shall be for a minimum duration of three years for full time course and five years for part time course and the Maximum duration shall be five years for full time course and seven years for part-time course including course work from the date of his/her provisional registration.

- 5.3) Where the candidate, Ph. D. guide and the Research department are in the same institution, the duration for part time course may be reduced to four years for all faculty except those under 5.1. However, requisition from the candidate and guide (endorsed by the Principal of the institute) stating that they are working in the same institution has to be submitted to the university after completion of the second progress report.
- 5.4) Where the guide and research department are from one institution and the candidate is from another institution affiliated to RGUHS, the minimum course duration for Part time Ph.D. shall be for five years. The registration of candidates for Ph. D. will not be considered, if the candidate, guide and research department are in three different places.
- 5.5) Extension beyond the maximum duration of study may be considered by the Ph.D. Registration committee of the respective faculty on case to case basis. Only in exceptional cases, the maximum duration can be extended for one more year based on the representation submitted by the student and the guide. This provision can be applied only with the approval of the Hon' ble Vice Chancellor.
- 5.6) The candidates with more than 40% disability may be allowed a relaxation of two years for Ph.D. in the maximum duration.
- 5.7) Women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D. for up to 240 days. However, during the course of Ph.D. Period candidates have to make up for this lost period by working for equivalent additional period.

**Note:**In case of relocation of a Ph.D. scholar due to marriage or otherwise, the **research data** shall be allowed to be transferred to the University to which the scholar intends to relocate, with prior consent of the Guide provided all the other conditions in these regulations are followed in letter and spirit and the research work does not pertain to the project secured by the parent institution/Guide from any funding agency. The scholar will however give due credit to the parent guide and the institution for the part of research already done. This relocation should be done with the approval of the Ph.D. Registration committee of the respective faculty and approval of Hon'ble Vice Chancellor.

5.8)The scholar and Guide contact period for Part time Ph. D. shall be 45 days for every 6 months. The candidate has to submit attendance certificate duly signed by the Guide and the Principal for this period through proper Channel along with every half yearly report.

5.9) Part Time facility provided for pursuing Ph. D. Programme can be availed ONLY by teaching faculty working in colleges affiliated to RGUHS and eligible candidates working in department of different Institutions/Industry/Hospitals recognized by RGUHS as Ph.D Research centres. However, a candidate intending to pursue Ph. D. as a full time research scholar should not be working in any of the institutions.

**Foreign nationals are eligible for only full time Ph. D. course.**

Such of the faculty from outside the state/University who wishes to apply for Ph D course can apply only for full time Ph. D. course.

**6.PROCEDURE FOR ADMISSION:**

- 6.1) All the candidate intending to register for Ph.D. programme shall appear for the entrance examination conducted by the University.
- 6.1a. An Entrance examination shall be qualifying test with qualifying marks as 50 Percentage. The University reserves the right to lower this limit in case the number of candidates who

have cleared Ph. D. entrance examination is very low. This shall be given effect to with the approval of the Hon'ble Vice- Chancellor. The exam consists of two papers, conducted over two sessions of three hours. The syllabus of the first theory paper consists of Basics of Research Methodology and will carry 50 marks.(10X5) The Second theory paper which will be subject specific, preferably with the competence of PG standard, will carry 50marks(10X5). There shall be eight questions with each questions carrying ten marks. The candidate shall answer any five questions out of eight questions in both the papers. The marks scored by the candidate for both the papers put together will be considered for deciding the pass criteria.

If multiple candidates score equal marks in entrance examination, ranking will be based on marks scored in Post Graduation examination. In case, the Post Graduation marks are also same, then Under Graduate marks will be considered. If the Under Graduate marks are also same, then candidate who is senior in age will be considered for higher ranking.

6.1b. An interview/viva-voce to be organized by the University for the candidates who successfully clear the entrance exam and are selected for the Ph.D. course to discuss their research interest/area through a presentation before a duly constituted University Ph.D. Registration committee of the respective faculty.

6.1c. The interview/viva voce will also consider following aspects, viz. whether:

- i. To evaluate the research aptitude of the applicants.
- ii. The candidate possesses the competence for the proposed research.
- iii. The research work can be suitably under taken at the Institution/College.
- iv. The proposed area of research can contribute to new/additional knowledge.

6.2 There will be only one stream of admission annually. The eligibility secured at the entrance exam is valid for admission as per calendar of events and such marks are valid for two terms (for that academic year and next academic year).

6.3. The Colleges under the university which are allowed to conduct Ph.D. programmes shall decide on an annual basis through their academic bodies, a predetermined and manageable number of Ph.D. scholars to be admitted, depending on the number of available Research Guides (not exceeding the permissible number of Scholars in each department) and other academic and physical facilities available. They shall follow the norms regarding the scholar guide ratio, laboratory, library and such other facilities as prescribed by the University.

6.4. The University will notify well in advance through the University website regarding the criteria for admission, procedure for admission, details of entrance examination center(s) and all other relevant information for the benefit of the candidates.

6.5. The University shall maintain the list of all the Ph.D. registered students on its website on year-wise basis. The list shall include the name of the registered candidate, topic of his/her research, name of his/ her Guide/co-Guide and date of enrolment/registration.

## **7. ELIGIBILITY CRITERIA FOR RESEARCH GUIDE/CO-GUIDE:**

- a) Only Teaching/Research faculty working fulltime in the Institutions/Colleges affiliated to RGUHS can act as a Guide. The external Guides are not allowed.

- b) The Co-Guide from other departments of the same institute or from other related institutions can be allowed in related inter-disciplinary research activities with the approval of the Ph.D. Registration committee of the respective faculty.
- c) The maximum age to guide Ph. D. student shall be as per Apex body guidelines. It has to be noted that the candidate must complete his/her thesis work before the stipulated retirement of Ph D guide as per Apex body regulations.
- d) In case of Government Institutions where superannuation is fixed at 60 years, the guide should not have completed 55/57 years of age at the time of registration of the candidate for part time/full time Ph.D. course under him/her provided the guide continues to work as a full time teacher in the Institutions /Colleges affiliated with the RGUHS.
- e) In case of Medical faculty (as per MCI norms), the Guide should not have completed 65(67)/67(68) years of age at the time of registration of the candidate for part time/full time Ph.D course respectively under him/her provided the guide continues to work as a full time teacher in the Institutions/Colleges affiliated with the RGUHS.
- f) Similarly, in all other faculties (Nursing, Pharmacy, Dental, AYUSH,AHS and Physiotherapy) as per the Apex Body norms, the guide should not have completed 60/62 years of age for guiding part time/full time Ph. D. students respectively.
- g) In case the student is not in a position to complete the work prior to the guide's retirement, it is the duty of the guide to hand over the candidate to another recognized guide from the department after obtaining prior permission from the University OR get an extension letter from the Dean/Principal of the current Institution stating that the Guide continues to be full time teacher even after retirement until the student submits the thesis to the University. In case the student is not in a position to complete the work due to the demise of the guide, it is the duty of the Institute to hand over the candidate to another recognized guide from the department after obtaining prior permission from the University OR in case if there is no other recognized guide in the department, the candidate along with the data may be shifted to other Ph.D. recognized institutes in the same subject with the prior approval of the university.
- h) A recognized guide may register as a student for part time/full time Ph.D. programme provided he/she shall arrange for Transfer of their Research students to another guide subject to approval by Ph.D. committee
- i) Ph.D. Guide ship will not be issued to a Ph.D. Scholar while pursuing Ph.D. study irrespective of his eligibility
- j) A Recognized Guide desirous of pursuing Ph.D. shall not be permitted to continue as Member of Ph.D. committee of RGUHS and similarly no Ph.D. Research scholar shall be appointed as RGUHS Ph.D. committee member.
- k) With the consent of current Registered Guide and the university, any request for Change of Guide may be permitted.

### **7.1 Eligibility criteria for Recognizing Ph. D. guides in all the Health Sciences faculties:**

#### **a.For Teachers working in teaching institutions affiliated to RGUHS who have PG degree but without Ph.D. Qualification (Not applicable to pharmacy faculty):**

##### **1.Qualification required:**

- a) Post Graduate degree in the concerned specialty.

- b) In the faculty of Physiotherapy, in addition to MPT, qualification of MD or MS in relevant subjects of Medical faculty such as Orthopedics, respiratory medicine, Paediatrics, community medicine, DM(Neurology) and MCH (Cardiothoracic vascular surgery) are also eligible.
- 2.Total teaching experience of 15 years.
- 3.Total PG teaching Experience of 10 years in the concerned subject.
- 4.Should have guided 5 Post graduate students whose dissertations must have been submitted.
- 5.Published 5 original publications as 1<sup>st</sup> or corresponding author in indexed Journals. One of such Publication must be in RGUHS Journals.

**b.For teachers working in teaching institutions affiliated to RGUHS who have PG degree along with Ph.D. Qualification:**

- 1. Qualification required:
  - a) Post Graduate degree with Ph. D. in the concerned specialty
  - b) In the faculty of Physiotherapy, in addition to MPT with Ph.D., qualification of MD/MS/DM/MCh along with Ph.D. in relevant subjects of Medical such as orthopaedics, respiratory medicine, paediatrics, community medicine, DM (neurology) and MCH (Cardiothoracic vascular surgery)are also eligible. Further, MPT with Ph.D. in Physiotherapy working in teaching hospital or attached teaching hospital to a college affiliated and recognized by RGUHS are also eligible to become Ph D guides provided they fulfill all the remaining criteria.
- 2. Total teaching experience of 10 years in the subject speciality inclusive of Ph.D. course period.
- 3. Should have guided 5 Post graduate students whose dissertations must have been submitted.
- 4. Published 5 original publications as 1<sup>st</sup> or corresponding author in indexed Journals. One of such Publication must be in RGUHS Journals.

**For Pharmacy faculty only:**

- 1. The faculty with Pharm-D qualification shall also possess Ph.D. degree to be recognised as Ph.D. guide. The Recognised Ph.D. guide with Pharm-D qualification is eligible to guide only Ph.D. in Pharmacy practice.
- 2. Faculty with Ph.D. in Pharmaceutics, Pharmaceutical Technology and Industrial Pharmacy are eligible to Guide Ph.D. in any one of the 3 subjects.
- 3. Faculty with Ph.D. in Quality Assurance and Pharmaceutical Analysis are eligible to Guide Ph.D in any one of the 2 subjects.
- 4. However the recognized Ph.D. Guides in these departments may avail the change in the subjects only once in their service.

**For Physiotherapy Faculty only:**

The teachers who have acquired Ph.D. qualifications from other Universities/institutions. where Physiotherapy course is not available, such teachers are not eligible to be recognized as Ph.D guides in Physiotherapy by RGUHS.

**c). For those working in Research institutions recognised by RGUHS.**

- 1. Qualification required:

- a). Post Graduate degree in the concerned specialty with or without Ph D qualification.
  - b).In the faculty of Physiotherapy, in addition to MPT with Ph D,qualification of MD/MS/DM/MCh along with Ph D in relevant subjects of Medical faculty such as Orthopaedics, Respiratory medicine, Paediatrics, Community medicine, DM neurology and MCH (Cardiothoracic vascular surgery) are also eligible qualification.
2. Total research experience of 15 years.
  3. Conducted and completed five Research Projects.
  4. Minimum of one National or International Grants as Principal Investigator or Co-Principal Investigator.
  5. Published 5 original publications as 1<sup>st</sup> or corresponding author in indexed Journal.

**d).Health Sciences Library and Information System (HSLIS):**

1. Qualifications : Ph.D.in Library Sciences
- 2.PG Teaching Experience 10 years.
- 3.Guided and submitted Five Post Graduate students dissertations.
- 4.Five Publications as 1<sup>st</sup> or Corresponding Author:(Pub Med Publications, Other publications in indexed journals)

**e) Requirement for Recognizing Ph. D. guides in Allied Health Sciences :**

**a.For teachers working in teaching institutions affiliated to RGUHS who have PG degree but without Ph.D. Qualification:**

1. Qualification required- Post Graduate degree in the concerned specialty.
2. Total PG teaching Experience of 10 years in the concerned subject.
3. Should have guided 5 Post graduate students whose dissertations must have been submitted.
4. Published 5 original publications as 1<sup>st</sup> or corresponding author in indexed Journals. One of such Publication must be in RGUHS Journals.

**b. For teachers working in teaching institutions affiliated to RGUHS who have PG degree along with Ph. D. Qualification:**

1. Qualification required- An Assistant Professor of the Institute with a Ph.D. degree and at least two research publications in Peer reviewed Journals with three years of full time teaching experience may be recognized as Research Supervisor.
2. Should have guided 5 Post graduate students whose dissertations must have been submitted.
3. Published 5 original publications as 1<sup>st</sup> or corresponding author in indexed Journals. One of such Publication must be in RGUHS Journals

**C. For teachers with a qualification of MD/ MS/ DM / M.Ch in the respective specialization working in Allied Health Sciences colleges affiliated to RGUHS :**

1. Qualification required: Post Graduate degree in the concerned specialty.
2. Total PG teaching Experience of 5 years in the concerned subject.



3.Should have guided 5 Postgraduate students whose dissertations must have been submitted.

4.Published 5 original publications as 1<sup>st</sup> or corresponding author in indexed Journals. One of such Publication must be in RGUHS Journals

#### **8.PERMISIBLE NUMBER OF Ph. D. SCHOLARS PER GUIDE AND PER DEPARTMENT:**

- a) The maximum number of Full time or part time candidates a guide can supervise shall not exceed Six (6) at any given time.
- b) Whenever the number of candidates registered under a Guide has reached the maximum, a Guide becomes eligible to supervise another Ph.D. candidate only after the submission of the thesis by any one of the Ph.D. candidates already registered under him/her. Any ambiguity in this regard will be addressed by the Ph. D Registration committee of that faculty.
- c) Recognized Ph.D. department at any given point of time can have only Ten (10) Ph.D. scholars in all faculties.
- d) A candidate may have one Co-Guide from another department, duly recognized by the Ph.D. Registration Committee of the University in addition to the Guide from the concerned specialty.
- e) All Guides shall normally be residents within the jurisdiction of Research centre and should be recognized by the University as Ph.D. Guides based on their commendation of the Ph.D. Registration Committee of the respective faculty.
- f) Guide recognized by the University is not eligible to Guide any other Ph.D. students from any other University.
- g) Inter disciplinary Ph.D. guide may be allowed in Allied Health sciences faculty provided the Guide is from the department relevant to the topic chosen by the student and CoGuide is from the other respective discipline to which the specialty of the Ph.D. student belongs to.

#### **9. Ph.D. REGISTRATION COMMITTEE :**

|   |                         |                     |
|---|-------------------------|---------------------|
| 1 | BOS Chairman PG Studies | Member              |
| 2 | Past Dean               | Special Invitee     |
| 3 | Two Senior Faculty      | Members             |
| 4 | Two Subject Experts     | Special Invitee     |
| 5 | Director R&D            | Member<br>Secretary |

#### **10. SUBMISSION OF HALF YEARLY PROGRESS REPORTS AND EVALUATION OF COURSE WORK:**

a)After provisional registration, every candidate shall submit the half yearly progress reports regularly as desired by the university in the prescribed format through the Guide to the Registrar of the University with a copy to the Head of the Department concerned and Head of the Institution. The half yearly progress report will be assessed by the subject experts and comments/observations will be communicated to the concerned candidate and Guide. Every such half yearly report shall be submitted once in six months from the

commencement of term. The accepted reports shall be ratified by the Ph.D. registration Committee.

b) All Ph.D. candidates while submitting their current progress report should submit the summary of previous half yearly progress reports with the suggestions made by the previous reviewers along with university letters sent to the candidates for approval of the current report. All Ph. D. candidates should submit their half yearly progress reports in the prescribed format issued by the University.

In case the progress of the research scholar is unsatisfactory, the Ph. D. Registration committee of the respective faculty shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Ph. D. Registration committee of the respective faculty may recommend to the Institution/College with specific reasons for cancellation of the registration of the research scholar.

All the Ph. D. students should maintain a Logbook, duly signed by the Guide & Head of the department/Institution and should be made available at time of inspection and examination.

c) The Research project submitted by the candidates should have been cleared by the appropriately constituted Institutional Ethics Committee at college level (respectively for experiments on human subjects and / or animals) before the submission of the 1<sup>st</sup> progress report by the candidates.

d) If two consecutive half yearly progress reports are not satisfactory, the Ph.D. Registration committee of the respective faculty may recommend to the University for Cancellation of the registration of the respective candidate.

#### **11. PRE Ph. D. EXAMINATION:**

a) Pre Ph D examination shall ordinarily be completed at the end of one year after submission and satisfactory clearance of two half yearly reports. If for some reason, the two half yearly reports of many candidates are not submitted within due date, Ph. D registration committee has the right to conduct Pre Ph D examination within the next six months. If the candidate fails to take up his/her pre Ph D examination within two years from the time of his/her registration of his/her Ph D, he/she shall be discharged from the course.

b) Ph D students shall undergo online Research Methodology workshop conducted by Government of India and produce a certificate for having successfully completed the online course before taking up Pre Ph D examination.

#### **11.1) The scheme for Pre Ph.D. examination to be conducted by the University shall be as follows:**

Two written papers each of three hours duration and each carrying maximum of 100 marks.

**PAPER I:** Research Methodology related to the area of research.

**PAPER II:** Topics related to the specialized subject under which the topic / area of research is undertaken. (A Viva-Voce examination carrying a maximum of 100 marks for candidates who have passed the theory examination).

**11.2)** The syllabi for both papers for each candidate shall be prescribed by the concerned Guide which will be communicated to the Registrar (Evaluation) of the University as well as the candidate at least one month earlier to the examination..

#### **11.3) Conduct of Pre Ph.D. Examination**

i. The Ph.D. Registration Committee along with the names suggested by the concerned Guides shall prepare an exhaustive panel of both external and internal examiners and recommend the same to the Vice Chancellor and Registrar (E) for approval. The

University / Registrar (E) will then constitute a Board of Examiners for conduct of the Pre Ph.D. Examination.

- ii. The Board of Examiners for the Pre Ph.D. Examination (theory) consists of the following:
  - a) Internal Examiner (other than the guide) to be chosen by the University.
  - b) One external examiner chosen by the University.

Note: The examiner shall fulfil the criteria for eligibility similar to Ph.D. Guides as per RGUHS Ordinance.
- iii. The Internal Examiner and External Examiners chosen by the Registrar (E) from the panel of examiners will set two papers each and send their respective question papers separately in a sealed cover to the Registrar (Evaluation) who will conduct the theory examination and send the answer scripts to the examiners for valuation.
- iv. There shall be double valuation of the answer scripts of Paper-I and Paper II by the same examiners who have set the question papers. The marks lists shall be sent by the examiners directly to the Registrar (Evaluation).
- v. If the difference of the marks in the evaluation between the external and the internal examiner exceeds 15%, the concerned answer scripts will be evaluated by a third Examiner.
- vi. The candidate should secure a minimum of 60% marks in each of the written papers to pass the Examination.
- vii. The viva voce examination shall be conducted after the candidates has passed in the theory papers by a panel consisting of:
  - a) Internal Examiner - Guide (chairman)
  - b) External Examiner (any one of the examiners who have set the theory papers and valued the answer scripts).
- viii. After the Viva-Voce examination, the marks shall be consolidated and sent to the Registrar (Evaluation) by the Chairman for further consolidation and announcement of results.
- ix. The results will be announced according to the following grading system:

| Grade | Result (Inclusive of theory and Viva Marks)  |
|-------|--|
| A     | A student securing marks 75% and above shall be declared to have passed in the said examination with distinction |
| B     | A student securing marks 60% and above and below 75% shall be declared to have passed in the said examination    |
| C     | A student securing marks less than 60% shall be declared to have failed in the said examination                  |

However, the candidate should secure a minimum of 60% marks in each of the written papers as well as in the Viva-Voce examination.

In case the candidate is not successful in the Pre PhD Examination in the first attempt, he/she may be given one more chance to appear for the entire examination after a period of six months.

If the candidate is not successful in the Pre Ph.D examination, even in the second attempt, his/her provisional registration shall stand cancelled. Provisional registration of the candidates will be confirmed only after they pass the Pre Ph.D examination. Pre Ph D examination shall be conducted by Examination section of RGUHS.

## **12.EVALUATION AND ASSESSMENT:**

### **12.1. Submission of final synopsis**

All the Ph.D candidates should submit a final synopsis containing the summary of the research work done (one Soft and one hard copy) to RGUHS before submission of thesis. All Ph.D candidates before submitting their final synopsis shall present his/her research work before the Guide, External Examiner and Observer from concerned specialty on a suitable date fixed by the University and should get approval for writing the final synopsis and thesis.

### **12.2. Publication of research papers**

All Ph. D. Candidates before submitting Ph.D. Thesis to the university should have published a minimum of four research papers related to their research topic during their course of Ph. D as 1<sup>st</sup> author or corresponding author in the indexed journals. One of the publications must be in RGUHS journals. These publications shall be verified by the department of Library, RGUHS.

### **12.3. Plagiarism**

The Academic Council (or its equivalent body) of the Institution shall evolve a mechanism using well developed software and gadgets to detect plagiarism and other forms of academic dishonesty. While submitting for evaluation, the thesis shall have an undertaking from the research scholar and a certificate from the Research Guide attesting to the originality of the work, vouching that there is no plagiarism (the permissible similarity should not exceed 15% of total contents) and that the work has not been submitted for the award of any other degree/diploma of the same Institution where the work was carried out, or to any other Institution. It is mandatory for plagiarism check for Ph.D. thesis submitted before sending it for evaluation. The report of plagiarism check shall be enclosed

### **12.4. Submission and Evaluation of Thesis**

Each candidate for the award of Ph.D. Degree shall submit copies (one Soft & one Hard Copy) of his/her Thesis not earlier than the prescribed minimum period and not later than the prescribed maximum period.

The Ph.D. thesis submitted by a research scholar shall be evaluated by at least two external examiners (who are not teachers of the Institutions affiliated to RGUHS) of whom one examiner may be from outside the country.

The viva-voce examination, based among other things, on the critiques given in the evaluation report, shall be conducted by the Research Guide and at least one of the two external examiners, and shall be open to be attended by Members of the Ph.D. Committee, all faculty members of the Department, other research scholars and other interested experts/researchers.

Based on the reports of the examiners, the University shall Award the Ph.D. Degree after the recommendations are approved.

**13.RECOGNITION OF INSTITUTION/COLLEGE AS CENTRES FOR Ph. D STUDIES:**The Academic, administrative and infrastructure requirement to be fulfilled by Colleges for getting recognition for offering Ph. D. programmes are as follows:

A candidate shall be permitted to pursue research activities for the degree of Doctor of Philosophy (Ph. D) in any one of the following institutions:

a) Departments run by RGUHS

b) Post Graduate Departments of Colleges/Institutions affiliated to RGUHS :-

1. Recognized as having necessary infrastructure and facilities such as exclusive research laboratories with essential equipment, provision for adequate space per research scholar along with computer facilities and essential software and uninterrupted power and water supply for carrying out research in the subject of study concerned.
2. Provided that the department has at least one qualified Guide in the particular subject.
3. Offering the Postgraduate course for a minimum period of five years in concerned subject.
4. The Post Graduate Department of the said colleges should have been approved by University as a recognized Ph.D. centre.
5. Colleges may also access the required facilities of the neighbouring Institutions/Colleges, or of those Institutions/Colleges/R&D laboratories / Organizations which have the required facilities through an MoU.

c) Any other non-teaching research institution duly recognized by this University for conducting research leading to the award of Ph. D degree on the recommendations of an expert committee appointed by the Syndicate.

**Note:**

Any non-teaching institutions seeking recognition for Ph. D. programmes:

- 1) Should be a centre of academic excellence and repute or Institute of National Importance.
- 2) Should have been actively functioning and should have been in existence for at least 5 years and should be recognized as a research centre by RGUHS.
- 3) Should be a centre of research activity as evidenced by ongoing research projects funded/ sponsored by reputed agencies like ICMR, AICTE, DST, UGC, CCRAS, CSIR etc. A minimum of two research grants should have been availed in last the 5 years for the concerned department.
- 4) Should have published Five research papers in the peer reviewed scientific journals or indexed journals in the last 5 years in the subject specialty for which the PhD is sought.
- 5) Should have specifically equipped research labs with the requisite infrastructure and facilities for the proposed Ph. D programme.
- 6) The Department which proposes to start the Ph. D programme in the institution should have at least three staff members with required PG qualification in the concerned specialty and a total of 10 years Post Graduate teaching or research experience.

**13.1) RECOGNITION OF INSTITUTION/COLLEGE AS CENTRES FOR Ph. D STUDIES IN NURSING FACULTY.:**

- Having own single unitary parent hospital with minimum of 300 beds accredited by NABH/JCI/GOVT with 70% occupancy in the concerned specialty in the past three years . The affiliated hospital beds will not be considered.
- Having own college building as per norms of the apex body and university.

- Exclusive research laboratories with state of the art equipment, provision for adequate space per research scholar along with essential facilities and software, with uninterrupted power and water supply for carrying out research in the subject of study concerned.
- Every College of Nursing having M.Sc. (Nursing) approved by the University to start Ph.D. in nursing shall have minimum of two Ph.D. degree holders who are regular faculty in nursing out of which one of them should be an RGUHS approved Ph.D. Guide .
- Offering the Postgraduate course for a minimum period of five years in concerned subject.
- Colleges may also access the required facilities of the neighboring Institutions/Colleges, or of those Institutions/Colleges/R&D laboratories / Organizations which have the required facilities through an MoU, provided such institute should not have Ph.D. in the same subject in same faculty.

### **13.2) RECOGNITION OF INSTITUTION/COLLEGE AS CENTRES FOR Ph. D. STUDIES IN DENTAL FACULTY.:**

- In addition to the apex body requirement for PG courses one extra dental chair and unit per Ph.D. scholar is required.

### **13.3) RECOGNITION OF INSTITUTION/COLLEGE AS CENTRES FOR Ph. D. STUDIES IN AYUSH FACULTY.:**

- As per the Apex body norms ,minimum standard of education and minimum standard of regulation, an institution must have own land/society registration according to the Urban and Sub urban areas.
- For the Clinical Speciality PG Departments , bed strength should be maintained as per the MSR(Minimum standard of regulation) as mentioned in Apex body guidelines.
- A quality control unit should be maintained (QC lab)
- Research and Development department should be well established.
- Departmental Research Committee (DRC), Institutional Research Committee (IRC) and Institutional Ethical committee (IEC) must be functional.
- Institution/ Department must have association with experimental lab/animal house (should have MoU )
- Department of Kriya Shareera and RogaNidana must have developed teaching and clinical laboratory facilities.
- Department of Samhita Siddhanta must have developed transcription library, Digital Library for literary research.
- Department of Dravya Guna, AgadaTantra and Rasa shastra must have collaboration with Pharmacology, Phamacognosy and Pharmaceutics units.

### **13.4) RECOGNITION OF INSTITUTION/COLLEGE AS CENTRES FOR Ph. D. STUDIES IN ALLIED HEALTH SCIENCES.:**

- ✦ For an institute to be recognized as a centre for Ph.D. for Allied health sciences faculty, must be managed and controlled by the Trust, the owner of the Hospital/Lab is a member of the Trust.
- ✦ Hospital/Clinical Diagnostic facility must be NABL/NABH accredited or Government hospital /Lab.
- ✦ All these institutes must satisfy the Minimum standard requirements laid down by RGUHS/Apex body of the concerned specialization.

## **Fee Structure:**

The fee structure could be similar as per the existing fee structure for the Ph. D. programme in the teaching institutions. (Vide University notification No.ACA/ORD-23/97-98 (Part II) dated 07.07.2005. Institutions/Colleges desirous of seeking recognition of their Departments by the University as Ph.D. study centres may contact the R&D section of the University for obtaining the application form, and the prescribed fee shall be paid along with the application .

All Ph.D. study centres both teaching and non-teaching institutions shall seek renewal of recognition every three years on payment of prescribed fees.

## **14.DEPOSITORY WITH LIBRARY**

14.1Following the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree(s), the Institution concerned shall submit an electronic copy of Ph.D. thesis to the RGUHS Library for hosting the same in RGUHS website so as to make it accessible to all Institutions / Colleges.

14.2Prior to actual award of the degree, the degree awarding Institution shall issue a provision Certificate to the effect that the Degree has been awarded in accordance with the provisions of these UGC Regulations, 2016.