INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY (IIST)

(Declared as Deemed to be University under Sec 3 of UGC Act, 1956)

Department of Space, Government of India

IIST ADMISSION TEST (ISAT-2010)

INFORMATION IN A NUTSHELL

1. The total number of seats for all the Undergraduate programmes in IIST for the academic year 2010-11 is 156. The seat matrix for different programmes are as follows:

   B Tech in Aerospace Engineering: 52; B Tech in Avionics: 65; B Tech in Physical Sciences: 39.
   Reservation to different categories will be governed by Govt. of India Rules.

2. Candidates for IIST Admission Test (ISAT-2010) have to visit IIST website (www.iist.ac.in/IIST/ISAT2010/) or the alternate site, (http://www.isac.gov.in/iist/) for applying.

3. The Examination Fee for male candidates in GEN and OBC categories is Rs. 500/-. For SC, ST, PD and female candidates in all categories, the fee is Rs. 250/-. Examination Fee is to be paid using a Demand Draft drawn on a Nationalised Bank in favour of "The Registrar, IIST", payable at "Thiruvananthapuram". The fee is non-refundable.

4. Please make sure that you fulfill all the eligibility criteria before applying for ISAT-2010.

5. Options once exercised in the ISAT-2010 application form cannot be changed at a later stage.

6. Candidates seeking admission to ISAT-2010 are required to first fill up the "ISAT-2010 REGISTRATION" available online. The ISAT-2010 online registration will be open from 21 December, 2009 at 10 A.M and close at 11:30 P.M on 31 January, 2010.

7. The application procedure requires the candidate's valid email id. Please keep the email id live and secure till the end of the admission process.

8. A password will be sent to the candidate's registered email address after the candidate successfully completes the "ISAT-2010 REGISTRATION". The candidate is requested not to delete the email which has the login id and password information.

9. Using the above login id and password, the candidate will have to fill up the "ISAT-2010 APPLICATION FORM", available online. Before submitting the online application form, keep the Demand Draft towards Examination Fee, ready.

10. The candidate has to choose any three different cities, in the order of preference, from the following 30 **Test Centres**:

Ahmedabad, Allahabad, Bangalore, Bhopal, Calicut, Chandigarh, Chennai, Cuttack, Dehradun, Delhi, Dispur, Hubli, Hyderabad, Imphal, Jaipur, Jodhpur, Kolkata, Lucknow, Madurai, Mumbai, Nagpur, Panaji, Patna, Ranchi, Raipur, Shillong, Silchar, Srinagar, Thiruvananthapuram and Visakhapatnam.

The final allocation of Test Centre for the candidates will be done by Chairman, ISAT-2010.

11. Candidates have to note down the ISAT Registration Number made available after online submission of application and quote the same for all future correspondences with IIST.

12. On the successful online submission of Application, the candidate will be asked to print "ISAT-2010 ADMIT CARD" and the "APPLICATION FORM".

13. The candidate must affix one recent passport size colour photograph on the ISAT-2010 ADMIT CARD. The photograph and signature should be duly attested with office seal either by the Principal of the School last attended or a Gazetted Officer. The candidate also has to affix an identical photograph (unattested) in the "APPLICATION FORM" and duly sign in the space provided.

14. The completed ISAT-2010 ADMIT CARD and the "APPLICATION FORM" along with the DD should be sent to the **"The Chairman, ISAT-2010, Indian Institute of Space Science and Technology, ISRO P.O., Thiruvananthapuram-695 022"** by speed post so as to reach by 5 p.m. on **February 8, 2010**. The envelope containing the above documents must be superscribed "Application for ISAT-2010".

15. The candidate will receive a Hall Ticket from IIST with the assigned Roll Number, details of the allotted Test Centre and other relevant information. The candidates are required to bring the Hall Ticket for the ISAT-2010 examination, without fail.

16. No acknowledgement card will be sent to the candidates. The status of the application will be displayed on the IIST website after 15 February 2010. The candidate can check the status by using the IIST login id and ISAT-2010 Password.

17. For all enquiries, candidates may visit the IIST website (www.iist.ac.in/IIST/ISAT2010/), use the email address: isat2010@iist.ac.in, the phone numbers: 0471 2564831, 0471 2564832 or the fax number: 0471 2564831.

I. INTRODUCTION

The Indian Institute of Space Science and Technology (IIST), a Deemed to be University under Section 3 of the UGC Act 1956, was set up under the Department of Space, Government of India in the academic year, 2007-08. The Institute now offers undergraduate (B Tech) programmes in Aerospace Engineering, Avionics, and Physical Sciences. In addition to the regular curriculum similar to the general syllabi of Science and Engineering courses, the programmes will have special modules tailored to space technology and space science.

The Institute is being developed as a centre of excellence in the area of advanced space science and technology with Post-Graduate, Doctoral and Post-Doctoral programmes in the niche areas of Space Science, Technology and Applications to cater to the sophisticated technological requirements of ISRO. In this institute, the education is fully integrated with the high technology research work being carried out at ISRO Centres. This is being achieved by making the best use of the R&D infrastructure of the Department of Space/ Indian Space Research Organisation (ISRO) besides creating its own resources to train the young minds in high technology areas.

The institute is equipped with a full-fledged infrastructure of international standards to create an excellent academic and research ambience. The students will have ample opportunity for scientific and academic interaction with eminent scientists and technologists in the country and abroad, with the brightest among them taking part in academic exchange programmes between IIST and international Universities/institutions of repute. Along with the excellent infrastructure provided in IIST, the institute is also endowed with faculty members of fine academic excellence who not only nurture an excellent scholastic atmosphere here, but also act as mentors and counsellors to the students. The institute adopts modern methods of learning with a good mix of practical, tutorial and lectures in its curriculum. Within a short time, the Institute will have special satellite-based connectivity with higher bandwidth, enhancing its readiness for distant education delivery from premier institutions and research laboratories from within and outside the country.

The institute presently functions from a specially created Alternative Campus, adjacent to the Vikram Sarabhai Space Centre, Thiruvananthapuram. IIST's permanent campus is being established at Valiamala, about 20 kms from Thiruvananthapuram city. The first phase of this modern campus, set in a beautiful natural landscape, will be ready for occupation by early 2010. The campus shall house Academic Blocks with classrooms, research laboratories and computer centres, Library,

Administrative Block, Convocation Area, Student Activity Centre, Sports facilities, Hostels, and residential area for faculty & non-teaching staff.

At present, IIST has 436 students and 54 faculty members, maintaining a student-faculty ratio of about 8:1. The ratio is expected to improve to 5:1 with the ongoing process of induction of more faculty members. IIST has introduced a very effective mentoring system to guide, support and enhance the student learning process.

II. ABOUT B.TECH PROGRAMMES AT IIST

Aerospace Engineering: B.Tech in Aerospace Engineering programme is similar to programmes with identical title offered by many reputed Institutions in India and abroad. The programme in IIST is oriented towards the needs of space technology, and has significant overlap with Mechanical Engineering including Mechanical Design and Manufacturing Science and Space Dynamics. People with B.Tech Degree in Aerospace Engineering can further specialize in Flight Mechanics, Aerodynamics, Thermal and Propulsion, Structure and Design and Manufacturing Science.

Avionics: Avionics means electronics used in aerospace systems. The students get to learn what is generally covered in a typical Electronics and Communications programme and in addition, get exposure to Advanced Electronics in digital and communication, control systems and computer systems used in aerospace systems. People with B. Tech Avionics Degree can later specialize in areas like DSP, RF & Communication, Antenna, Power electronics, micro electronics, control system etc.

Physical Sciences: B. Tech in Physical Sciences is oriented towards application of basic sciences in Space Science, Space Technology and Space Application. The programme lays a strong foundation in Physics, Chemistry, and Mathematics and gives exposure to important applications of space technology such as Remote Sensing and GIS, Astronomy and Astrophysics, and Earth System Sciences. People with B. Tech Degree in Physical Science can later specialize in areas like Atmospheric and Ocean Sciences, Solid Earth Science, Astronomy and Astrophysics, Remote Sensing & GIS, and Chemical Systems. The curriculum will have the best blend of basic science and engineering.

Every student who completes the B.Tech programme of IIST, meeting specified academic standards, will be absorbed in ISRO as Scientist/Engineer SC. To be thus eligible for absorption in

ISRO, the student should have completed the B.Tech programme in four years with a minimum Cumulative Grade Point Average (CGPA) of 6.5 (out of a maximum of 10). Students who join IIST to pursue Undergraduate programme are required to furnish a bond to serve ISRO for five years immediately after completion of the programme. The maximum time limit allowed for successful completion of the programme is six years, but any extension beyond the normal four years renders the student ineligible for absorption in ISRO.

A student should earn 29 credits at the end of first year to continue his/her studies in IIST. Students who fail to earn at least 29 credits at the end of the first year will have to leave the academic programme and the Institute. Similarly students are required to earn 76 credits at the end of the second year and 124 credits at the end of the third year to continue their studies in IIST. The Institute makes every effort to support the weaker students by offering Winter and Summer courses every year.

III. ABOUT ISAT-2010

In the academic year 2010-11, admissions to the Undergraduate programme will be through the IIST Admission Test (ISAT-2010).

1. Schedule of ISAT-2010

The examination will be held on Friday, the April 16, 2010 as per details given below:

Paper-I: 10:00 AM – 12:00 Noon (IST)

Paper-II: 2:00 PM – 4:00 PM (IST)

The schedule will remain unaltered even if the above date is declared a public holiday.

2. Nature of Examination

All questions will be of objective type and will consist of three separate sections in Physics, Chemistry and Mathematics. The answer for each question is to be recorded on a specially designed machine-gradable sheet of paper. The candidate is expected to choose the correct answer options and record his/her response by darkening the appropriate bubble using hard black (HB) pencils only. Marking more than one answer for any given question will render the response invalid. Correct answers will be awarded three marks each. Every incorrect answer will be awarded one negative mark.

The detailed syllabi, based on which ISAT-2010 will be conducted, for the three subjects, namely, Physics, Chemistry and Mathematics are given in **APPENDIX-1**.

3. Test Centres

ISAT-2010 will be conducted in about thirty cities across India. Please see **APPENDIX-2** for the

list of Test Centres. While applying, candidates should choose any three different cities in the order of preference for writing the Admission Test. While all efforts will be made to allot the Test Centre based on the candidate's first preference itself, in some circumstances, it may become necessary to decide the allotment based on the second or third choice. Chairman, ISAT- 2010, however, reserves the right to allot any Test Centre, not opted by the candidate, without assigning any reason. There can be more than one Test Centre within a given city and the allotment of candidates to such Sub-Centre will be at the discretion of Chairman, ISAT-2010. The Test Centre or Sub-Centre, once allotted will be final and no requests for change will be entertained.

4. Fee: A Student seeking admission to ISAT-2010 is required to pay Examination Fee as under:

Male candidates in GEN and OBC categories   : Rs.500/-

SC, ST, PD candidates and female candidates in all categories   : Rs.250/-

 The payment is to be made in the form of a crossed Demand Draft drawn on any Nationalised Bank in favour of "The Registrar, IIST", payable at Thiruvananthapuram.

5. Use of calculating and communication aids

Use of electronic devices like mobile phone, calculator, I-Pod etc. are NOT PERMITTED in ISAT-2010. Materials like Log table, book, notebook, etc. are prohibited in the examination hall.

IV. ELIGIBILITY FOR ISAT-2010

Candidates must make sure that they satisfy all the eligibility conditions given below for appearing in ISAT-2010:

1. **Citizenship**

 Only Indian citizens are eligible to appear in ISAT-2010.

2. Date of Birth

 The date of birth of candidates belonging to GEN and OBC categories should be on or after October 1, 1985, while the date of birth of those belonging to SC, ST and PD categories should be on or after October 1, 1980.

The date of birth as recorded in the high school/first Board /or its equivalent will be accepted. If the certificate does not mention the date of birth, candidate must submit at the time of Counselling an authenticated document from competent authority indicating the date of birth.

3. Qualifying Examination (QE)

A candidate must have passed the QE for the first time, in the calendar year 2009 or 2010, provided the results are available before 1 July 2010. Those who are expecting the results of QE later than July 1,

2010 are not eligible to apply for ISAT-2010.

The qualifying examinations are listed below:

(i)   The final examination of the 10+2 system, conducted by any recognized Central / State Board, such as Central Board of Secondary Education, New Delhi; Council for Indian School Certificate Examination, New Delhi, etc.

(ii)   Intermediate or two-year Pre-University examination conducted by a recognized Board / University.

(iii)   Final examination of the two-year course of the Joint Services Wing of the National Defence Academy.

(iv)   General Certificate Education (GCE) examination (London / Cambridge / Sri Lanka) at the Advanced (A) level.

(v)   High School Certificate Examination of the Cambridge University or International Baccalaureate Diploma of the International Baccalaureate Office, Geneva.

(vi)   Any Public School/Board/University examination in India or in any foreign country recognized as equivalent to the 10+2 system by the Association of Indian Universities (AIU)

vii)   H.S.C. vocational examination.

viii)   Senior Secondary School Examination conducted by the National Institute of Open Schooling with a minimum of five subjects.

In case the relevant qualifying examination is not a public examination, the candidate must have passed at least one public (Board or Pre-University) examination at an earlier level.

4. Minimum Percentage of Marks in Class X or equivalent examination

Candidates belonging to GEN and OBC categories must have at least 70% in all subjects combined and those belonging to SC, ST and PD categories must have at least 60%.

5. Minimum Percentage of Marks in 10 + 2 or equivalent examination

• Candidates belonging to GEN and OBC categories must have at least 70% in aggregate in Physics, Chemistry and Mathematics (PCM) papers and those belonging to SC, ST and PD categories must have at least 60%.

• For both Class X and 10 +2 examinations, the percentage of marks awarded by the Board will be treated as final. If the Board provides the equivalent percentage of marks against grades, then the candidate has to base his/her calculations in percentage. If a Board awards only letter grades without providing an equivalent percentage of marks on the grade sheet, the candidate should obtain a certificate from the Board specifying the equivalent marks as percentages (total aggregate in Class X and PCM for Class 10 +2, and submit it at the time of counseling. Candidates should produce equivalence certificate if required at the time of counseling.

6. **Points to be noted**

 (i) The year of passing the Qualifying Examination is the year in which the candidate has passed, for the **first time**, any of the examinations listed in IV.3. above.

 (ii) The offer of admission is subject to verification of original certificates/ documents at the time of Counselling. If any candidate is found ineligible at a later date, even after admission to the Institute, his/ her admission will be cancelled.

(iii) If a candidate is expecting the results of the QE in 2010, he/she shall submit the relevant documents in support of passing the examination and obtaining 70% aggregate in Physics, Chemistry and Mathematics (60% in case of SC/ST candidates) on or before 1 July 2010.

(iv) If a candidate has passed any of the examinations listed in Clause 3 **for the first time** before the calendar year 2009, he/she is not eligible to appear in ISAT-2010.

(v) If a Board invariably declares the results of the QE late (only after July 1, every year), the candidate is advised to attempt ISAT in 2011 or later, unless he has already passed his/her QE in 2009.

(vi) The decision of "The Director, IIST" regarding the eligibility of any applicant shall be final.

V. RESERVATION OF SEATS

As per Government of India rules, candidates belonging to certain categories are admitted to seats reserved for them based on relaxed criteria. These categories are:

• Scheduled Castes (SC)

• Scheduled Tribes (ST)

• Other Backward Castes (OBC) belonging to Non-Creamy Layer (NCL)

•Persons with Disability.

Benefit of reservation shall be given only to those castes/ tribes which are recognized by the Government of India and are included in the respective central list published by the Department of

Personnel and Training.

1. SC/ST Candidates

15% and 7.5% of the total seats in each programme in IIST are reserved for SC and ST categories, respectively. Candidates belonging to these categories will be admitted on the basis of a relaxed criterion which is explained subsequently under the "Ranking Procedure". Candidates belonging to SC/ST categories will be required to produce the original caste/ tribe certificate issued by a competent authority in the prescribed format (APPENDIX-3). Certificates in any other format will not be accepted. These documents must be produced at the time of Counselling, failing which their candidature will not be considered for admission. Seats remaining vacant in these categories shall be left vacant and shall not be filled by candidates belonging to any other category.

2. OBC (NON-CREAMY LAYER)

For the purpose of reservation of seats in ISAT-2010, a candidate will be considered as OBC only if he/she belongs to the approved caste and satisfies the condition of non-creamy layer as defined by the Government of India. For candidates belonging to this category, 27% of the total seats in each programme are reserved and will be allotted based on a relaxed criterion. In case any of the reserved seats in this category are not filled, they can be filled by candidates belonging to GEN category. Those candidates belonging to the creamy layer are not entitled to the benefits of reservation. However, all such candidates may seek admission under General seats as per merit order.

The OBC candidates seeking the benefits of reservation will be required to produce the original caste certificate issued on or after January 1, 2010 by a competent authority in the prescribed format (APPENDIX–4). Certificates in any other format will not be accepted. The certificate must be produced at the time of Counselling, failing which they will NOT be considered for admission in the OBC Reserved category.

3. PD Candidates

For candidates belonging to PD category, 3 % reservation (horizontal reservation) of seats is allowed at IIST within the overall reservation.

VI. HOW TO APPLY FOR ISAT-2010

- Download a copy of the brochure from ISAT-2010 homepage and read the brochure carefully before applying.

- The application procedure requires the candidate's email id. Please keep the email id live and secure till the end of the admission process.

- Before submitting the online application form, keep the Demand Draft towards Examination Fee ready.

- Candidates can apply on-line, by logging on to ISAT-2010 website. On-line application portal will be open from 10.00 AM on 21 December 2009 and will be available up to 11.30 p.m. on 31st January 2010.

INSTRUCTIONS FOR SUBMISSION OF APPLICATION

Stage 1: Registration:

- Access IIST Website (www.iist.ac.in/IIST/ISAT2010/) or the alternate website, (www.isac.gov.in/iist/)

- Go to "New Registration"

- Enter Name, Email address, and other details asked for

- System will display an image ("CAPTCHA") and provide an input text box for entering the CAPTCHA. After entering the CAPTCHA successfully, candidate must click on "**Register**" button.

PLEASE VERIFY THAT ALL DETAILS ENTERED, ESPECIALY NAME AND EMAIL ID ARE CORRECT BEFORE CLICKING THE "**Register**" BUTTON.

- On successful completion of the log-in session, the system will generate a unique "ISAT-2010 Password" for each candidate. An email will be sent to the candidate mentioning the login id and Password. Please note that the log-in id is the same as the registered email id of the candidate. The candidate is advised not to delete the above email containing his/her login id and Password as they may be required for future use.

Stage 2: Online Submission of Application

- This stage can be activated only with the "ISAT-2010 Password". Please go to your mailbox to retrieve the password sent by ISAT-2010.

- To complete this stage, details of the Demand Draft (Examination Fee) are required. Keep the Demand Draft ready before entering this stage.

- For online Submission of Application, the candidate has to login to IIST site using login id (candidate's registered e-mail id) and "ISAT-2010 Password".

- Enter carefully all the data asked for. Help (Tool-tip) is provided wherever necessary to fill the form correctly.

- After the successful submission of the application, click "NEXT STEP" to preview the submitted information.

  PLEASE VERIFY THAT ALL DETAILS ENTERED ARE CORRECT BEFORE CLICKING THE SUBMIT BUTTON.

- Click "SUBMIT". The system will generate a unique Registration Number, which will have to be retained by the candidate for future reference.

- Click "GET MY ADMIT CARD". The PDF file of "ISAT-2010 ADMIT CARD" and "APPLICATION FORM" will be displayed for download and printing. Print the ADMIT CARD and APPLICATION FORM.

- The candidate will affix one recent passport size colour photograph in the ISAT-2010 ADMIT CARD. The photograph should be duly attested under official seal by the Principal of the School last attended or by a Gazetted Officer.

- The candidate must affix his signature and paste an unattested photograph on the space provided in the APPLICATION FORM. THE CANDIDATE MUST NOT SIGN ON THE PHOTOGRAPH.

Stage 3: Submission of Documents by Post

• The completed "ISAT-2010 ADMIT CARD" with attested photograph on it and the Application Form with the unsigned photograph, along with the DD should be sent to the Chairman, ISAT-2010 by Speed Post. Candidates are advised in their own interest not to send the documents by ordinary post or private courier services. The name and Registration Number of the candidate must be entered

on the reverse side of the Demand Draft.

- Please keep the postal receipt for future reference. One can also submit the documents in person at the IIST office. This completes your Application Process.

Last date for receipt of the documents

The last date for receipt of the Admit card, Application Form, and the DD at the IIST is 5:00 PM on **February 8, 2010**. Anything received later than this will not be accepted. Office of ISAT-2010 will not be responsible for any postal delay or loss during postal transit. No acknowledgement card will be sent regarding receipt of the documents.

VII. HALL TICKET

- Once the Admit Card, Application Form and the DD are received at ISAT- 2010 Office within the stipulated time, a Hall Ticket will be sent to the eligible candidates. The Hall Ticket will bear the Name, Roll number, Date of birth, Address and Category of the candidate, along with details of the venue of ISAT-2010 Test Centre/Sub-Centre allotted. Please note that the Roll Number will be different from the Registration number allotted earlier.
- ISAT-2010 office will not be responsible for any postal delay or irregularity resulting in non-delivery of the Hall Ticket. **No duplicate Hall Ticket will be issued**. The candidate should carefully examine the Hall Ticket received by him/her for the correctness of all the entries made therein. In case of any discrepancy, the candidate should inform the ISAT-2010 office immediately.
- **On receipt of the Hall Ticket, the candidate must paste on it a recent passport size colour photograph, identical to the one earlier submitted, in the space provided. The Hall Ticket with the photograph pasted on it must be brought to the Test Centre at the time of the examination.** Only those candidates, who hold valid Hall Ticket with photograph pasted on it will be allowed to write the Test. The candidate must report at the Test Centre at least 30 minutes before the scheduled commencement of the Test.
- In case the Hall Ticket is not received by **March 20, 2010, the candidate must immediately contact the ISAT-2010 office through telephone or e-mail.** After due verification, ISAT-2010 may issue appropriate instructions to facilitate the candidate to write the examination, subject to certain conditions. However, this cannot be claimed as a matter of right by the candidate. Since the successful candidates are required to produce the Hall Ticket at the time of Counselling and Admission to IIST,

it should be carefully preserved until the admission process to IIST is completed in all respects.

Identity Verification at the Test Centre

At the examination hall, the invigilator will verify the candidate's identity with respect to his/her details on the Hall Ticket and ISAT database. If the identity is in doubt, the candidate will not be allowed to appear in the Test. Any impersonation or other examination malpractices will lead to disqualification in ISAT-2010.

VIII. RESULTS OF ISAT-2010

1. Performance in ISAT-2010

The answer paper of ISAT-2010 is a machine-gradable Optical Response Sheet (ORS). These sheets are scrutinized and graded with extreme care after the examination. There is NO provision for re-grading and re-totalling. No photocopies of the machine-gradable sheets will be made available. No correspondence in this regard will be entertained.

Candidates will get to know their performance in ISAT-2010 through the Rank List/Category List through IIST websites in **May 2010.**

2. Ranking

Ranking of the ISAT-2010 candidates will be based on the following procedure:

(i)   Only those candidates who write both Paper-I and Paper-II of ISAT-2010 will be considered for the ranking. Marks in Physics in ISAT-2010 will be equal to marks in Physics section of Paper-I plus marks in Physics section of Paper-II. Similar procedure will be followed for Chemistry and Mathematics. The sum of the marks obtained in the three subjects in ISAT-2010 will be the aggregate mark for the candidate.

(ii) Let 'N' be the total number of "GENERAL" seats for all B.Tech programmes at IIST.

(iii) Let the average of the marks secured by all the candidates in Chemistry, Physics and Mathematics be μ_X, μ_Y, and μ_Z, respectively.

(iv) List subject wise (Chemistry, Physics and Mathematics) the marks secured by the first 'k * N' candidates where k = 20. Let the marks secured by the 'k*N th' candidate, in each subject list where k = 20, for Chemistry, Physics and Mathematics be 'X', 'Y' and 'Z', respectively. These 'X', 'Y' and 'Z', will form the cut-off marks for Chemistry, Physics and Mathematics. In the procedure outlined for "Rank List", "X", "Y", and "Z" are fixed.

(v) List the aggregates (of Chemistry, Physics and Mathematics) in the descending order. Remove from this list all who have secured less than the cut-off in Chemistry, Physics and Mathematics or scored less than the average in Chemistry, Physics and Mathematics. This forms the "Rank list". Please note that the number of candidates in the "Rank List" may be lower than "k * N".

(vi) A separate PD, SC, ST and OBC (non-creamy) list will be made based on the following relaxed criteria.

(vii) For candidates of PD category, having 3 % reservation within the overall reservation, the number of seats within PD will be distributed based on the overall reservation (GEN: 50.5 %, OBC (non-creamy): 27 %, SC: 15 %, ST: 7.5 %). The relaxed criteria (reduced cut off) applicable for a PD candidate will be 0.6 * X, 0.6 * Y, 0.6 * Z, respectively. Also, the PD candidates will have to secure marks in Chemistry, Physics and Mathematics which is equal to or greater than $0.6*\mu_X$, $0.6*\mu_Y$, and $0.6*\mu_Z$, respectively.

(viii) For candidates of SC and ST categories having 15 % and 7.5 % reservation, the relaxed criteria or reduced cut off will be 0.6 * X, 0.6 * Y, 0.6 * Z, respectively. Furthermore, they will have to secure marks in Chemistry, Physics and Mathematics which is equal to or greater than $0.6*\mu_X$, $0.6*\mu_Y$, and $0.6*\mu_Z$, respectively.

(ix) For candidates of OBC (non-creamy) category having 27 % reservation, the relaxed criteria or reduced cut off will be 0.9 * X, 0.9 * Y, 0.9 * Z, respectively. Furthermore, they will have to secure marks in Chemistry, Physics and Mathematics which is equal to or greater than $0.9*\mu_X$, $0.9*\mu_Y$, and $0.9*\mu_Z$, respectively.

(x)In the unlikely event of seats for the B.Tech programmes at IIST not being completely filled up, a further relaxation in the value of 'k' (k = 40) may be undertaken, which will result in reduced values for the cutoffs in Chemistry, Physics and Mathematics. However, all other aspects of the above outlined procedure will remain the same. Such a list will be called "The Additional Rank List" and will be used in the unlikely event of seats for the B.Tech programmes at IIST not being completely filled up.

(xi)While preparing the Rank List/Category List, if a candidate belongs to more than one category/
subcategory of relaxed norms, then he/she for the purpose of ranking shall be considered in all the categories in which he/she qualifies.
(xii)There will be no separate waiting list for the candidates.

3. Tie-break

The tie-break criteria in the Rank and Category lists adopted for awarding ranks to the candidates who have scored the same aggregate marks in ISAT-2010 are as follows:

1. Total score in Maths and Physics sections
2. Total score in Maths and Chemistry sections
3. Lower total negative score in all three sections
4. Lower total negative score in Maths and Physics sections.
5. Lower total negative score in Maths and Chemistry sections

The tie-break criteria will be adopted one after another in the order mentioned above. Candidates tied even after this procedure will be given the same rank.

IX. COUNSELLING AND ADMISSION

- The seats in various courses of the B. Tech programmes are allotted strictly on the basis of the Rank lists generated for each category and the options exercised by the candidate at the time of Counselling.

- Each candidate who is selected for admission to a B. Tech programme in IIST shall execute a Surety Bond (on a Non-Judicial paper costing Rs. 100) in the prescribed format duly signed by the student, parent and surety at the time of admission.

- Candidates who qualify in ISAT-2010 will have to submit a physical fitness certificate from a registered medical practitioner in the prescribed format that will be made available at the time of Counselling. Candidates will be admitted only if they are physically fit for pursuing a course of study at IIST.

- Further details of Counselling and Admission process will be published in the IIST website at the appropriate time.

X. FEE STRUCTURE

The expenditure per semester for tuition fees, hostel accommodation and boarding etc is borne fully by IIST for every student who scores a Grade Point Average (GPA) of at least 6 out of 10. In

addition, a book allowance of Rs 3000 is provided every semester to every student. If a student scores less than 6 GPA out of 10, he/she has to bear the expenditure of the next semester.

XI DISPUTE REDRESSAL

Any complaints, grievances, etc related to ISAT-2010 must be first referred to the Chairman, ISAT-2010. Director, IIST will be the appellate authority with respect to such complaints. The Courts having their jurisdiction at Thiruvananthapuram alone can adjudicate on all matters and disputes related to ISAT-2010.

APPENDIX-1

SYLLABUS AND SAMPLE QUESTIONS

Click here for Syllabus and Sample Questions

APPENDIX-2

LIST OF TEST CENTRES

Ahmedabad	Allahabad	Bangalore	Bhopal	Calicut
Chandigarh	Chennai	Cuttack	Dehradun	Delhi
Dispur	Hubli	Hyderabad	Imphal	Jaipur
Jodhpur	Kolkata	Lucknow	Madurai	Mumbai
Nagpur	Panaji	Patna	Ranchi	Raipur
Shillong	Silchar	Srinagar	Thiruvananthapuram	Visakhapatnam

APPENDIX-3

FORM OF CERTIFICATE TO BE PRODUCED BY SCHEDULED CASTES AND SCHEDULED TRIBES CANDIDATES

This is to certify that Shri/Shrimati/Kumari* _____ son/ daughter* of _____ village/Town* _____ in District/ Division* _____ of State/Union Territory* _____ belongs to the _____ Caste/Tribe* which is recognised as a Scheduled Caste/Scheduled Tribe* under :

The Constitution (Scheduled Castes) Order, 1950
*The Constitution (Scheduled Tribes) Order, 1950
*The Constitution (Scheduled Castes) (Union Territories) Order, 1951
*The Constitution (Scheduled Tribes) (Union Territories) Order, 1951

[As amended by the Scheduled Castes and Scheduled Tribes Lists (Modification Order) 1956, the Bombay Reorganisation Act, 1960, the Punjab Reorganisation Act,1966, the State of Himachal Pradesh Act, 1970, the North Eastern Areas (Reorganisation) Act, 1971, the Scheduled Castes and Scheduled Tribes Orders, (Amendment) Act, 1976 and the Scheduled Castes and Scheduled Tribes Orders (Amendment) Act, 2002].

*The Constitution (Jammu & Kashmir) Scheduled Castes Order, 1956; *The Constitution (Andaman and Nicobar Islands) Scheduled Tribes Order, 1959, as amended by the Scheduled Castes and Scheduled Tribes Order (Amendment) Act, 1976;

*The Constitution (Dadara and Nagar Haveli) Scheduled Castes Order, 1962;
*The Constitution (Dadara and Nagar Haveli) Scheduled Tribes, Order, 1962;
*The Constitution (Pondicherry) Scheduled Castes Order, 1964;
*The Constitution (Uttar Pradesh), Scheduled Tribes Order, 1967;
*The Constitution (Goa, Daman and Diu) Scheduled Castes Order, 1968;
*The Constitution (Goa, Daman and Diu) Scheduled Tribes Order, 1968;
*The Constitution (Nagaland) Scheduled Tribes Order, 1970;
*The Constitution (Sikkim) Scheduled Castes Order, 1978;
*The Constitution (Sikkim) Scheduled Tribes Order, 1978;
*The Constitution (Jammu and Kashmir) Scheduled Tribes Order, 1989;
*The Constitution (Scheduled Castes) Orders (Amendment) Act, 1990;
*The Constitution (Scheduled Tribes) Order (Amendment) Act, 1991;
*The Constitution (Scheduled Tribes) Order (Second Amendment) Act, 1991;

2. **This certificate is issued on the basis of the Scheduled Castes/Scheduled Tribes* Certificate issued to Shri/ Shrimati* _____ father/mother* of Shri/Shrimati/Kumari* _____ of Village/Town* _____ in District/Division* _____ of the State/Union territory* _____ who belong to the Caste/Tribe* which is recognised as a Scheduled Caste/Scheduled Tribe* in the State / Union Territory* _____ issued by the _____ dated _____ .

3. Shri / Shrimati / Kumari* _____ and/or* his/her* family ordinarily reside(s)** in Village/ Town* _____ of _____ District/Division* of the State/Union Territory* of _____

_____   Signature   Designation   (with seal of Office)

Place _____ State/Union Territory* _____ Date _____

* Please delete the word(s) which are not applicable.
** Applicable in the case of SCs, STs Persons who have migrated from one State/UT.

IMPORTANT NOTES

1. The term "ordinarily reside(s)** used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

2. Officers competent to issue Caste/Tribe certificates:

    (i)   **District Magistrate/Additional District Magistrate/Collector/Deputy Commissioner/Additional Deputy Commissioner/Deputy Collector/Ist Class Stipendiary Magistrate/City Magistrate/Sub-Divisional Magistrate/Taluka Magistrate/Executive Magistrate/Extra Assistant Commissioner.**

    (ii)   **Chief Presidency Magistrate/Additional Chief Presidency Magistrate/Presidency Magistrate.**

    (iii)   **Revenue Officers not below the rank of Tehsildar.**

    (iv)   **Sub-Divisional Officer of the area where the candidate and/or his family normally reside(s).**

    (v)   **Administrator/Secretary to Administrator/Development Officer (Lakshdweep island).**

3. Certificate issued by any other authority will be rejected.

APPENDIX-4

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

This is to certify that Shri/Smt./Kum. _____ Son/Daughter of Shri./Smt.

_____ of Village/Town

_____ District/Division _____

_____ , in the _____ State belongs to the

_____ Community, which is recognized as a backward class under the Government of

India, Ministry of Welfare, Resolution No. 12011/68/93-BCC(C) dated 10th September, 1993 published in the Gazette of

India Extraordinary Part-I Section-I, dated 13th September 1993 Shri/Smt./

Kum. _____ and / or his /her family ordinarily reside(s) in the

_____ District / Division of the _____ State. 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 revised from

time to time.

Date: _____

District Magistrate Deputy

Commissioner etc.

Seal

NOTE:

    (a)   The Term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the Peoples Act, 1950.

    (b)   Where the certificates are issued by Gazetted Officers of the Union Government or State Governments they should be in the same form but countersigned by the District Magistrate or Deputy Commissioner (Certificates issued by Gazetted Officers and attested by District Magistrate / Deputy Commissioner are not sufficient).

DECLARATION / UNDERTAKING FOR OBC CANDIDATES ONLY

I, _____ , son/daughter of Shri _____ resident

of village/town/city _____ _____ , district _____ , State _____

hereby declare that I belong to the _____ community which is recognized as a backward class

by the Government of India for the purpose of reservation if admission in Central Educational Institutions as per orders contained in

Department of Personnel and Training Office Memorandum No.36012/22/93-Estt. (SCT), dated 08/09/1993. It is also declared that I

do not belong to persons/sections (Creamy Layer) mentioned in Column 3 of the schedule to the above referred office Memorandum

dated 08.09.1993 as revised from time to time.

Place:

Date:

Signature of the Candidate

NOTE:

"The admission is provisional and is subject to the community certificate being verified through the proper channels. If the verification reveals that the claim of the candidate to belong to other Backward Classes or not to belong to creamy layer is false, his/her admission will be terminated forthwith without assigning any further reasons and without prejudice to such further action as may be taken under the provisions of Indian Penal Code for production of false certificates."