# JOINT ADMISSION TEST FOR M.Sc. 2016

# JAM 2016

Admission to

**Integrated Ph.D. Programmes**

at

## INDIAN INSTITUTE OF SCIENCE

&

M.Sc. (Two Years), Joint M.Sc.-Ph.D., M.Sc.-Ph.D. Dual Degree, M.Sc.-M.Tech., and other Post-Bachelor Degree Programmes

at

## INDIAN INSTITUTES OF TECHNOLOGY

**BHUBANESWAR ● BOMBAY ● DELHI ● GANDHINAGAR ● GUWAHATI ● HYDERABAD
INDORE ● KANPUR ● KHARAGPUR ● MADRAS ● PATNA ● ROORKEE ● ROPAR**

# INFORMATION BROCHURE
# On
# ADMISSION

*JAM 2016 Examination Date: February 07, 2016 (Sunday)*

Organizing Institute



## INDIAN INSTITUTE OF TECHNOLOGY MADRAS
## Chennai - 600036

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## JAM 2016: Admission Highlights

➡️ IIT Madras is the Organizing Institute for JAM 2016.

➡️ Candidates who qualify JAM 2016 are eligible to apply for admission through JAM 2016.

➡️ Applications can be **submitted from** 15th April 2016 to 27th April 2016 by **ONLINE only** through http://joaps.iitm.ac.in.

➡️ No hardcopies of documents are to be sent to the Organizing Institute. The documents (if applicable) are to be uploaded to the online application website only.

➡️ **No** additional requirements, like **suitability test** or **interview,** are needed for the programmes for which admission process is through JAM.

➡️ Application fee for Admission is Rs. 600/- for all candidates and to be paid **ONLINE only** using credit card/ debit card/ net banking. **No challan** payment is accepted.

➡️ Offer of seats would be intimated by Email/ SMS/ Web portal.

➡️ Acceptance or Rejection of offer to be done **ONLINE only**.

➡️ JAM 2016 Admit Card must be produced at the time of reporting for admission, if demanded by Admitting Institutes.

➡️ Seat Booking Fee also has to be paid **ONLINE only** using credit card/ debit card/ net banking. **No challan** payment is accepted.

## 1. INTRODUCTION

**Joint Admission Test for M.Sc. (JAM**) admits candidates who qualify in JAM 2016 to M.Sc. (Two Years), Joint M.Sc.-Ph.D., M.Sc.-Ph.D. Dual Degree, M.Sc.-M.Tech., and other Post-Bachelor's Degree Programmes at the IITs and Integrated Ph.D. Degree Programmes at IISc. The medium of instruction is English for all the above mentioned Programmes.

## 2. GENERAL INFORMATION

(a) JAM 2016 is open to all nationals (Indian/Foreign).

(b) The candidates, who have either appeared or are due to appear in the final examination of their qualifying degree in 2016 and have qualified in JAM 2016, can apply for provisional admission subject to the condition that: (a) all parts of their final examination shall be completed by the date of registration of the Admitting Institute, and (b) proof of having passed the qualifying degree with required eligibility, as specified by the Admitting Institute, will be submitted by **September 30, 2016**.

(c) Admission to most of the Academic Programmes at various institutes will be made on the basis of merit in JAM 2016.

(d) On the basis of performance in JAM 2016, for each test paper, separate merit lists will be prepared for General (GEN), OBC Non-Creamy Layer (OBC-NCL), SC, ST, and Persons with Disability (PwD) category candidates.

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(e)   Requests for the change of category, if any, with proper documentation, should reach the Organizing Institute latest by **May 10, 2016**. Requests received after this date will not be accepted under any circumstances.

(f)   **Candidates should note that mere appearance in JAM 2016 or being in the merit list of any test paper neither guarantees nor provides any automatic entitlement to admission.** Qualified candidates will have to apply for admission (hereinafter called 'Applicants') as per the prescribed procedure. Admissions shall be made in order of merit in each category and depending on the number of seats available at the Admitting Institute(s).

(g)   The list of academic programmes, number of seats, eligibility requirement and minimum educational qualifications of each of the programmes mentioned in this Information Brochure are subject to change, as per the policy of Admitting Institute(s).

(h)   In this document, the phrases 'Un-Reserved' and 'General' are used interchangeably and they both mean the same.

(i)   With regard to the interpretation of the provisions on any matter not covered in this Information Brochure on Admission, the decision of the Organizing Institute shall be final and binding on all the parties concerned.

(j)   In all matters concerning JAM 2016, the decision of the **Organizing Institute** or the **Organizing Chairman, JAM 2016** will be final and binding on all the applicants.

(k)   Although JAM 2016 is held at different centres across country, **Indian Institute of Technology Madras** is the **Organizing Institute**, and has the overall responsibility of conducting JAM 2016.  In case of any claims or disputes arising in respect of JAM 2016, it is hereby made absolutely clear that the Madras High Court alone shall have the exclusive jurisdiction to entertain and settle any such disputes and claims.

## 3.  ACADEMIC PROGRAMMES

The following are the full-time M.Sc. (Two Years), Joint M.Sc.-Ph.D., M.Sc.-Ph.D. Dual Degree, M.Sc.-M.Tech., and other Post-Bachelor's Degree Programmes at different IITs and Integrated Ph.D. Programmes at IISc to which admissions shall be made on the basis of JAM 2016.

   I.   **Indian Institute of Science Bangalore (IISc):** Integrated Ph.D. Programmes in Biological Sciences

  II.   **IIT Bhubaneswar (IITBBS):** Joint M.Sc.-Ph.D. Programmes in (i) Chemistry, (ii) Geology, (iii) Mathematics, (iv) Physics, and (v) Atmosphere and Ocean Sciences
        The modalities for selection to the Ph. D. programme in the joint M. Sc. - Ph. D. programme are as follows.
        After completing the third semester of the M. Sc. Programme:
        (a) Those students securing CGPA $\geq$ 8.5 and having expressed their desire to continue in writing are eligible to opt for the Ph. D. programme. Final selection will be based on written test, interview and other shortlisting criteria set by the School. Those not selected and those who do not opt for the Ph.D. program will exit with an M.Sc. degree.
        (b) Those with CGPA < 8.5 are not allowed to opt for the Ph. D. programme and shall exit with the M.Sc. degree.

 III.   **IIT Bombay (IITB):** Two-year Master of Science (M.Sc.) Programmes in (i) Applied Geology, (ii) Applied Geophysics, (iii) Applied Statistics and Informatics, (iv) Biotechnology, (v) Chemistry, (vi) Mathematics, and (vii) Physics

Four-year Dual Degree Programme in M.Sc.(Physics)-M.Tech.(Materials Science) with specialization in Nano-Science and Technology

M.Sc.-Ph.D. Dual Degree Programmes in (i) Environmental Science and Engineering, (ii) Operations Research, Both the degrees will be awarded together after the successful completion of the Programmes

IV. **IIT Delhi (IITD):** Two-year Master of Science (M.Sc.) Programmes in (i) Chemistry, (ii) Mathematics, and (iii) Physics

V. **IIT Gandhinagar (IITGN):** Two-year Master of Science (M.Sc.) Programmes in (i) Chemistry, (ii) Mathematics, and (iii) Physics

VI. **IIT Guwahati (IITG):** Two-year Master of Science (M.Sc.) Programmes in (i) Chemistry, (ii) Mathematics and Computing, and (iii) Physics

VII. **IIT Hyderabad (IITH):** Two-year Master of Science (M.Sc.) Programmes in (i) Chemistry, (ii) Mathematics/ Mathematics and Computing, and (iii) Physics

VIII. **IIT Indore (IITI):** Two-year Master of Science (M.Sc.) Programmes in (i) Chemistry, (ii) Mathematics, and (iii) Physics, with an option to convert it to M.Sc.-Ph.D. dual degree programme during second semester. Programme conversion of the eligible students is confirmed at the end of the third semester subjected to them qualifying the CSIR/UGC-NET, GATE or any equivalent and meeting the short-listing criteria of the concerned discipline. Students continuing M.Sc.-Ph.D. dual degree programme are awarded M.Sc. degree after successful completion of all its prescribed requirements with recognition that it also partially fulfills the requirements of M.Sc. and PhD Dual Degree Program.

IX. **IIT Kanpur (IITK):** Two-year Master of Science (M.Sc.) Programmes in (i) Chemistry, (ii) Mathematics, (iii) Physics, and (iv) Statistics

M.Sc.-Ph.D. Dual Degree Programme in Physics (Transfer from M.Sc.-Ph.D. Dual Degree Programme to M.Sc. Physics Programme is not permitted. However, for the students admitted to the M.Sc.-Ph.D. Dual Degree Programme, the M.Sc. degree will be given after successful completion of all academic requirements of the first six semesters while working towards Ph.D. degree)

X. **IIT Kharagpur (IITKGP):** Joint M.Sc.-Ph.D. Programmes in (i) Chemistry, (ii) Geology, (iii) Geophysics, (iv) Mathematics, and (v) Physics

XI. **IIT Madras (IITM):** Two-year Master of Science (M.Sc.) Programmes in (i) Chemistry, (ii) Mathematics, and (iii) Physics

XII. **IIT Patna (IITP):** Two-year Master of Science (M.Sc.) Programmes in (i) Chemistry, (ii) Mathematics, and (iii) Physics

XIII. **IIT Roorkee (IITR):** Two-year Master of Science (M.Sc.) Programmes in (i) Applied Geology, (ii) Biotechnology, (iii) Chemistry, (iv) Economics, (v) Mathematics, and (vi) Physics

XIV. **IIT Ropar (IITRPR):** Two-year Master of Science (M.Sc.) Programmes in (i) Chemistry, (ii) Mathematics, and (iii) Physics.

The academic programmes, their durations and number of seats available in various institutes with programme codes are listed in **Appendix-I**.

**Note: JAM 2016 may not admit Applicants for some programmes for which admission was through JAM 2015. However, to get admitted into these programmes, the Applicants must qualify JAM 2016 and apply separately to the concerned Institutes. The list of such programmes is given here.**

| Sl. No. | Programme | Offered by | JAM Test Papers |
|---------|-----------|------------|-----------------|
| 1 | Integrated Ph.D. in Chemical Sciences | IISc | BL, CY, PH |
| 2 | Integrated Ph.D. in Mathematical Sciences | IISc | MA, MS |
| 3 | Integrated Ph.D. in Physical Sciences | IISc | PH |
| 4 | M. Sc. - Ph.D. Dual Degree in Energy | IITB | CY, MA, PH |
| 5 | M.Sc. Chemistry | IITJ | CY |
| 6 | M.Sc. Mathematics | IITJ | MA |
| 7 | M.Sc. Physics | IITJ | PH |

## 4. TEST PAPERS AND MINIMUM EDUCATIONAL QUALIFICATIONS (MEQs) FOR ADMISSION

JAM 2016 examination will be conducted in seven subjects, also referred to as Test Papers, of Biological Sciences (BL), Biotechnology (BT), Chemistry (CY), Geology (GG), Mathematics (MA), Mathematical Statistics (MS) and Physics (PH). Applicants are advised to become familiar with the code(s) of the test paper(s) that they wish to appear as this information is required at the time of application form submission, at the time of examination, and later at the time of admission process.

The Minimum Educational Qualifications (MEQs) for admissions to various Academic Programmes covered under JAM are given in **Appendix-II**, along with the names of the Test Papers with their Codes and the Institute offering the Academic Programmes. Admission to each of the Academic Programmes shall be offered on the basis of merit in the corresponding Test Paper(s) of JAM 2016.

## 5. ELIGIBILITY REQUIREMENTS (ERs) FOR ADMISSION

The Applicants who qualify in JAM 2016 shall have to fulfill the following Eligibility Requirement (ER) for admissions in IISc and IITs.

- All Applicants admitted through JAM should have a Bachelor's degree.
- At least **55%** aggregate marks, **without rounding off**, (taking into account all subjects, including Languages and Subsidiaries, all years combined) for General/OBC-NCL Category Applicants and at least **50%** aggregate marks, **without rounding off**, (taking into account all subjects, including Languages and Subsidiaries, all years combined) for SC/ST and PwD Category Applicants in the qualifying degree.

For Applicants with letter grades/CGPA (instead of percentage of marks), the equivalence in percentage of marks will be decided by the Admitting Institute(s).

Proof of having passed the Qualifying Degree with the Minimum Educational Qualifications (MEQ) as specified by the admitting institute should be submitted by **September 30, 2016**.

At the time of admission, all admitted Applicants will have to submit a physical fitness certificate from a registered medical practitioner in the prescribed form. At the time of

admission, the admitted Applicants may also have to undergo a physical fitness test by a medical board constituted by the Admitting Institute. In case a candidate is not found physically fit to pursue his/her chosen course of study, his/her admission is liable to be cancelled.

**Note:**
(a) **It will entirely be the responsibility of the Candidate to prove that he/she satisfies the Minimum Educational Qualifications (MEQs) and Eligibility Requirements (ERs) for Admissions.**
(b) **The Admitting Institute has the right to cancel, at any stage, the admission of a candidate who is found to have been admitted to a course to which he/she is not entitled, being unqualified or ineligible in accordance with the rules and regulations in force.**

## 6. RESERVED SEATS

In every programme, a certain number of seats are reserved for Applicants belonging to various categories. The number of seats reserved under various categories in each of the programmes covered under JAM 2016 is given in **Appendix-I**. The category-wise list in a JAM paper will be prepared based on the category declared by the candidate in the application form. The final seat allotment will be done based on a valid Category Certificate (in the prescribed format) submitted along with the Application Form for Admission.

A candidate who seeks admission under SC/ST/OBC-NCL category must submit, along with the filled in application form for admission, the requisite certificate issued by a competent authority as specified in **Appendix-III**, failing which his/her candidature for admission will not be considered under the reserved category.

A candidate who seeks admission under the OBC-NCL Category must submit an OBC-NCL Certificate in the format shown in **Appendix-IV** along with the filled in application form for admission. **The candidate will be considered in the General Category in case the OBC-NCL Certificate is not in the prescribed format or has submitted an invalid certificate and no opportunity will be given to the candidate for late submission of the said certificate under any circumstances.**

For PwD Applicants with any category of disability (viz., blindness or low vision, hearing impairment, loco-motor disability, and/or cerebral palsy), benefit will be given to only those who have at least **40%** permanent physical impairment with respect to a body part/ system/ extremity/ whole body, etc. Such Applicants must submit, along with the filled in Application Form, the Certificate of Disability from a Government Medical Board and should be fit to pursue the Programme. The disability percentage of Applicants selected for admission under PwD category may also be required to be certified by a Medical Board, duly constituted by the Admitting Institute.

**Note:**
(a) **The provisions for the reserved seats given above are subject to modification in accordance with any Government Order, if issued subsequently by the Government of India.**
(b) **It will entirely be the responsibility of a candidate to prove his/ her eligibility for admission in terms of Minimum Educational Qualifications (MEQ), etc., and for claiming reservation under a specific category.**

## 7. APPLICATION PROCEDURE FOR APPLYING FOR ADMISSION

Applicants can apply for Admission based on JAM 2016 only through an online application process at JAM 2016 website **http://jam.iitm.ac.in/jam2016**. The application fee for the admission is Rs. 600/- for all Applicants. **The application fee for admission is non-refundable**.

Applicants can use their enrollment id and password for log into http://joaps.iitm.ac.in to view their scores and if they are qualified, they can start applying for admission by choosing "Apply for Admission".

The candidate needs to keep the following documents in the scanned PDF form ready for applying for admission:

A. Mandatory Documents for all:
    1. XII or HSC Marksheet
    2. Qualifying degree: Marksheets of all semesters/ years
B. Document for General Category:
    1. Nationality Certificate: Birth Certificate or Voter ID or First page of Passport or School Transfer Certificate (TC) showing Nationality or Nationality Certificate issued by the authorized government agency
    (Please note that any other documents viz. Aadhar Card, Ration Card, Driving License, College/ Institute/ School ID, Bank Passbook, PAN card, Marksheets are not considered as Nationality Certificate).
C. Other Documents:
    1. Category Certificate for OBC(NCL), SC, ST Applicants
    2. PwD Certificate for PwD Applicants

The photograph and signature uploaded during the time of applying for the JAM 2016 examination would be used for admission process. There is no need to re-upload the same.

Irrespective of whether a candidate has qualified in one or two Test Papers, **only one** duly completed Admission Form should be submitted listing, in the option form, all the programmes at IISc and IITs (along with the order of preferences) where the candidate is seeking admission.

The application fee for admission is Rs. 600/- and this amount has to be paid **ONLINE only** using credit card or debit card or netbanking. **No challan payment is accepted**. During the time of payment of fee, additional charges pertaining to the mode of payment would be added up.

Any application which is incomplete in any respect and does not have the required valid documents will be summarily rejected. The Applicants must take care to fill in the details in the application form correctly and must upload the correct and valid documents.

The Applicants are required to visit the **'How to Apply for admission?**' link in JAM 2016 website for more information on the application and payment processes. The Applicants are advised to visit the '**FAQ for JAM 2016 Admission'** section as well for additional queries.

**Note: The application form for admission will not be considered if the fee is not paid successfully on or before 27th April 2016. No further intimation regarding the rejection of application form for admission will be sent to candidate in this regard.**

## 8. RANK AND MERIT LIST

### 8.1 Rank List

For each test paper in JAM 2016, an All India Rank (AIR) will be assigned to all the appeared candidates based on the performance of the candidates in the test paper.

**Tie-Breaking:** The tie-breaking criterion for awarding the ranks to candidates scoring the same aggregate marks in a test paper will be as follows:

The candidate with a higher ratio of positive marks to negative marks will be given a higher rank. If this criterion fails to break ties, the candidates concerned will be awarded the same rank.

### 8.2 Merit List

The results (merit lists) will be declared on **March 23, 2016 (Wednesday)**. The results will be available on the website: **http://jam.iitm.ac.in/jam2016**.

For each test paper, an All India Merit list will be prepared based on AIR. The number of candidates included in the All India Merit List will depend on the total number of seats available in each category (OBC-NCL, SC, ST, and PwD) in a given subject. These candidates (henceforth called Qualified Candidates) are eligible to apply for admission to any of the corresponding academic programmes available (see **Appendix-I**) at IISc and IITs. Please note that the number of category-wise (OBC-NCL, SC, ST, and PwD) candidates included in the All India Merit List will be based on the category declared by the candidates in their application.

The **Score Card (indicating the All India Rank(s) and the mark(s) obtained by the candidate)** will be available for download in the JAM 2016 website from **March 30, 2016** to **July 31, 2016** to qualified candidates.

## 9. ADMISSION PROCEDURE

Only the candidates who **qualify** in JAM 2016 (whose names appear in the Merit List) will be eligible to apply for admission to any of the corresponding academic programmes available at IISc and IITs (refer to **Appendices-I & II** of this Information Brochure).

Candidates are advised, in their own interest, to refer to the brief profiles of the Admitting Institutes and Departments at their respective websites (Table 1). Candidates should note that they have to apply for admission by filling an online Application Form for Admission (henceforth called Admission Form) available only at JAM 2016 website.

Based on the test paper(s) qualified, a Candidate can apply to one or more academic programmes covered under that test paper(s), subject to fulfillment of the Minimum Educational Qualifications (MEQs) and the Eligibility Requirements (ERs) of the Admitting Institute(s). For the academic session 2016-17, the following admission procedure shall be followed for all the Programmes at IISc and IITs covered under JAM 2016. Qualified candidates who apply for admission through JAM 2016 are called Applicants. These applicants are advised to refer to the JAM 2016 website for latest updates.

**NOTE to OBC-NCL Applicants: Applicants must upload a valid OBC-NCL certificate in the prescribed format when they submit their application form for admission after the declaration of JAM 2016 results. The final seat allotment will be done based on the OBC-NCL certificate submitted along with the application form for admission.**

**The candidate will be considered in the General category in case the OBC-NCL Certificate is <mark>invalid</mark> or <mark>not in the prescribed format</mark> or <mark>sent/ uploaded after April 27, 2016</mark>.**

(i) The Admission Form will not be considered, if it is found to be **incomplete** in any respect or if the **payment is not successful**, irrespective of satisfying the ER and MEQ of any programme(s) for which the Admission Form has been submitted.

(ii) The Applicant will be considered for admission only to the programme(s), given in his/ her Admission Form.

(iii) Taking into consideration the order of preference as given in the Admission Form and corresponding rank(s) in the Merit List, the **First Admission List/ First Admission Round** for each programme under JAM 2016 will be prepared by the Organizing Institute and will be announced on **June 03, 2016 (Friday)** through JAM 2016 website/ SMS/ Email. Note: Applicants are requested to periodically check the website for knowing the status of the application/ offer.

(iv) Once offer is received, Applicants can log into http://joaps.iitm.ac.in and choose one of the three options viz.

a. Accept and Freeze     b. Accept with Upgrade     c. Reject and Quit

**Accept and Freeze:**  By choosing "Accept and Freeze", the Applicant accepts the offered seat and would not like to upgrade to his/ her higher preferences, if any, in the subsequent rounds (if applicable).  The applicant also will not be considered for admission in the subsequent rounds (if any).

**Accept with Upgrade**: By choosing "Accept with Upgrade", the Applicant accepts the offered seat and would like to upgrade to his/ her higher preferences in the subsequent rounds (if any).

**Reject and Quit**: By choosing "Reject and Quit", the Applicant rejects the offered seat and would not like to continue in the admission process by JAM 2016. The seat offered to the Applicant would be cancelled and he/ she will not be considered further in the JAM 2016 Admission process.

For "Accept and Freeze" and "Accept with Upgrade" decisions, the Applicant will be directed to ONLINE payment portal to pay the "Seat Booking Fee" of Rs. 10000 (Ten thousand only) for General/OBC-NCL category Applicants and Rs. 5000/- for SC/ST/PwD category Applicants) through **ONLINE ONLY** using credit card/ debit card/ netbanking (additional charges apply depending on mode of payment).  No challan payment is accepted. This amount will be transferred to the Admitting Institute and will be adjusted against the Institute Fee at the time of Admission.

For "Reject and Quit" decision, the Applicant will receive a One Time Password (**OTP**) in their registered mobile number. The OTP has to be entered to confirm the decision.

(v) If seats remain vacant after the first admission process is over, the Organizing Institute will prepare a **Second Admission List**. This second list will be announced by the Organizing Institute on **June 20, 2016 (Monday)** on JAM 2016 website/ SMS/ Email.

(vi) Applicants who have been offered admission through the Second List but not through the First List, must log into http://joaps.iitm.ac.in and choose one of the three options viz.

a. Accept and Freeze     b. Accept with Upgrade     c. Reject and Quit

As mentioned in (iii), for "Accept and Freeze" and "Accept with Upgrade" decisions, the Applicant will be directed to ONLINE payment portal to pay the "Seat Booking Fee" of Rs. 10000 (Ten thousand only) for General/OBC-NCL category Applicants and Rs. 5000/- for SC/ST/PwD category Applicants) through **ONLINE ONLY** using credit card/ debit card/ netbanking (additional charges apply depending on mode of payment). No challan payment is accepted. This amount will be transferred to the Admitting Institute and it will be adjusted against the Institute Fee at the time of Registration.

For "Reject and Quit" decision, the Applicant will receive a One Time Password (**OTP**) in their registered mobile number. The OTP has to be entered to confirm the decision.

(vii)  If the Applicant who was offered a seat during First List and is offered a seat from his/ her higher order of preference, the Applicant must log into http://joaps.iitm.ac.in and choose one of the three options viz.

a. Accept and Freeze     b. Accept with Upgrade     c. Reject and Quit

The Applicant **need not have to pay** Seat Booking Fee once again, for "Accept*" decisions.

(viii)  The Applicants who were offered a seat can CANCEL the offer during June 20th to June 25th, 2016 by login to http://joaps.iitm.ac.in and choose "**WITHDRAW**".

**Withdraw**: The Applicants who have accepted an offer of seat can cancel/ opt out of the programme/ withdraw from the programme by selecting "Withdraw". The Seat Booking Fee (if paid by them) would be refunded after deducting a Processing Fee of Rs. 1000/-.

(ix)  If seats remain vacant even after the second admission process is over, the Organizing Institute will prepare a **Third and Final Admission List**. This third and final list will be announced by the Organizing Institute on **July 04, 2016 (Monday)** through JAM 2016 website/ SMS/ Email.

(x)  The Applicant who were offered a seat (or upgraded to higher choice of preference) should report to the Admitting Institutes along with the documents required by the Admitting Institute based on their offer letter.

(xi)  **With the Third and Final Admission List, the admission process based on JAM 2016 will come to a close.**

(xii)  If a qualified candidate is allotted a seat through the First Admission List and if the offer of admission is accepted, the lower preferences of the candidate, if any, will be automatically cancelled. However, the candidate will remain on the waiting list for all the higher preferences (if any). Qualified Applicants, who are not allotted any seat in the First/ Second Admission List, will remain on the waiting list in the next round of admission(s).

**NOTE: If a qualified candidate fails to accept an admission offer, he/ she will not be considered further in the admission process.**

**Important Note:**

(a) **Verification of Minimum Educational Qualifications (MEQs) and the Eligibility Requirements (ERs) for admission is the prerogative of the Admitting Institute(s) only and the Organizing Institute will not respond to any queries in this regard.**

**(b) The offer of admission to a candidate will be provisional, subject to the fulfillment of all the requirements by the dates specified.**

**(c) Applicants should note that being in the Merit List of any test paper neither guarantees nor provides any automatic entitlement for admission. Admissions shall be made in order of merit and depending on the number of seats available at the Admitting Institute(s).**

## 14. PROFILE OF IISc and IITs

The profile of the admitting institutes covered under JAM 2016 can be seen at the websites of the respective institutions as given below in Table 1.

**Table 1: Website Addresses of IISc Bangalore and IITs**

| S.No. | Name of Institute | Website |
|-------|-------------------|---------|
| 1 | IISc Bangalore | gate.iisc.ernet.in/jam |
| 2 | IIT Bhubaneswar | www.iitbbs.ac.in |
| 3 | IIT Bombay | www.gate.iitb.ac.in/jam2016 |
| 4 | IIT Delhi | gate.iitd.ac.in |
| 5 | IIT Gandhinagar | www.iitgn.ac.in |
| 6 | IIT Guwahati | www.iitg.ernet.in/jam |
| 7 | IIT Hyderabad | www.iith.ac.in |
| 8 | IIT Indore | www.iiti.ac.in |
| 9 | IIT Kanpur | gate.iitk.ac.in/jam |
| 10 | IIT Kharagpur | jam.iitkgp.ac.in |
| 11 | IIT Madras | jam.iitm.ac.in/jam2016 |
| 12 | IIT Patna | www.iitp.ac.in/index.php/component/content/article/1674-jam-2016.html |
| 13 | IIT Roorkee | www.iitr.ac.in/jam |
| 14 | IIT Ropar | www.iitrpr.ac.in/jam |

## Appendix-I: Academic Programmes (and their Codes) Covered under JAM 2016 at Various Admitting Institutes for JAM 2016 Qualified Candidates*

### IISc Bangalore (Zone-11)*

| Integrated Ph.D. | Biological Sciences |
|---|---|
| [Programme code] Seats Available | [1101] 10+5+3+2 |
| Paper Code(s) | BL,BT |

### IIT Bombay (Zone-12)*

| M.Sc. (4 semesters) | Applied Geology | Applied Geophysics | Applied Statistics and Informatics | Biotechnology | Chemistry | Mathematics | Physics |
|---|---|---|---|---|---|---|---|
| [Programme code] Seats Available | [1201] 17+9+5+3 GEN(1) | [1202] 10+6+3+1 OBC(1) | [1203] 19+10+5+3 | [1204] 14+8+4+2 GEN(1) | [1205] 23+12+7+3 OBC(1) | [1206] 15+8+5+2 SC(1) | [1207] 20+10+6+4 |
| Paper Code(s) | GG | PH | MS | BT | CY | MA | PH |

| M.Sc. – Ph.D. dual degree | Environmental Science and Engineering | Operations Research |
|---|---|---|
| [Programme code] Seats Available | [1213] 5+3+1+1 GEN(1) | [1214] 6+3+2+1 ST(1) |
| Paper Code(s) | BT,CY,MA,PH | MA,MS |

| M.Sc.-M.Tech. (8 semesters) | M.Sc.(Physics)-M.Tech. (Materials Sciences with specialization in Nano-Science & Technology) |
|---|---|
| [Programme code] Seats Available | [1216] 4+2+1+1 GEN(1) |
| Paper Code(s) | PH |

### IIT Delhi (Zone-13)*

| M.Sc. (4 semesters) | Chemistry | Mathematics | Physics |
|---|---|---|---|
| [Programme code] Seats Available | [1301] 27+15+8+4 GEN(1), ST(1) | [1302] 27+15+8+4 GEN(1), OBC(1) | [1303] 27+15+8+4 GEN(1) |
| Paper Code(s) | CY | MA | PH |

### IIT Guwahati (Zone-14)*

| M.Sc. (4 semesters) | Chemistry | Mathematics and Computing | Physics |
|---|---|---|---|
| [Programme code] Seats Available | [1401] 24+13+7+4 GEN(1), SC(1) | [1402] 24+13+7+4 GEN(1) | [1403] 24+13+7+4 OBC(1) |
| Paper Code(s) | CY | MA | PH |

### IIT Kanpur (Zone-15)*

| M.Sc. (4 semesters) | Chemistry | Mathematics | Physics | Statistics |
|---|---|---|---|---|
| [Programme code] Seats Available | [1501] 20+11+6+3 GEN(1) | [1502] 20+11+6+3 SC(1) | [1503] 15+8+5+2 OBC(1) | [1504] 25+14+7+4 GEN(1) |
| Paper Code(s) | CY | MA | PH | MS |

| M.Sc.- Ph.D. dual degree | Physics |
|---|---|
| [Programme code] Seats Available | [1505] 8+4+2+1 |
| Paper Code(s) | PH |

**IIT Kharagpur (Zone-16)***

| Joint M.Sc.- Ph.D. | Chemistry | Geology | Mathematics | Physics | Geophysics |
|---|---|---|---|---|---|
| [Programme code]<br>Seats Available | [1601]<br>23+12+7+4<br>SC(1) | [1602]<br>15+8+5+2<br>OBC(1) | [1603]<br>15+8+5+2<br>GEN(1) | [1604]<br>23+12+7+4<br>SC(1) | [1605]<br>12+6+4+2<br>GEN(1) |
| Paper Code(s) | CY | GG | MA | PH | GG,PH |

**IIT Madras (Zone-17)***

| M.Sc. (4 semesters) | Chemistry | Mathematics | Physics |
|---|---|---|---|
| [Programme code]<br>Seats Available | [1701]<br>27+15+8+4<br>GEN(1) | [1702]<br>27+15+8+4<br>GEN(1) | [1703]<br>22+12+7+3<br>GEN(1), OBC(1), SC(1) |
| Paper Code(s) | CY | MA | PH |

**IIT Roorkee (Zone-18)***

| M.Sc. (4 semesters) | Applied Geology | Biotechnology | Chemistry | Mathematics | Physics | Economics |
|---|---|---|---|---|---|---|
| [Programme code]<br>Seats Available | [1801]<br>8+4+2+1<br>SC(1) | [1802]<br>18+10+6+3<br>SC(1) | [1803]<br>12+7+4+2<br>SC(1) | [1804]<br>15+8+5+2<br>SC(1) | [1805]<br>12+7+4+2<br>SC(1) | [1806]<br>15+8+5+2<br>SC(1) |
| Paper Code(s) | GG | BT | CY | MA | PH | MA,MS |

**IIT Bhubaneswar (Zone-19)***

| Joint M.Sc.-Ph.D. | Chemistry | Mathematics | Physics | Geology | Atmosphere and Ocean Sciences |
|---|---|---|---|---|---|
| [Programme code]<br>Seats Available | [1901]<br>10+5+3+2<br>SC(1) | [1902]<br>10+5+3+2<br>GEN(1) | [1903]<br>10+5+3+2<br>OBC(1) | [1904]<br>10+5+3+2 | [1905]<br>10+5+3+2 |
| Paper Code(s) | CY | MA | PH | GG | CY,GG,MA,MS,PH |

**IIT Gandhinagar (Zone-20)***

| M.Sc. (4 semesters) | Chemistry | Mathematics | Physics |
|---|---|---|---|
| [Programme code]<br>Seats Available | [2001]<br>10+5+3+2<br>GEN(1) | [2002]<br>15+9+4+2<br>OBC(1) | [2003]<br>15+8+5+2 |
| Paper Code(s) | CY | MA | PH |

**IIT Hyderabad (Zone-21)***

| M.Sc. (4 semesters) | Chemistry | Mathematics/ Mathematics and Computing | Physics |
|---|---|---|---|
| [Programme code]<br>Seats Available | [2101]<br>15+8+5+2 | [2102]<br>8+4+2+1<br>OBC(1) | [2103]<br>10+5+3+2<br>OBC(1) |
| Paper Code(s) | CY | MA | PH |

**IIT Indore (Zone-22)***

| M.Sc. (4 semesters) | Chemistry | Physics | Mathematics |
|---|---|---|---|
| [Programme code] Seats Available | [2201] 12+6+4+2 | [2202] 12+6+4+2 | [2203] 6+3+2+1 |
| Paper Code(s) | CY | PH | MA |

**IIT Ropar (Zone-23)***

| M.Sc. (4 semesters) | Mathematics | Chemistry | Physics |
|---|---|---|---|
| [Programme code] Seats Available | [2301] 5+3+1+1 GEN(1) | [2302] 6+3+2+1 | [2303] 5+3+1+1 |
| Paper Code(s) | MA | CY | PH |

**IIT Patna (Zone-25)***

| M.Sc. (4 semesters) | Chemistry | Mathematics | Physics |
|---|---|---|---|
| [Programme code] Seats Available | [2501] 7+4+2+1 GEN(1) | [2502] 7+4+2+1 GEN(1) | [2503] 7+4+2+1 GEN(1) |
| Paper Code(s) | CY | MA | PH |

*The number of seats is subject to change
Note: OBC refers to OBC(NCL) category

## Explanation of Entries in Cells (Appendix – I)

[1701] ——→ Programme Code

GEN Seats ←—— 27 + 15 + 8 + 4 ——→ ST Seats

OBC Seats ←—— ——→ SC Seats

GEN(1)

↓

Category of PwD Reservation (No. of Seats)

13
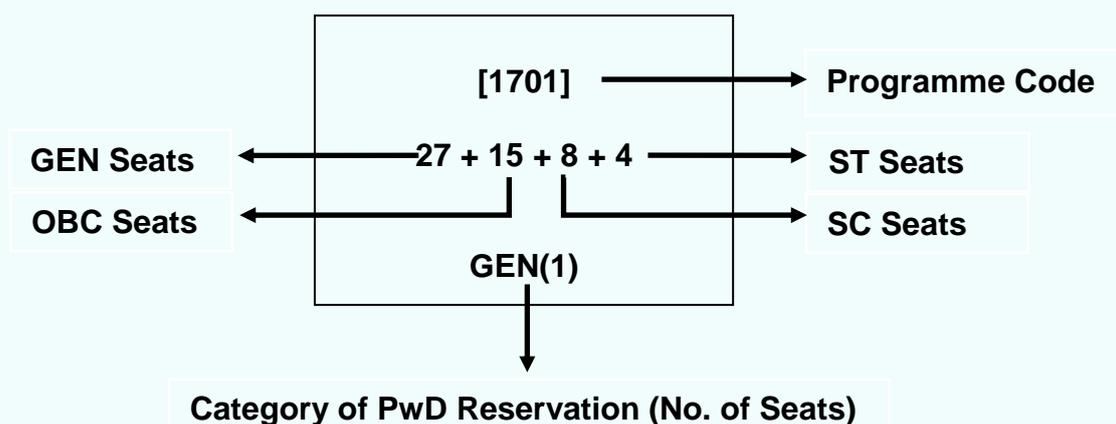
**Appendix-II: Test Papers and their Codes, corresponding Academic Programmes offered by the Admitting Institutes and their Minimum Educational Qualifications for Admission**

| Test Paper (Test paper code) | Academic Programme(s) | Institute(s) | Minimum Educational Qualification(s) for Admission | |
|---|---|---|---|---|
| | | | **Essential subjects in Bachelor's Degree along with minimum duration** | **Essential subjects at (10+2) level** |
| **Biological Sciences (BL)** | Integrated Ph.D. in Biological Sciences | IISc | Biology/ Chemistry/ Physics/ Mathematics | Biology |
| **Biotechnology (BT)** | Integrated Ph.D.in Biological Sciences | IISc | Biology/ Chemistry/ Physics/ Mathematics | Biology |
| | M.Sc. Biotechnology | IITB, IITR | Any Branch/ Subject | Mathematics |
| | M.Sc.- Ph.D. Dual Degree in Environmental Science and Engineering | IITB | Any one of Biology, Biotechnology, Chemistry, Mathematics and Physics for two years/ four semesters, and any one of the other four subjects for at least one year/ two semesters | |
| **Chemistry (CY)** | M.Sc. Chemistry | IITB, IITD, IITG, IITGN, IITH, IITI, IITK, IITM, IITP, IITR, IITRPR | Chemistry for three years/ six semesters | Mathematics |
| | Joint M.Sc.- Ph.D. in Chemistry | IITBBS, IITKGP | | |
| | M.Sc.- Ph.D. Dual Degree in Environmental Science and Engineering | IITB | Any one of Biology, Biotechnology, Chemistry, Mathematics and Physics for two years/four semesters, and any one of the other four subjects for at least one year/ two semesters | Mathematics |
| | Joint M.Sc.- Ph.D. in Atmosphere and Ocean Sciences | IITBBS | Mathematics and Physics with any one of these subjects among Chemistry, Computer Science, Computer Application, Geology and Statistics | No Restrictions |
| **Geology (GG)** | M.Sc. Applied Geology | IITB, IITR | Geology for three years/ six semesters and any two subjects among Mathematics, Physics, Chemistry and Biological Science | Mathematics |
| | Joint M.Sc.- Ph.D. in Geophysics | IITKGP | Geology as a subject for three years/ six semesters and any two subjects among Mathematics, Physics and Chemistry | |
| | Joint M.Sc.- Ph.D. in Geology | IITKGP, IITBBS | | |
| | Joint M.Sc.- Ph.D. in Atmosphere and Ocean Sciences | IITBBS | Mathematics and Physics and any one of these subjects among Chemistry, Computer Science, Computer Application, Geology and Statistics | No Restrictions |

| Test Paper (Test paper code) | Academic Programme(s) | Institute(s) | Minimum Educational Qualification(s) for Admission | |
|---|---|---|---|---|
| | | | Essential subjects in Bachelor's Degree along with minimum duration | Essential subjects at (10+2) level |
| **Mathematics (MA)** | M.Sc. in Economics | IITR | Mathematics as one of the core subjects | No Restrictions |
| | M.Sc. Mathematics | IITB, IITD, IITGN, IITI, IITK, IITM, IITP, IITR, IITRPR | Mathematics for at least two years/ four semesters | |
| | M.Sc. Mathematics/ Mathematics and Computing | IITH | | |
| | M.Sc. Mathematics and Computing | IITG | | |
| | Joint M.Sc.- Ph.D. in Mathematics | IITBBS, IITKGP | Mathematics/ Statistics as a subject for at least two years/ four semesters. | |
| | M.Sc.- Ph.D. Dual Degree in Operations Research | IITB | | |
| | M.Sc.- Ph.D. Dual Degree in Environmental Science and Engineering | IITB | Any one of Biology, Biotechnology, Chemistry, Mathematics and Physics for two years/ four semesters, and any one of the other four subjects for at least one year/ two semesters. | Mathematics |
| | Joint M.Sc.- Ph.D. in Atmosphere and Ocean Sciences | IITBBS | Mathematics and Physics and any one of these subjects among Chemistry, Computer Science, Computer Application, Geology and Statistics | No Restrictions |
| **Mathematical Statistics (MS)** | M.Sc. in Economics | IITR | Mathematics as one of the core subjects | No Restrictions |
| | M.Sc. Applied Statistics and Informatics | IITB | Mathematics or Statistics for at least two years/ four semesters | |
| | M.Sc.- Ph.D. Dual Degree in Operations Research | IITB | | |
| | M.Sc. Statistics | IITK | Statistics for at least two years/ four semesters | |
| | Joint M.Sc.- Ph.D. in Atmosphere and Ocean Sciences | IITBBS | Mathematics and Physics and any one of these subjects among Chemistry, Computer Science, Computer Application, Geology and Statistics | |

| Test Paper (Test paper code) | Academic Programme(s) | Institute(s) | Minimum Educational Qualification(s) for Admission | |
|---|---|---|---|---|
| | | | Essential subjects in Bachelor's Degree along with minimum duration | Essential subjects at (10+2) level |
| **Physics (PH)** | M.Sc. Physics | IITB, IITD, IITG, IITGN, IITH, IITI, IITK, IITM, IITP, IITR, IITRPR | Physics for at least two years/ four semesters and Mathematics for at least one year/ two semesters | No Restrictions |
| | Joint M.Sc.- Ph.D. in Physics | IITBBS, IITKGP | | |
| | M.Sc.- Ph.D. Dual Degree in Physics | IITK | | |
| | M.Sc.(Physics)-M.Tech (Materials Sciences with specialization in Nano-Science & Technology) | IITB | | |
| | M.Sc. Applied Geophysics | IITB | Physics and Mathematics/ Mathematical Physics for two years/four semesters and at least one of them as subject for three years/ six semesters | |
| | Joint M.Sc.- Ph.D. in Atmosphere and Ocean Sciences | IITBBS | Mathematics and Physics and any one of these subjects among Chemistry, Computer Science, Computer Application, Geology and Statistics | |
| | Joint M.Sc.- Ph.D. in Geophysics | IITKGP | Geology as a subject for three years/ six semesters and any two subjects among Mathematics, Physics and Chemistry | Mathematics |
| | M.Sc.- Ph.D. Dual Degree in Environmental Science and Engineering | IITB | Any one of Biology, Biotechnology, Chemistry, Mathematics and Physics for two years/ four semesters, and any one of the other four subjects for at least one year/ two semesters | |

# Appendix-III

## AUTHORITIES WHO MAY ISSUE SC / ST / OBC (NON CREAMY LAYER) CERTIFICATES

SC/ST/OBC (Non-Creamy Layer) candidates should submit a certificate issued by any of the following authorities:

District Magistrate / Additional District Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector /1st Class Stipendary Magistrate / Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of 1st class Stipendary Magistrate) / Chief Presidency Magistrate / Additional Chief Presidency   Magistrate / Presidency Magistrate / Revenue Officer not below the rank of Tahsildar / Sub-Divisional Officer of the area where the candidate and / or his / her family normally resides / Administrator / Secretary to Administrator / Development Officer (Lakshadweep Island).
**(Certificate issued by any other authority will be rejected)**

# Appendix-IV: Proforma for Other Backward Class (Non-Creamy Layer) Certificate

**(FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR ADMISSIONS TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs) UNDER THE GOVERNMENT OF INDIA)**

This is to certify that Shri/Smt./Kumari _____ Son/Daughter of _____ of Village/Town _____ in District/Division _____ in the State/Union Territory _____ belongs to the _____ Community which is recognized as a backward class under the Government of India, Ministry of Social Justice and Empowerment's Resolution No. _____dated _____*.

Shri/Smt./Kumari _____ and/or his/her family ordinarily reside(s) in the _____ District/Division of _____ State/Union Territory.  This is also to certify that he/she **does not belong to the persons/sections (Creamy Layer)** mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT) dated 08.09.1993 as amended from time to time.

District Magistrate,

Dated:                                                                                                              Deputy Commissioner, etc.

Seal

_____

* - The authority issuing the certificate may have to mention the details of Resolution (Number and Date) of Government of India, in which the caste of the candidate is mentioned as OBC.

**NOTE:**
 (a) The term "Ordinarily" used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
 (b) The authorities competent to issue Caste Certificates are indicated below:
   (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of 1st Class Stipendiary Magistrate).
   (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
   (iii) Revenue Officer not below the rank of Tehsildar and
   (iv) Sub-Divisional Officer of the area where the candidate and / or his/her family resides.

| The date of issue of OBC (NCL) certificate should be after March 31, 2015 |
| --- |

# IMPORTANT DATES FOR JAM 2016 ADMISSION

| | |
|---|---|
| Submission of Application Form for Admission on the JAM 2016 Website | April 15 - 27, 2016 |
| Last Date for receipt of request for change of category in proper format/ rectification of defective documents at IIT Madras | May 10, 2016 (Tuesday) |
| Declaration of First Admission List | June 03, 2016 (Friday) |
| Last Date for Payment of Seat Booking Fee through Online Process | June 8, 2016 (Wednesday) |
| Declaration of Second Admission List | June 20, 2016 (Monday) |
| Last Date for Payment of Seat Booking Fee through Online Process | June25, 2016 (Saturday) |
| Opening and closing of withdrawal option | June 20 - 25, 2016 |
| Declaration of Final Admission List (*) | July 4, 2016 (Monday) |
| JAM 2016 Admission Closure | July 4, 2016 (Monday) |

(*) Applicants who are offered a seat should report to Admitting Institutes along with the documents specified in the Offer of Admission from Admitting Institutes.

**Note:** **Information/ OTP regarding admission by JAM 2016 will be sent by SMS also. So, you are advised to keep JAM 2016 Sender Id unblocked.**

# CONTACT ADDRESSES OF JAM OFFICES

| Institute | E–mail | Website | Phone / Fax |
|---|---|---|---|
| IISc Bangalore, Bengaluru-560012 | jam@gate.iisc.ernet.in | gate.iisc.ernet.in/jam | (080) 22932392/ 23601227 |
| IIT Bombay, Mumbai-400076 | jam@iitb.ac.in | www.gate.iitb.ac.in/jam2016 | (022) 25767022/ 25722674 |
| IIT Delhi, Hauz Khas, New Delhi-110016 | chrjam@admin.iitd.ac.in | gate.iitd.ac.in/jam | (011) 26591749/ 26581579 |
| IIT Guwahati, Guwahati-781039 | jam@iitg.ernet.in | www.iitg.ernet.in/jam | (0361) 2582751/ 2582755 |
| IIT Kanpur, Kanpur-208016 | jam@iitk.ac.in | gate.iitk.ac.in/jam | (0512) 2597412/ 2590932 |
| IIT Kharagpur, Kharagpur-721302 | gate@adm.iitkgp.ernet.in | jam.iitkgp.ac.in | (03222) 282091/ 278244 |
| IIT Madras, Chennai-600036 (Organizing Institute) | jamadm@iitm.ac.in | jam.iitm.ac.in | (044) 22578200/ 22578204 |
| IIT Roorkee, Roorkee-247667 | jam@iitr.ac.in | www.iitr.ac.in/jam | (01332) 284531/ 285707 |
| IIT Bhubaneswar, Bhubaneswar-751013 | chairman.jam@iitbbs.ac.in | www.iitbbs.ac.in | |
| IIT Gandhinagar, Palaj, Gandhinagar-382355 | academics@iitgn.ac.in | www.iitgn.ac.in/jam/index.htm | +919099074870 |
| IIT Hyderabad, Hyderabad-502285 | dean_academics@iith.ac.in | www.iith.ac.in | (040)23016026/ 23016147 |
| IIT Indore, Khandwa Road, Simrol, Indore-452020 | gatechairman@iiti.ac.in | www.iiti.ac.in | (0731) 2438733/ 2438734 |
| IIT Patna, Bihta, Patna -801103 | pic_jam@iitp.ac.in | www.iitp.ac.in/index.php/component/content/article/1674-jam-2016.html | |
| IIT Ropar, Rupnagar-140001 | deanpg@iitrpr.ac.in | http://www.iitrpr.ac.in/jam | (01881)-242186/ 223395 |

### JAM 2016 Website:
**jam.iitm.ac.in/jam2016**

## IMPORTANT NOTE

- In all matters concerning JAM 2016, the decision of the **Organizing Institute** or the **Organizing Chairman, JAM 2016** will be final and binding on all the applicants.

- Although JAM 2016 is held at different centres across country, **Indian Institute of Technology Madras** is the **Organizing Institute**, and has the overall responsibility of conducting JAM 2016. In case of any claims or disputes arising in respect of JAM 2016, it is hereby made absolutely clear that the Madras High Court alone shall have the exclusive jurisdiction to entertain and settle any such disputes and claims.