

ICMR JRF Entrance Examination 2010

INFORMATION BROCHURE



**INDIAN COUNCIL OF MEDICAL RESEARCH
RAMALINGASWAMI BHAWAN,
ANSARI NAGAR, POST BOX 4911,**

NEW DELHI-110029

Organising Institute:

**Postgraduate Institute of Medical Education & Research
Chandigarh-160012.**

Rs.500/- (General/OBC)

Rs.300/- (SC/ST/PH)

Last Date for receipt of application	28.04.2010
Last Date of Remote Areas	03.05.2010
Date of Entrance Examination	18.07.2010 (Tentative)

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INTRODUCTION

The Indian Council of Medical Research (ICMR), New Delhi an apex body in India for the formulation, coordination and promotion of biomedical research under department of Health Research, MOH and FW, is one of the oldest medical research organization in the world which has completed 99 years of its existence. The Governing Body of the ICMR is presided over by the Hon'ble Union Minister of Health & Family Welfare.

The ICMR conducts biomedical research through its (i) Twenty one permanent mission-oriented institutes (Intramural Research) located in different parts of India which address themselves to research on specific health topics like tuberculosis, leprosy, cholera and diarrhoeal diseases, viral diseases including AIDS, malaria, kala-azar, vector control, nutrition, food & drug toxicology, reproduction, immuno-haematology, oncology, medical statistics, etc. and (ii) Six Regional Medical Research Centres addressing themselves to regional health problems, as well as aim to strengthen or generate research capabilities in different geographic areas of the country.

Extramural research is promoted through grants-in-aid given as a project mode to scientists from non- ICMR institutes by (i) setting up Centres for Advanced Research in different research areas in selected departments of Medical Colleges, Universities and other non-ICMR Research Institutes; (ii) Task force projects which emphasize on a time-bound, goal-oriented approach with clearly defined targets, specific time frames, standardized and uniform protocols and often a multicentric structure and (iii) open-ended Research on the basis of applications for grants-in-aid received from scientists from non-ICMR Research Institutes located in different parts of the country. Strengthening of research capabilities and a definite research strategy are recognized as a vital tools for successful research operations and the ICMR has strive to adopt new strategies from time to time. Human resource development in biomedical research is encouraged through various schemes such as (i) Research Fellowships (i.e. Junior & Senior Fellowships and Research Associateships); (ii) Short-term Visiting Fellowships which allow scientists to learn advanced research techniques from other well-established research Institutes in India; (iii) Short term Research Studentships (for undergraduate medical students to encourage them to familiarize themselves with research methodologies and techniques) (iv) Financial assistance to MD/MS/DM/MCH thesis in priority areas of Biomedical Research : (50/year) Financial assistance of Rs. 25,000/- is provided to candidates who are in the 2nd year of MD/MS course; (v) MD, Ph.D Programme 25 slots/year. To identify young medical

graduates with brilliant academic records for pursuing postgraduate qualifications & later to absorb them in its research cadre; (vi) Post Doctorate Fellowship Programme (50/yr) : To identify and support young Ph.Ds for the conduct of research using ICMR Institutes working for priority areas of Health Research and, (vii) various Training Programmes and Workshops conducted by ICMR institutes and Head quarters.

Two broad lines of research endeavor are discernible in the ICMR in the last two decades (i) Application of available knowledge, under the prevailing socio-economic and cultural environment through Health Systems Research involving interdisciplinary efforts between biomedical, social and behavioural sciences with epidemiology acting as a bridge; (ii) Application of the powerful tool of modern biology to search for the causes and also to unravel basic mechanisms and to identify risk factors leading to early diagnosis and development of new therapeutic agents including vaccines.

Introduction to ICMR JRF

ICMR JRF Examination is the first step in the process of admission to the Ph.D/ Research Programme. Test for ICMR JRF fellowship conducted at the seven centres viz. Chandigarh, Chennai, Delhi, Kolkata, Mumbai, Hyderabad and Guwahati once a year on **2nd/3rd Sunday** in July each year. The award of JRF is made on merit basis by holding an entrance examination after issuing a countrywide admission notice. The admission notice is published in leading English Newspapers of India usually during March/April.

ICMR in collaboration with PGIMER, Chandigarh will hold a National level examination on **Sunday, July 18th 2010** for determining the eligibility of Indian National candidates for the award of Junior Research Fellowships (JRF) through Indian Council of Medical Research. The award of Junior Research Fellowship to the successful eligible candidates will depend on their finding placement in a medical college / hospital / university / national laboratory / institution of higher learning and research as applicable.

- (I) A total of **150 Fellowships** would be awarded. (**120 fellowships** would be awarded for work in the field of **biomedical sciences** with emphasis on Life Sciences (like microbiology, physiology, molecular biology, genetics, human biology, biotechnology, biochemistry, bioinformatics, biophysics, immunology, Pharmacology, zoology, botany, Environmental Sciences and veterinary sciences etc.). **30 fellowships** would be awarded for work with emphasis on

Social Sciences like psychology, Sociology, Home Science, Statistics, Anthropology, Social work & Health Economics.

- (I-i) Two separate merit lists, one comprising the candidates qualifying for life sciences and the second for those candidates qualifying for social sciences, will be made on the basis of their performance in the above test.
- (I-ii) The candidates selected for the JRF programme of ICMR would be permitted to enroll themselves for the Ph.D. programme of any University **recognised by the UGC/MCI. The validity of fellowship awarded to a candidate will be six months.**
- (II) **Another 100 candidates** would be selected for consideration for positions of JRF under various research schemes of ICMR (subject to fulfilling the conditions for appointment under the schemes) for the duration of that scheme. These JRFs would also be permitted to complete Ph.D. while working in the scheme, if enrolled. **The validity of result will be two years for placement in ICMR funded projects.**
- (III) SC/ST/OBC/Physically Handicapped (PH) applicants will be given such special consideration as per policy guidelines.
- (IV) The successful candidates would be notified by post, Internet in the first week of **September, 2010**. The list would also be available on the ICMR website.

Procedure for applying

Before applying, candidates are advised to go through the admission notice published in the advertisement in various Newspapers and the instructions given therein carefully. Fill in the application form according to the instructions given in this prospectus and the admission notice. **Incomplete applications will not be considered and no correspondence will be entertained.**

Application for JRF fellowship is required to be submitted on the prescribed form enclosed with this prospectus.

- a) The application, complete in all respects accompanied with all the relevant documents should reach the Registrar, PGIMER, Sector 12, Chandigarh-160012 on or before the closing date. The application received after the closing date is not considered and no correspondence will be entertained.

- b) Applications on forms other than prescribed for the purpose will not entertained.

Requirement for ICMR JRF

Educational Qualification:

M.Sc./M.A. or equivalent degree with minimum 55% marks for General/OBC candidates and 50% for the SC/ST & physically handicapped candidates in the subjects mentioned under the head method of selection.

A candidate who is appearing / has appeared in the final year (IV/VI Semester whichever is applicable, and final year where Semester system is not there) of M.Sc./M.A. or Equivalent Examination during the session (2009-2010) can also apply for the test as RA (Result Awaited). Such candidates will have to submit the attestation format (given in the end of application) **duly certified by the Head of the Department/ Institute** over his/her signature and rubber stamp (with address and name) where he/she is appearing in the final year examination. However, such candidates shall be admitted to the Test provisionally and shall be considered eligible for JRF only after they submit the proof of having passed the Master's Degree examination with requisite percentage. The M.Sc./M.A. or equivalent degree marksheets must be submitted to ICMR, latest by **30th September 2010**, otherwise candidature will automatically be forfeited.

Age Limit

The age limit for admission to the eligibility test is 28 years as on 30-09-2010 (upper age limit relaxable up to 5 years in case of candidates belonging to SC/ST, physically handicapped (PH) and female candidates, 3 years in the case of OBC category.

Syllabus:

- As prescribed by UGC.
- A dummy sample question paper for ICMR JRFs Examinations is available on PGI/ICMR website.

Method of selection

Scheme of Test

The test will consist of one paper of 2 hours duration. The paper will consist of 2 Sections. The Aptitude Section (Section A) will have 50 questions on (i) scientific phenomenon in everyday life; (ii) general

knowledge in sciences; and (iii) common statistics. All these questions would be compulsory with each question carrying 1 mark. The subject Specific Section (Section B & C) would pertain to (B) Life Sciences and (C) Social Sciences. The candidate may attempt questions in either of the two areas. Each area of section B & C would have 100 questions and the candidate may attempt any 75 questions in the predesigned area of Section B or C. Candidates are required to indicate the option for Section B or C in the application form too.

Each question carries one mark. **Negative marking @ 0.25 will be made for each of the wrong answer.** The questions in both the sections would appear in English only.

The qualifying marks will be 55% obtained in both the sections (A+B or C) for General Category and OBC and 50% for SC/ST and physically handicapped.

The test will be held in the following **streams**: (1) Aptitude test (common for all) (2) Life Sciences (3) Social Sciences. Subjects covered under **Life Sciences** include microbiology, physiology, molecular biology, genetics, human biology, biotechnology, biochemistry, bioinformatics, biophysics, immunology, Pharmacology, zoology, botany, environmental sciences and veterinary sciences. Subjects covered under **Social Sciences** include psychology, sociology, anthropology, social work, Home sciences, Statistics & Health Economics.

HOW TO APPLY

Information bulletin containing the application form and other details will be available at PGIMER Website [http:// pgimer.nic.in](http://pgimer.nic.in) and **ICMR website icmr.nic.in.**The **candidates** may apply in the downloaded form together with **requisite fee** by demand draft in the name of **DIRECTOR, PGIMER, Chandigarh**. The prescribed application form along with Information brochure will also be available on **cash payment** (Not by Cheque or money order) from the office of **Registrar, Academic Section** at the counter (Kairon Block 3rd Floor Training Branch) & **ICMR, New Delhi** from **29.3.2010** on payment of **Rs. 500/-** for General & OBC and **Rs. 300/-** for **SC/ST/PH** from **10.30AM to 12.30PM and from 2.30 PM to 3.30 PM on all working days except Saturdays (On Saturday forms will be available at PGIMER, Chandigarh only from 10.30 AM to 12.30 PM) or by post** for which request (inscribed on the envelope "**Application form ICMR-JRF Exam-2010** must be accompanied with a Self addressed thick envelope of size 8" x10" bearing Postage stamp of Rs. 50/- and **requisite Bank draft**. The Bank draft should be preferably from any SBI Branch payable at SBI Medical Institute Branch (Code No. 1524), Chandigarh (for General & OBC

Rs. 500/- and Rs. 300/- for SC/ST/PH) drawn in favour of “Director, PGI, Chandigarh”)

Candidates are advised to preserve photocopy of the Bank draft for further reference. SC/ST/OBC/PH candidates should submit a copy of the certificate from the competent authority in English or Hindi along with bank draft. All disputes relating to the conduct of the examination or any matter connected with this advertisement shall be dealt in the jurisdiction of Delhi Court.

For Candidates seeking Fee concession

- (a) A SC/ST/OBC candidate should submit a copy of the caste certificate about being SC/ST/OBC (attested by a Gazetted Officer) issued by the prescribed authority of Govt. of India, in English or Hindi. In case the caste/category certificate is in regional language the candidate should enclose an English/Hindi translation of the same duly notarised by a notary with the request for application form. **For allowing concessions in this regard ICMR follows only Central Govt. lists and Not State Govt. list.** The SC/ST/OBC candidates should ensure from the competent authority issuing the caste certificate that their communities are enlisted in the common list of the Govt. of India.
- (b) A physically handicapped (PH) person should submit along with his/her application a copy of certificate about being handicapped obtained from a government hospital/Medical Board duly attested by the Gazetted Officer with the request for application form.
- (c) An applicant claiming fee concession (and received by the ICMR within the closing date) but without an attested copy of a valid SC/ST/OBC/PH certificate, will be summarily rejected.

Application fee paid for a particular examination will neither be adjusted for any subsequent examination nor refundable under any circumstances.

LAST DATE

The application form duly completed alongwith with requisite enclosures, must reach the **Registrar**, Academic Section, Postgraduate Institute of Medical Education & Research, Chandigarh-160012 by registered / speed post on or before **28.4.2010**. For candidates from Mizoram, Manipur, Nagaland, Tripura, Sikkim, Ladakh Division of J & K State, Lahaul & Spiti district of Himachal Pradesh, Andaman & Nicobar Island and Lakshadweep, the application must reach on or before

03.05.2010 . The envelope containing the application (with enclosures) should be superscribed as under:

“APPLICATION FORM FOR ICMR JRF EXAM. -- 2010 .

The candidates are advised in their own interest to apply early enough to ensure timely receipt of their applications.

<p style="text-align: center;">CHECK LIST FOR FILLING UP THE APPLICATION FORM</p>
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Before submitting the application to the **Registrar**, Academic Section, PGIMER, Chandigarh the candidate should ensure that:

- (i) You fulfill all the eligibility conditions laid down for the admission to the test.
- (ii) You have got your application attested from your Head of Department/Institute in case you are in final year of M.Sc/M.A. and appearing in 2009-2010 session/result awaited as per attestation in application form.
- (iii) You have clearly and legibly filled in all the columns of the application and no column has been left blank.
- (iv) You have pasted your photograph on the application, **attested with Rubber Stamp/Seal by a Gazetted Officer.**
- (v) You have enclosed requisite SC/ST/OBC/PH certificate if you belong to any of these categories and have claimed fee concessions.
- (vi) If appearing / appeared in M.Sc./M.A. final year/last semester examination, you have filled up the details.
- (vii) You have mentioned your age as on 30-09-2010 in the application.
- (vii) You have filled up the correct code as per code list after proper checking.
- (ix) You have ensured that your application is complete in all respects.
- (x) You have signed your application.
- (xi) You have filled the date of birth as shown below. For example 1st March 1966 should be filled up as:

0 1 0 3 1 9 6 6
D D M M Y Y Y Y

- (xii) Candidates should enclose with their applications one stamped, self addressed envelope of size 23x10 cms with Rs.10/- postage stamp. The envelope will be used for sending roll number, etc. therefore the address on the envelope should be legible, neat and complete, preferably typed.

LIST OF CODES

- (i) **Subject Code: (Column 2 of application)**
Aptitude Section A (Compulsory for all)
- | <u>Name of the stream</u> | <u>Code</u> |
|---------------------------|-------------|
| Life Sciences | B |
| Social Sciences | C |
- (ii) **Examination Centre Code (Column 1 of application)**
- | | |
|------------|----|
| Chandigarh | 01 |
| Chennai | 02 |
| Delhi | 03 |
| Kolkata | 04 |
| Mumbai | 05 |
| Hyderabad | 06 |
| Guwahati | 07 |

DURATION AND EMOLUMENTS OF ICMR JRF

Candidates qualifying for the award of JRF will receive fellowship from ICMR.

- (i) The value of the fellowship is at present Rs. 12,000/- (Rupees Twelve thousand only) per Month.
- (ii) The duration of fellowship will initially be limited till two years carrying a monthly stipend of Rs. 12,000/- and an annual contingency grant of **Rs.20,000/- per annum**. The progress of research work would be evaluated annually through annual progress reports. On completion of two years as JRF the stipend of a fellow may be increased to Rs. 14,000/- p.m. for 3rd year on the basis of assessment of candidate's research progress / achievements. Upon such a recommendation, the fellow will be called SRF. In the event of the Committee not recommending upgradation, the fellow will continue as JRF with a stipend of Rs. 12,000/- per month for the 3rd year or his/her fellowship may be terminated depending on the decision of the Committee. The duration as SRF may be for a maximum duration of 3 years.

Thus, the total tenure as JRF plus SRF shall not exceed 5 (five) years.

- (iii) For further information, please contact the **Division of Manpower Development, Indian Council of Medical Research, Ansari Nagar, Post Box 4911, New Delhi-110029, or Registrar, Academic Section, Postgraduate Institute of Medical Education & Research (PGIMER), Chandigarh 160 012.**

Joining Time

Selected candidates must join their respective course on the prescribed date as indicated in their admission letter. The selection of those who fail to join by the specified date shall automatically stand cancelled.

OTHER GENERAL INFORMATION

- (i) No TA will be paid to the candidates by ICMR for attending the exam or Joining their place of work.
- (ii) Candidates should note that their candidature is provisional. No candidate will be admitted to the test unless he/she holds the admission certificate to the test. The mere fact that an Admission Certificate has been issued to a candidate will not imply that his/her candidature has been finally accepted by the ICMR. Candidates may note that the verification of eligibility conditions of a candidate with reference to the ~~documents~~ as may be called for, will be taken up only after the candidate has qualified in the test.
- (iii) A candidate must ensure that communications sent to him/her at the address stated in his/her application are redirected, if necessary. Any change in address of correspondence should be promptly brought to the notice of the **Registrar**, Academic Section, PGIMER Chandigarh within the prescribed period i.e **15.6.2010.**
- (iv) **Candidate is advised to fill up the centre for examination properly.No change of Centre will be entertained after 15.06.2010.**

- (v) Candidates may please note that all communications to ICMR /PGI should invariably contain the following particulars, failing which no response is possible:
- (a) Name of the candidate (in Full and in Block Letters)
 - (b) Roll No.
 - (c) Date of Birth
 - (d) Subject
 - (e) Centre for Examination, and
 - (f) Postal address as given in the application with Pincode, STD Code-phone and e-mail address
- (vi) Admission Certificates for Test indicating the time schedule as also the venue of test will be issued to all the candidates about one week before the date of Test in order to ensure that the Admission Certificates reach the candidates promptly after its dispatch. They should give their complete and correct Postal Address with PIN Code in the application & self addressed envelope. If any candidate does not receive the Admission Card one week before the test he/she may contact **Registrar**, Academic Section, PGIMER, Chandigarh.
- (vii) In all matters such as the eligibility or otherwise of a candidate for admission to the Test or his/her subsequent qualifying in the Test the decision of the ICMR shall be final.
- (viii) A candidate found canvassing and/or guilty of indiscipline in the Examination Hall or of using unfair means of any nature or of noting Questions except on answer sheet shall be liable to be disqualified from this Test and future Tests.
- (ix) The award of JRF by the ICMR after successfully passing the examination will be subject to verification of documents i.e. proof of age, and qualifying in M.Sc, M.A. (Final) or equivalent exam, with requisite percentage of marks and also SC/ST/OBC/PH certificate, if the candidate belongs to any of the above categories.
- (x) Use of Calculators/ Log Tables (other than those provided in the Answer Books) is not permitted.
- (xi) Candidates must write the papers in their own hand. Only visually handicapped candidates will be provided the help of a graduate level scribe in Sciences to write the answer for them. They will also be given 30 minutes extra.
- (xii) All disputes pertaining to the conduct of the Examination shall fall within the jurisdiction of Delhi only.
- (xiii) An amount of Rs.30/- will be charged for issue of duplicate roll no.

- (xiv) Information Brochure or Admission Certificate/ Roll NO. will be sent to the candidates **under Postal Certificate** in the self addressed envelope supplied by the candidate.

REGISTRAR,
Academic Section,
PGIMER, Chandigarh
Coordinator, ICMR

Instructions for Filling of Answer Sheets

1. The specimen copy of the answer sheet which will be used for answering question is given at Annexure-I. Candidates are advised to go through it and be conversant with the requirements of giving particulars and marking the answers so that during the examination they could do so without difficulty, without making any mistake and loss of time.
2. The answer sheet will have two sides. Side 1 contains information about the candidate, instructions and examples for filling side 2. The following columns will be filled by the candidate on side 1 (use ball point pen for side 1).

Roll Number	:	Write your Roll No. here
Name of candidate	:	Write your Name here
Centre Code	:	Write your Centre Code No. here as given in Admit Card
Category	:	Write your category such as General, SC, ST, OBC, PH/VH etc.
Subject	:	Write your subject as Life Science or Social Science
Signature of candidate	:	Put your signature here.

3. Side 2 of the answer sheet will be of special type, which will be scanned on Optical Scanner. This side contains the following columns which are to be filled up neatly and accurately by the candidate (use ball point pen for side II) :

Test Booklet Code
Roll Number
Centre Code
Test Booklet Number
Subject Code
Columns 001 to 150

Writing of particulars and responses:

Roll Number	:	Write your roll number as given in the specimen answer Sheet on side 1. For example, Roll No. 15643
Centre Code	:	Write your centre code as given in the specimen answer Sheet on Side 1. For example, centre code 15 (refer your admitcard for your centre No.)
Test Booklet No.	:	Write your test booklet number as indicated on the test Booklet as given in the specimen answer sheet on side 1. For example, test booklet No. 16324.
Test Booklet Code	:	Each test booklet has been assigned a code. Note this Code and write it as given in the specimen answer sheet. For example, test booklet code No. C

Subject Code	:	Write B for Life Science and C for Social Science as Given in specimen answer sheet on side 1.
Writing of responses	:	Each column corresponds to the serial number of Question given in the test booklet. With each column there are four options which corresponds to the four responses, one which is correct. A candidate is required to indicate the correct answer to the question by darkening the appropriate circle completely with HB Pencil.

4. **Correct way of marking answer options**

The correct way of marking answer options is given below. For example, if your response to question No. 21 is 2 then mark it as below :-



Similarly, if your response to question No. 55 is 3, then mark it as below:



5. **Changing an answer :**

If the candidate wants to change the answer option, he should rub the marked option properly and should darken the new option properly.

6. **IMPORTANT INSTRUCTIONS :**

- i) The question paper is divided into three parts. Part I (1 to 50) is compulsory and contains 50 questions. Part II (51 to 150) is for Life Science candidates and contains 100 questions and Part III (51 to 150) is for Social Science candidates and contains 100 questions. The candidate is required to answer either of Part II or Part III and should attempt 75 questions out of 100.
- ii) **Use ball point pen for filling the form on side 1 and 2.**
- iii) Pen mark should be dark and should fill the space provided for filling of answer option.
- iv) There will be four alternatives for each of the questions numbering 1 to 150. The candidate will indicate his/her response to the question by darkening the appropriate option completely.
- v) Please do not fold the answer sheet and make any stray marks on it.
- vi) Booklet code as filled up by the candidate will be accepted as final for the purpose of evaluation. In case the booklet code is left blank or more than one booklet code is indicated on the answer sheet, it will be deemed as incorrect booklet code and answer sheet will not be evaluated.
- vi) The candidate will not do any rough work on the answer sheet, if need be the last page of the question paper may be used for rough work.