



PROSPECTUS for Ph. D. Programme RIMS, Ranchi



राजेंद्र आयुर्विज्ञान संस्थान, रांची

Rajendra Institute of Medical Sciences

An Autonomous Institute under the Govt. of Jharkhand

Ranchi, Jharkhand

1. INTRODUCTION :

The Rajendra Institute of Medical Sciences (RIMS) is a premier Medical Institute located at Ranchi, the capital of Jharkhand. The college is an autonomous body established under an act of Jharkhand Assembly. The institute was



established in 1960 and was originally called Rajendra Medical College Hospital after Dr. Rajendra Prasad, the first President of India. The Medical College Hospital came into existence in February 1965 and has excelled ever since its inception. The motto of the institute is "Sarve Santu Niramayah". RIMS Ranchi has a very large and spacious campus. It has a 1500 bedded facility with multi-speciality hospital with state of art equipment. The institute is a tertiary care centre that has excellent infrastructure for patient care as well as opportunity to acquire knowledge and skills from experienced faculties. The environment around the hospital is soothing and patients are treated using state of the art techniques. The college also has a 100 bedded Trauma Centre, the first of its kind in Eastern India with most modern equipment. Under PMSSY scheme, a 240 bedded Super Specialty block deals with the patients in the field of Oncology, Cardiology, Urology, Paediatric Surgery and Cardio-thoracic Vascular Surgery was established. The Dental Institute, RIMS, Ranchi was founded in the year 2017 and is the first autonomous Dental College of state government in Jharkhand. RIMS conducts teaching program in medical, dental and para-medical courses. Besides undergraduate courses, post graduate courses and super-speciality courses are offered in various disciplines. RIMS is affiliated to Ranchi University. RIMS also runs a school and college of nursing.

2. DOCTORAL PROGRAM AT RIMS, RANCHI :

The Regulations governing the award of Degree of Doctor of Philosophy (Ph.D.), Doctor of Science (D.Sc) and Doctor of Literature(D.Lit) communicated by the Director Higher Education, HRD Department, Govt. of Jharkhand vide letter number– 5/1-55/2008-310, dated 20.03.2009 and notified by Memo Number B/230/09, dated 24.03.2009 by the Registrar, Ranchi University (RU) has been adopted by Rajendra Institute of Medical Sciences (RIMS), Ranchi, Jharkhand for its PhD program.

3. SUMMARY OF EXAM PATTERN:

01	Mode of Examination	Offline Objective type
02	Duration of Examination	120 minutes
03	Date of Examination	31.01.2023 (Tentatively)
04	Number of Shift	01
05	Timing of Examination	10:00 AM to 12:00 PM (Reporting time 09.00 AM)
06	Examination Centre	RIMS, Ranchi

07	Type of Examination	<p>PART A: Objective Type (MCQ) - 50 marks Compulsory section having 50 questions related to general aptitude and basic concept of Research Methodology.</p> <p>PART B: Objective type (MCQ) -50 marks There shall be a choice of selecting one out of 5 options – Medical Sciences, Dentistry, Para-medical Sciences, Nursing and Life Sciences. Each of these sections will have 50 questions based on subjects taught at postgraduate courses. The syllabus prescribed by National Medical Commission (NMC), Dental Council of India (DCI), Pharmacy Council of India (PCI), University Grants Commission (UGC), Indian Nursing Council (INC) shall be referred for this exam.</p>
08	Marks	Part A & B (50+50 =100)
09	Marking Scheme (MCQs)	Correct Answer : One mark (+)1 Incorrect Answer : 0 Unanswered/Marked for Review : 0 Not Answered : 0
10	Method of Cut-Off	The cut off marks shall be 45% for SC/ST candidates & 50% for all other categories to be eligible for Stage II.

- Kindly visit RIMS website www.rimsranchi.ac.in for latest updates.

4. SUBMISSION OF APPLICATION:

The applications will be invited in a prescribed Performa. The application form (with self-attested copies of all documents and proof of fees submitted online) must be submitted by Speed Post latest **by 31st December 2022, 05.00 PM** in the Office of the Director, RIMS, Ranchi. For any postal delay RIMS is not responsible.

5. GENERAL ELIGIBILITY:

Qualifying examination:

- Medicine Doctor (M.D.)/ Master of Surgery (M.S.)/ Diplomate of National Board (D.N.B)/ Master's Degree in Dental Surgery (MDS) in the concerned subject recognized by the National Medical Commission/Dental Council of India. OR (ii) M.Sc. in the concerned subject OR (iii) Master's degree in any one of the allied subjects.

In accordance to the UGC Gazette notification no. 278 dated 05.07.2016, the candidates for admission to the PhD programme shall have a Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed). A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled and other categories of candidates as per the decision of the Commission from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991.

The PhD program at RIMS, Ranchi shall be conducted under the following Sciences – Medical Science and its allied subjects, Dental Science and its allied subjects, Nursing Science and its allied subjects, Para-medical Sciences and its allied subjects and Life sciences and its allied subjects.

The following departments have been approved for PhD program at RIMS Ranchi as main discipline:

S. No	Main Discipline
1	Anatomy
2	Anaesthesiology
3	Biochemistry
4	Biophysics
5	Biostatistics
6	Cardiology
7	Cardiothoracic and Vascular Surgery
8	Dermatology & Venereology
9	Endocrine & Metabolism
10	Critical Care Medicine
11	Forensic Medicine
12	Gastroenterology
13	General Surgery
14	General Medicine
15	Microbiology
16	Laboratory Medicine
17	Nephrology
18	Neurology
19	Neurosurgery
20	Obstetrics & Gynaecology
21	Ophthalmology
22	Orthopaedics
23	Otolaryngology (E.N.T.)
24	Pathology
25	Paediatrics
26	Paediatric Surgery
27	Pharmacology
28	Physiology
29	Physical Medicine and Rehabilitation
30	Plastic Surgery
31	Community Medicine (Preventive & Social Medicine)
32	Pulmonary Medicine (T.B. & Chest Diseases)
33	Psychiatry
34	Radio – Diagnosis & Imaging
35	Radiotherapy & Radiation Medicine

S. No	Main Discipline
36	Surgical Oncology
37	Toxicology (Poison Information & Toxicology)
38	Urology
39	Dentistry
40	Nursing
41	Molecular Biology

A candidate possessing qualifying degree in the following allied subjects may apply for PhD in any of the above-mentioned main disciplines.

Allied subjects: Anatomy, Anaesthesiology, Anthropology, Agricultural Science, Applied Biochemistry, Biochemistry, Biophysics, Biotechnology, Biomedical Engineering, Biomedical Science, Biological Science, Bio-Science, Bioinformatics, Biomaterials, Biochemical Engineering, Biostatistics, Botany, Cardiology, Cardio – Thoracic vascular Surgery, Ceramic Engineering, Chemistry, Clinical Nutrition, Computer Engineering, Computer science, Criminology, Dermatology & Venereology, Economics, Endocrinology & Metabolism, Environmental Science, Electronics, Epidemiology, Food and Nutrition, Forensic Science, Forensic Medicine, Forensic Technology. Gastroenterology, Genetics, Health Economics, Health Information System, Health statistics, Home Science (Dietetics), Hospital Management, Immunology, Information Technology, Life Science, Master in Social Work, Math Science, Material Sciences, Medical Pharmacology, Medical Record Technology, Medical Science, Medical Social Work, Mechanical Engineering, Medical Surgical Nursing, Metallurgical Engineering, Medicine, Medical Technology, Microbiology, Molecular Biology, Molecular and Human Genetics, Mycology, Nanotechnology, Nephrology, Neonatology, Neurology, Neurosurgery, Nursing, Nutrition, Obstetrics & Gynaecology, Occupational Therapy, Oncology, Oral Medicine and Radiology, Oral Pathology, Oral Maxillofacial Surgery, Ophthalmology, Orthodontics and Dentofacial Orthopaedics, Periodontology, Paediatric and Preventive Dentistry, Prosthodontics, Public Health Dentistry, Conservative Dentistry and Endodontics, Orthopaedics, Otolaryngology, Pathology, Paediatrics, Plastic Surgery, Pharmacy, Pharmaceutical Chemistry, Pharmacology, Physics, Physiology, Physiotherapy, Preventive & Social Medicine/Community Medicine, Physical Medicine and Rehabilitation, Psychiatry, Pulmonary Medicine, Psychology, Public Health, Psychiatric Social Work, Paediatric Nursing, Radio- Diagnosis & Imaging, Radiotherapy & Radiation Medicine, Speech therapy, Sociology, Social Work, General Surgery, Statistics, Surgical Oncology, Toxicology, Tuberculosis and Respiratory diseases, Urology, Veterinary Science, Zoology.

There shall be three categories of candidates enrolled for Ph.D. program

- (a) Full time candidates - All research scholars who pursue full time study in RIMS shall belong to this category.
- (b) Part time internal candidate - Candidates who are employed in the RIMS, Ranchi service and are actively engaged in the research in addition of their regular work shall also belong to this category.
- (c) Part time external candidates - All candidates working in colleges recognized of other University, in Research Organizations, Govt. Departments or Industrial units of Medical, Dental, Nursing and Paramedical and are Pursuing Ph.D. program at RIMS while continuing in their job, shall belong to this category. They shall pursue research both in their place of employment and in RIMS. These candidates shall spend 6 (Six) months in spells of not less than one month at a time in RIMS with supervisor during their research period. External candidates should have a minimum of two years of professional experience after the post-

graduate qualifications.

Candidates working under Central Govt./Semi Govt./Autonomous organization should submit their applications through proper channel i.e. employer. They will be required to submit a '**No Objection Certificate**' from their employer before they are allowed to join the Ph.D. Course.

The candidates who are likely to complete requisite qualification and degree before stage II of the selection may apply. However, the candidate should produce qualifying degree at the time of stage II.

6. METHOD OF SELECTION:

The selection of the candidates will be made through a 2-stages performance evaluation as under :-

Stage-I: Applicants fulfilling the eligibility criteria (except those exempted) shall be required to take entrance test termed as Ph.D. Entrance Test. The Ph.D. Entrance Test will be for screening the applicants in order to determine their suitability for admission to Ph.D. program of the concerned discipline. Qualifying the Entrance Test will in no way entitle the candidate to any right to admission in this Ph.D. programme.

The following candidates only shall be exempted from PhD entrance exam of RIMS, provided other eligibility conditions are met:

- a) those candidates who have qualified UGC-NET JRF/ UGC-NET SRF/ UGC-CSIR NET JRF/ UGC-CSIR NET SRF/ ICMR JRF/DBT JRF/DBT SRF/ DST-SERB JRF/DST-SERB SRF/SLET/ GATE (valid only for 2 years after passing the exam)
- b) holds regular appointment as faculty in RIMS

The candidates seeking an exemption from the Entrance Test shall have to submit the proof of the same at the time of the submission of an Application Form for Ph.D. admissions. The candidates who have been granted exemption from appearing in the Entrance Test shall have to follow rest of the admission process as per the schedule and fulfil all other requirements for the Degree of Doctor of Philosophy.

The medium of Entrance Test shall be English.

- It shall be of two hours duration.
- There will be 100 multiple choice questions each carrying one mark. These questions will be objective in nature, and each will have a choice of four answers, out of which the candidate has to mark the correct answer.
- The questions shall be categorized into two parts:
 - Part A: Compulsory section having 50 questions related to general aptitude and basic concept of Research Methodology- 50 marks
 - Part B: There shall be a choice of selecting one out of 5 options – Medical Sciences, Dentistry, Para-medical Sciences, Nursing and Life Sciences. Each of these sections will have 50 questions based on subjects taught at post-graduate courses. The syllabus prescribed by National Medical Commission (NMC), Dental Council of India (DCI) Pharmacy Council of India (PCI), University Grants Commission (UGC), Indian Nursing Council (INC) shall be referred for this exam.

Stage-II: The result of stage-I will be displayed on the Notice Board of Controller of Examination, Ranchi University and Website of RIMS, Ranchi and Ranchi University. No individual intimation will be sent. Candidates who fail to attend any of the two stages mentioned above will not be eligible for admission.

- a) Those candidates who shall qualify for perusing the program (including those who have qualified in the Entrance exam and those who are exempted from it) shall submit a short synopsis of one or two pages clearly stating the research question, objectives, rationale for the study, novelty of the study and expected outcomes.
- b) The faculty of RIMS interested in supervising the candidates for that academic year shall be asked to apply for the same well in advance. In addition to other details as mentioned in proforma of Ranchi University, research interest of the supervisor duly supported by funded grants from national and international agencies or publications in Pubmed indexed journals shall also be sought.
- c) Based on the short synopsis and supervisor's research interest, the Department Research Council (DRC), RIMS shall recommend up to 3 supervisor/co-supervisor for the candidates.
- d) The candidates shall discuss their topic with the supervisors and then submit the final synopsis along with the consent from the supervisor as mentioned in Annexure 1 of Ranchi University. This synopsis shall be presented in front of DRC for consideration and possible approval.

7. APPLICATION FEE:

Application Form fees is:

For General/OBC candidates - Rs.300/-

For SC/ST candidates of Jharkhand only - Rs.200/-

An Entrance Exam fee of Rs.2500/- (along with Application Form fee and Gateway fee) shall be paid online by the applicant. Fee once remitted will not be refunded in any circumstances. Inadequately filled / incomplete applications may be summarily rejected.

8. HOSTEL ACCOMMODATION: Subject to availability.

9. COURSE WORK:

All scholars, including part-time ones, shall have to do 'Course Work' which will be treated as a prerequisite for the Ph.D. programme for which they shall have to meet the minimum requirement of 75% attendance during the Course Work offered by RIMS, Ranchi and will be required to complete the course work within one semester (6 months). The course work shall have 3 papers:

- a. Paper I: Research Methodology, Biostatistics and Computer Skills
- b. Paper II: Tools and Techniques of Research
- c. Paper III: Scientific writing

The course work shall comprise a formative assessment of 25 marks and a semester-end summative assessment of 75 marks for each paper. A scholar having obtained a minimum of 55 percent of marks in aggregate of formative assessment and semester-end summative examination shall be declared to have successfully completed the Course Work. Each scholar shall get two chances to complete the course-work.

10. MONITORING PROGRESS OF THE CANDIDATE:

There shall be a **Research Advisory Committee (RAC)** for each Ph.D. scholar. The RAC shall consist of

- a) The Research Supervisor of the scholar who shall be the Convener of this Committee and nominate
- b) Another faculty member from the same discipline working in the same field as an Internal Expert.

- c) One faculty member from a different discipline specialized in related field as an External Expert.
 d) Co-Supervisor, if any, in case of inter-disciplinary research.

This Committee shall have the following responsibilities:

- To review the research proposal and finalize the topic of research;
- To guide the research scholar to develop the study design and methodology of research.
- To periodically review and assist in the progress of the research work of the research scholar.

A research scholar shall appear before the RAC once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six-monthly progress reports shall be submitted by the RAC to the DRC with a copy to the research scholar.

In case the progress of the research scholar is unsatisfactory, the RAC shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the RAC may recommend to the DRC with specific reasons for cancellation of the registration of the research scholar.

The examination of course work shall be conducted by RIMS and the result shall be published by Ranchi University Thesis guidelines, Format of thesis, Pre-submission seminar, submission of thesis, evaluation of thesis, oral and practical examination—as per Ranchi University Regulations.

11. AWARD OF DEGREE OF Ph.D:

The Degree of Doctor of Philosophy will be awarded to the scholar in the subject in which the candidate has done his/her post-graduation irrespective of the discipline under which he/she has registered.

The PhD scholars must publish at least one (1) Research paper in refereed journal and make two paper presentations in conference/ seminars before the submission of the dissertation / thesis for adjudication, and produce evidence for the same in the form of presentation certificates and/ or reprints.

12. COURSE FEE FOR PhD PROGRAM

The fee structure for PhD program for Full time candidate:

S. No.	Item	Fee
1.	PhD Registration fee	Rs 5000 for General and OBC candidates/ Rs 3000 for SC/ST candidates
2.	PhD Annual Fee	Rs 2000 per year
3.	Course Work Fee	Rs 5000
4.	Thesis submission Fee	Rs 7000

Fee structure for the part time candidates (including both part time internal and external candidates):

S. No.	Item	Fee
1.	PhD registration fee	Rs 5000 for General and OBC candidates / Rs 3000 for SC / ST candidates
2.	PhD Annual Fee	Rs 1,20,000 per year
3.	Course work fee	Rs 5000
4.	Thesis submission fee	Rs 7000

13. RIMS Research fellowship:

Ph. D. candidates who are admitted as full-time research scholars through entrance test would be entitled to RIMS Research fellowship. This fellowship includes a monthly stipend of Rs. 25,000/- plus Rs. 5,000/- HRA per month and contingency amount of Rs.22,000/- per year. This award shall be strictly subject to the fulfillment of all the conditions governing such awards.

Sl. No. :

Price : 300/-



**Rajendra Institute of Medical Sciences, Ranchi
Ranchi University, Ranchi**



Application form for Ph.D Entrance Examination-2022

(The form must be filled carefully. Incomplete form is liable to be rejected)

Main Discipline :

1. Name (IN BLOCK LETTER)
State Shri/Smt./Kumari :
2. Date of Birth :
3. Father's Name :
4. Address for correspondence
with PIN Code No. :
Telephone No. and E-mail Id
if any :
5. Whether belonging to Scheduled Caste / Scheduled Tribe :
(If yes, enclose attached copy of the certificate issued by
complaint authority of Jharkhand Government)
6. Particulars of educational qualifications : (10th onwards)

Self attested
Passport Size
Colour Photograph

Examination Passed	School/College/ University	Subjects Offered	Division/ Class	% of Marks	Year of Passing

Note : Enclose attested copies of Mark sheets.

7. Particulars of Online Payment Receipt (attached original copy)

Payment Reference No.....Date.....Amount Rs.....

8. Please state whether you have already registered as a student of Ranchi University.

If yes, please write Registration Number and year of Registration.

9. Parents occupation with details of employment.

10. List of Enclosures (The copies must be self-attested) :

- | | |
|-------------|--------------|
| (i) | (vi) |
| (ii) | (vii) |
| (iii) | (viii) |
| (iv) | (ix) |
| (v) | (x) |

Declaration

I hereby declare that the particulars furnished by me are correct to the best of my knowledge and belief. I am aware that any incorrect information may lead to cancellation of registration. I promise to abide by the rules and regulations of Ranchi University.

Place :

Date :

(Signature of Candidate)

Important : Please enclose self-addressed 10" x 4" envelope.

Note : Copy of Online Payment Receipt should be retained by the candidate.



**Rajendra Institute of Medical Sciences, Ranchi
Ranchi University, Ranchi**



Ph.D. ENTRANCE EXAMINATION-2022

Admit Card
To be filled up by the candidate

1. Name (IN BLOCK LETTER)

State Shri/Smt./Kumari :

Date of Birth :

Father's Name :

Address for correspondence
with PIN Code No. :

Telephone No. and E-mail Id
if any :

Subject :

Self attested
Passport Size
Colour Photograph

For office use only

1.) Examination Roll Number :

2.) Date of Examination :

3.) Place of Examination :

Signature of Dean,
RIMS, Ranchi

Signature of Controller of Examinations
Ranchi University, Ranchi



राजेंद्र आयुर्विज्ञान संस्थान, रांची

Rajendra Institute of Medical Sciences

**An Autonomous Institute under the Govt. of Jharkhand
Ranchi, Jharkhand**