



**S.N.BOSE NATIONAL CENTRE FOR BASIC SCIENCES  
BLOCK-JD, SECTOR-III, SALT LAKE CITY, KOLKATA-700106**

**Ph.D Programmes in Physical, Chemical & Biological Sciences**

**Academic Year: 2019-20**

The S.N. Bose National Centre for Basic Sciences invites applications with consistently good academic record (First Division/Class) to apply for admission, A.Y: 2019-20 into the Ph.D Programme in Physical, Chemical & Biological Sciences. The applicants are expected to be motivated to make a career in Research. The programme is fully residential and the students are offered on-campus accommodations and boarding facilities.

The students, after registering with a Research Supervisor, have to undertake a prescribed Course Work Programme. The details of the admission are furnished below:

**ADMISSION CRITERIA**

**A) Department of Astrophysics & Cosmology (AC) & Department of Theoretical Sciences (TS)**

**Basic qualification:** Masters in Science/Technology with First Class/Division i.e., minimum 60% (55% for SC/ST/OBC (non-creamy layer)/EWS/Differently abled candidates) in Physics and Applied Mathematics.

**B) Department of Condensed Matter Physics and Material Sciences (CMP&MS)**

**Basic qualification:** Masters in Science/Technology with First Class/Division i.e., minimum 60% (55% for SC/ST/OBC(non-creamy layer)/EWS/Differently abled candidates) in Physics, Chemistry, Applied Mathematics, Engineering Physics, Electronics, Nanotechnology.

**Further Qualifications required in addition to (A and B) :**

JEST 2019 – Upto 357 Rank

OR

GATE – Upto AIR 400 (2017, 2018 and 2019)

OR

NET– CSIR-NET-JRF and UGC-NET-JRF (June/Dec 2017, June/Dec 2018 with valid award letter till 31.08.2019)

OR

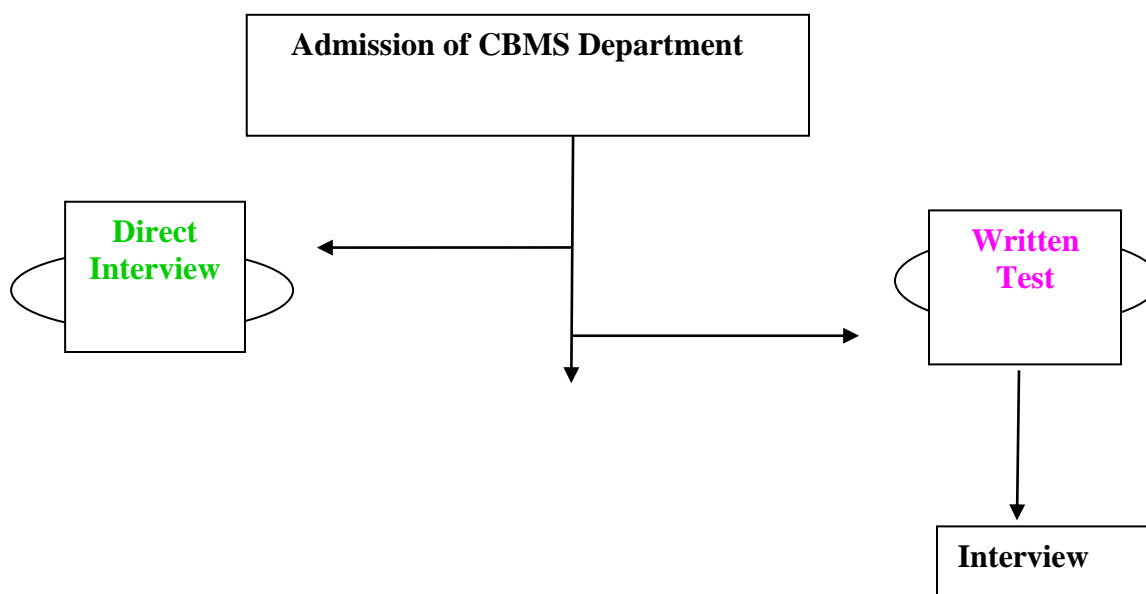
INSPIRE – PROVISIONALLY SELECTED and Award Letter to be valid upto 31.08.2019.

(It is preferable that the INSPIRE applicants should have National Level Test (NLT) like JEST or GATE qualification which may prevent them from cancellation of their admission at the event of rejection of final offer by INSPIRE, if any, after their joining the Centre).

### C) Department of Chemical, Biological and Macro Molecular Sciences (CBMS)

**Basic Qualification:** Masters in Science/Technology with First Class/Division i.e., minimum 60% (55% for SC/ST/OBC(non-creamy layer)/EWS/Differently able candidates) in the following subjects:

Physics, Chemistry, Applied Mathematics, Biophysics, Biochemistry, Nanotechnology, Biotechnology, Engineering Physics, Bio-informatics, Chemical Engineering, Electronics, Applied Optics & Photonics, Applied Physics, Radio Physics & Electronics, Polymer Science & Technology.



**For Direct interview** in the CBMS department, qualifications required in addition to basic qualification :

JEST 2019– Upto 357 Rank

OR

GATE – Upto AIR 400 (2017, 2018 and 2019)

OR

NET – CSIR NET-JRF and UGC-NET-JRF (June/Dec 2017, June/Dec 2018 with valid award letter till 31.08.2019)

OR

INSPIRE – PROVISIONALLY SELECTED and Award Letter to be valid upto 31.08.2019.

**For Written test in the CBMS Department,** qualifications required in addition to basic qualification:

JEST 2019 rank 358 onward

Or

GATE from AIR 401 onward

**Only Short listed candidates** will be allowed to appear in the CBMS dept. interview. No 2<sup>nd</sup> choice of dept. for interview will be allowed to them.

**Date of Written examination of CBMS Dept: 9<sup>th</sup> June 2019 (Sunday) from 11:00 am to 01:00 pm.**

**Date of Interview for AC, TS, CMP&MS, CBMS Dept. : 10th -12th June 2019**

**Age Limit:** None. However, the last qualifying University examination (Masters in Science /Technology) should have been taken not earlier than 2017.

**Fellowship:** As per GOI rule.

**Tuition Fee:** Rs. 10,000/- each year is payable in two equal installments at the beginning of the Autumn and Spring Semester. Exemption of tuition fees, if any, as per GOI rule will be followed.

**Application Fee:** There is a non refundable application fee of Rs. 500/- for General category candidates & Rs.250/- for reserved categories (including Women). **The fee to be paid through NEFT / RTGS Mode only.**

**The account details are as follows:**

**Name of Account Holder: Satyendra Nath Bose National Centre for Basic Sciences**

**Account Number: 775010100024408**

**Bank Name and Branch: Axis Bank, Salt Lake Sector -III**

**Account Type: Savings A/C**

**IFSC Code: UTIB0000775**

**Online Application:** Starts on **06.05.2019** & Closes on **26.05 2019.**

Only online applications will be accepted. Please log on to <http://www.bose.res.in> for further details. In matters of admission, the decision of the Director of the Centre is final and binding.

**For more details please visit <http://www.bose.res.in> or <http://newweb.bose.res.in/AcademicProgrammes/Admission.jsp>.**

For any academic/official query, please write to: [admission@bose.res.in](mailto:admission@bose.res.in).

Limited accommodation, if available, at the centre may be provided on payment basis. For booking of room please write to: [bhagirathiguethouse@bose.res.in](mailto:bhagirathiguethouse@bose.res.in).

For any technical query, please write to: [admission-help@bose.res.in](mailto:admission-help@bose.res.in)

DEAN (ACADEMIC PROGRAMME)  
28<sup>th</sup> April 2019

**About The Centre:**

The Centre is a premier autonomous research institute under the Department of Science and Technology, Government of India. In addition, the Centre receives extramural funding from various funding agencies of India and abroad for its different research programmes. The Centre has extensive collaborative programmes with other premier institutions in India and abroad through bi-lateral exchanges in which the PhD research scholars take active part. The Centre is fully equipped with the state-of-the art infrastructure (experimental and computational) including a digital library for advanced research in chosen areas of Physical, Chemical, Biological and Mathematical Sciences. The research programme in biological sciences focuses on the areas of overlap with chemical and biophysical problems. Students joining the centre get contingency grants to meet research contingency expenses that include expenses for attending conferences and training programmes in India. The students also get generous support to attend International Conferences outside India. The Alumni of the Centre have gone on to work in academic and research sectors in India and abroad. The Centre offers an excellent atmosphere for academic development of students.

For research profiles of the members of the Faculty and for the facilities available, For more details please visit <http://www.bose.res.in>

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