



## **Rajiv Gandhi University of Health Sciences, Karnataka**

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## **Ph.D Entrance Exam – 2023-24**

*Brochure with Application Form for Ph. D Entrance Exam - 2023 for admission to Ph. D courses in **Medical, Dental, Pharmacy, Nursing, AYUSH, Allied Health Sciences and Physiotherapy** faculties for the academic year **2023-2024**.*

**Date of Ph. D Entrance Exam – 04/05/2023**

**Examination Fee: Rs. 3000/-**

**IMPORTANT:**

*Please note that the candidate will not become eligible for attending the entrance Exam only by Online Registration. The candidate must ensure that print out of his/her application with all enclosures mentioned in the brochure reaches the RGUHS on or before 21/04/2023, 5.00 PM by post or in person.*

**RGUHS is not responsible for any postal delay.**

*For Applying Online use the below link (Find link under Latest Events)*

<http://www.rguhs.ac.in>

## RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES, KARNATAKA

Brochure containing the details of Ph. D Entrance Exam-2023 for admission to **Ph. D in Medical, Dental, Pharmacy, AYUSH, Nursing, Allied Health Sciences and Physiotherapy faculties.**

### **Ph. D Entrance Exam – 2023-24** **TENTATIVE CALENDAR OF EVENTS**

Sl No	Events	Dates
1.	Date of Notification	10/03/2023
2.	Hosting of the Brochure and Application form on the website	14/03/2023
3.	Last date for online Payment	12/04/2023 Before 05.00 P.M
4.	Last date for receipt of print-out of applications filled online by <u>Post</u> or <u>In person</u> before 5-00 P.M at RGUHS.	21/04/2023
5.	Date of availability of Hall-Ticket for the Eligible candidates	29/04/2023
6.	Date of Entrance Exam	04/05/2023
7.	Provisional result	Second week of June - 2023
8.	Submission of preliminary Synopsis by qualified candidates	Second week of July - 2023
9.	Presentation of Synopsis before the Committee	Third week of August- 2023
10.	Commencement of Session	September - 2023

#### **1. Introduction:-**

Ph. D Entrance Exam -2023 is being conducted for the purpose of determining the eligibility for admission of students to **Medical / Dental / Pharmacy /AYUSH Nursing /Allied Health Sciences and Physiotherapy faculties** for the academic year 2023-2024.

**2. Eligibility:-** A candidate who fulfills the following criteria shall be eligible to appear for the Entrance Exam, namely :-

- (i) He/ She is a citizen of India;
- (ii) He/ She has studied and passed in the courses leading to the award of PG degree/ diploma in respective branches recognized by respective councils/Government of India and affiliated to any University established by Law.
- (iii) A Post graduate qualification in the concerned Specialization and faculty is a must.
- (iv) The candidate who completed his/her post graduate degrees in respective branch are eligible for that branch/subject only.

**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 enrollment for Ph. D course in concerned subject only.

**Dental:** Candidates with MDS or Dental PG Diploma are Eligible for enrollment of Ph. D Course in Dentistry in concerned subjects only.

**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 enrollment to Ph. D course in Physiotherapy.

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

**Indian System of Medicine (AYUSH)**

**a) Ayurveda**

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

**b) 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 enrollment for Ph. D course in Naturopathy & Yogic Sciences in the concerned subject.

**C) 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 enrollment for Ph. D course in concerned subjects of Unani.

**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.

## Allied Health Sciences:

- (i) **Radiation Physics:** The Following are eligible for enrolment for Ph. D in Radiation Physics.
- Candidates with M.Sc in Radiation Physics awarded by RGUHS **(OR)**
  - M.Sc in Medical Physics (2 years course with one year internship) awarded by other University considered as equivalent by RGUHS. **(OR)**
  - M.Sc Physics + One year Diploma in Radiological Physics.
- (ii) **Clinical Psychology :** The Following are eligible for enrolment for Ph. D in Clinical Psychology
- Candidates with M.Sc in clinical Psychology awarded by RGUHS **(OR)**
  - M.Sc in Clinical Psychology awarded by other University considered as equivalent by RGUHS. **(OR)**
  - M.Phil in Clinical Psychology with M.Sc in Clinical Psychology
- (iii) Neuro Sciences Technology:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (Neuro Science Technology)
- Candidates with M.Sc in Neuro Science Technology awarded by RGUHS **(OR)**
  - M.Sc in Neuro Science Technology awarded by other University considered as equivalent by RGUHS **(OR)**
  - M.Phil in Neuro Science Technology with M.Sc in Neuro Science Technology
- (iv) Clinical Research:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (Clinical Research)
- Candidates with M.Sc in Clinical Research awarded by RGUHS **(OR)**
  - M.Sc in Clinical Research awarded by other University considered as equivalent by RGUHS **(OR)**
  - M.Phil in Clinical Research with M.Sc in Clinical Research
- (V) Medical Imaging Technology:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (Medical Imaging Technology)
- Candidates with M.Sc in Medical Imaging Technology awarded by RGUH **(OR)**
  - M.Sc in Medical Imaging Technology awarded by other University considered as equivalent by RGUHS **(OR)**
  - M.Phil in Medical Imaging Technology with M.Sc in Medical Imaging Technology
- (VI) Public Health:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (Public Health)
- Candidates with Masters in Public Health awarded by RGUHS**(OR)**
  - Masters in Public Health awarded by other University considered as equivalent by RGUHS **(OR)**
  - M. Phil in Public Health with Masters in Public Health
- (Vii) Renal Dialysis Technology:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (Renal Dialysis Technology)
- Candidates with M. Sc in Renal Dialysis Technology awarded by RGUHS **(OR)**
  - M. Sc in Renal Dialysis Technology awarded by other University considered as equivalent by RGUHS **(OR)**
  - M. Phil in Renal Dialysis Technology with M.Sc in Renal Dialysis Technology

**(Viii) Medical Laboratory Technology:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (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

**(iX) Perfusion Technology:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (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:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (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:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (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:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (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:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (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:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (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 Theater Technology:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (Operation Theater Technology)

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

**(XVI) Respiratory Care Technology:** The following are eligible for enrolment for Ph.D in Allied Health Sciences (Respiratory Care Technology)

- a) Candidates with M Sc in 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.

**NOTE: Selected candidates in the entrance examination shall be considered for Provisional Registration subject to availability of RGUHS Recognized Ph D guide and RGUHS Recognized Ph D institution only.**

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

The period of training for Ph.D as per NMC, shall be two years for candidates who possess M.D/M.S/P.G. Diploma, DM/MCh M.Sc and three years for candidates possessing M.Sc. in medical subjects under Medical Faculty (3years course from a Medical College)

The Ph. D. program in all other subjects except those under Medical shall be for a minimum duration of three years for full time course and five years for part time course. Maximum duration shall be **7** years including course work from the date of his/her provisional registration for all other faculty

Extension beyond the above limits 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.

Where the Candidate, Ph. D guide and the research department are in the same institution, the Course Duration for Full time course is three years and for part time course it is four years for all faculty except Medical.

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.

Where the candidate, Ph. D guide and the research department are in the same institution, the Course duration for full time course is three years and for part time course it is four years for all faculty.

Part Time facility provided for pursuing Ph. D Program 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 centers.

Foreign nationals are eligible for only full time Ph D course provided that their Undergraduate and Postgraduate should be completed under RGUHS affiliated institution/any other Recognized University in India. 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.

#### **4. PROCEDURE FOR ADMISSION:**

All the candidates intending to register for Ph.D. programme shall appear for the Entrance Exam conducted by the University.

An Entrance Test shall be qualifying test with qualifying marks as 50<sup>th</sup> Percentile. Percentile method be adopted for declaration of the result. The test 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 50 marks.(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 be considered for deciding the pass criteria.

Percentile method is adopted for declaration of the result. Faculty wise 50<sup>th</sup> percentile shall be cut off point to declare for having passed Ph D entrance examination.

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.

The Entrance Exam shall be conducted at the Centre(s) notified by the University.

The Provisional list of affiliated institutions importing Ph. D course along with course in which Ph. D is offered and the list of Ph. D Recognized guides available in the Institutions is put on the website for candidates reference.

The candidates who successfully clear the Entrance Exam are invited to discuss their research interest/area through a presentation before a duly constituted University Ph.D. Registration committee of the respective faculty.

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 undertaken at the Institution/College.
- (iv) The proposed area of research can contribute to new/additional knowledge.

**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)

The colleges under the University which are allowed to conduct Ph.D. programs 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 (Maximum 10 per Department) depending on the number of available Research Guides (Maximum 6 per Guide) and other academic and physical facilities available. They shall follow the norms regarding the scholar- teacher ratio, laboratory, library and such other facilities as prescribed by the University.

#### **5. Applications are liable for rejection:**

- A. If Incomplete.
- B. If Photograph not uploaded.
- C. If photographs are found mismatched in the application.
- D. If photographs are not recent one and not attested by a Gazetted Officer.
- E. If the applicant has not signed in the application.
- F. If supporting documents (Enclosures) not attested.
- G. If eligibility is not fulfilled

## 6. How to submit:

### **By Post or In-person:**

Print out of application filled online, along with attested copies of all required certificates shall be sent by post or In-person for registration to **“The Registrar, RGUHS, 4th ‘T’ Block, Jayanagar, Bangalore – 560 041” by 21/04/2023, before 5.00 P.M. Candidates should super scribe on the cover as “Application for Ph.D Entrance Exam-2023”. Please note that the candidate will not become eligible for attending the Entrance Exam, only by online registration.** The candidate must ensure that print out of his/her application with all enclosures mentioned in the brochure reaches the RGUHS. The University does not hold responsibility for loss or delay in postal delivery.

### **Enclosures: ( Attested copies)**

- a) SSLC Marks card.
- b) UG and PG Degree Certificates with Marks cards.
- c) Registration Certificate from the State Council in applicable cases.
- d) NOC from the Head of the Institution where the candidate is employed.
- e) Fee paid details: Transaction-Id with date.
- f) Any other relevant documents.

## 7. Entrance Exam Fee: - Rs.3000/-

**Mode of Payment: -Through ONLINE PAYMENT.**

**Note: Registration fee is not refundable under any circumstances.**

## 8. Conduct of Entrance Exam:-

Date	Time	Place
04/05/2023	10-00 A.M. to 01-00 P.M.	Bangalore only

### **SYLLABUS:-**

The entrance exam is conducted in two parts namely

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

### **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.



The specialty 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.

**9. Duration, Nature 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.

**10. Penalty for false and incorrect statements:-**

Where an applicant has furnished any false and incorrect statement in the application or where the affidavit filed by him or the certificate furnished by him contains any false or incorrect statement, the application shall be liable for rejection and his selection for admission to the Ph. D course shall be cancelled after providing a reasonable opportunity to explain by the Ph. D Registration Committee.

**11. Malpractice:** Any candidate indulging in mal-practice in any sort shall be viewed seriously and punished and also is liable for criminal proceedings.

**12. Instructions to Candidates:**

- The candidates shall be present at the centre 30 minutes before the commencement of the Exam by 9.30 A.M
- No candidate is allowed after 10:00 AM.
- Only the candidates who possess the Hall Ticket shall be allowed to appear for the Entrance Exam. In case of loss of Hall Ticket, the candidates should contact the Chief Superintendent of the centre one hour earlier for assistance.
- No Candidate shall copy from the paper of any other candidate or permit his /her own papers to be copied or attempt to give or seek any illegal assistance.
- No candidate will be allowed to the examination hall after the commencement of the Entrance Exam.
- No candidate will be allowed to leave the examination hall before the end of the first thirty minutes. Candidates leaving the hall prior to the end of the Entrance Exam will have to hand over the question paper to room invigilator and collect the same at the end of the Exam.
- Candidate should sign the attendance sheet as per the instructions of the invigilator.
- Silence must be observed in the examination hall. Any candidate found guilty of disorderly or improper conduct will be liable for expulsion from the examination hall and will be debarred from the Entrance Exam by the Chief Superintendent of the centre.
- Candidates are not permitted to carry any electronic gadgets like Pager, Cell Phone, Bluetooth etc., into the examination hall.

**Sd/-**  
**REGISTRAR**

