Date of Sale	Seal of Bank / Institution with Address	Initial of authorized sale clerk

CONTENTS

1. Introduction

1.1 Programme of Action (PoA), 1992 under the National Policy on Education (NPE), 1986 envisaged conduct of a common entrance examination on all India basis for admission to professional and technical programmes in the country. For admission to Engineering and Architecture/Planning programmes, Government of India vide Resolution dated 18th October 2001 has laid down a Three-Exam Scheme (JEE and AIEEE at the National Level and the State Level Engineering Entrance Examinations (SLEEE) for State Level Institutions with an option to join AIEEE). This takes care of varying admission standards in these programmes and helps in maintenance of professional standards. This also solves problems of overlaps and reduces physical, mental and financial burden on students and their parents due to multiplicity of entrance examinations.

1.2 The Ninth All India Engineering Entrance Examination (AIEEE) was held on 25th April, 2010. 1065100 candidates appeared, out of 1118148 candidates registered, for the examination at 1623 centres located in 86 cities. Approximately, 26816 seats for BE/B.Tech & 936 seats for B.Arch/B.Planning in various institutions, namely National Institutes of Technology, IIITs, Deemed Universities, Technical Institutions, Delhi Technological University, Delhi and other Govt. funded Institutions were offered through this examination A centralized online counselling had been organized for filling up the All India seats by the Central Counselling Board.

The States/Institutes listed below used AIEEE-2010 ranks to fill seats through their own counselling:- West Bengal, Himachal Pradesh, Haryana, Uttarakhand, Punjab University, Chandigarh, Punjab Engineering College, Chandigarh, Delhi Technological University, Delhi and N.S.I.T, Delhi under Delhi University.

1.3 Keeping in view greater variety of subjects offered by different School Boards at the 10+2 (Class XII) level, more subject combinations in qualifying examination (10+2) would now be possible. **For the convenience of candidates, provision for on-line submission of Application Form has also been made.**

1.4 This year many other institutions are expected to admit students through AIEEE. Decision in this regard will be taken by the Central Counselling Board which will be constituted by MHRD and a list of tentative institutions joining the CCB will be placed on the website of CCB i.e. www.ccb.nic.in.

A list of nomenclature of courses approved by AICTE at the undergraduate level in Engineering and Architecture/ Planning is given in **Appendix-II**.

1.5. Short Title

These rules will be called as All India Engineering/Architecture Entrance Examination (AIEEE) rules.

1.6 Definitions

i) **"Government"** means "Government of India".

ii) **"Ministry"** means "Ministry of Human Resource Development, New Delhi".

iii) **"Board"** means "Central Board of Secondary Education, Delhi".

iv) **"AIEEE"** means "All India Engineering/Architecture Entrance Examination".

v) **"Qualifying Examination"** means "Examination on the result of which the candidate becomes eligible to apply for admission to All India Engineering/ Architecture Entrance Examination".

vi) **"Rules"** means "The rules specified by the Central Board of Secondary Education for the conduct of AIEEE under the directive of Ministry of Human Resource Development, Govt. of India, New Delhi.".

vii) **"Scheduled Castes"** means "Scheduled Castes as specified and laid down by the Government of India".

viii) **"Scheduled Tribes"** means "Scheduled Tribes as specified and laid down by the Government of India".

ix) **"Other Backward Classes(OBCs)"** means "Other Backward Classes as specified and laid down by the Government of India or by the respective States/UT.s as the case may be".

x) **"Physically Handicapped" means "Physically Handicapped person as specified and laid down by the Government of India or the respective States/UTs, as the case may be".**

xi) **"AICTE"** means "All India Council for Technical Education, New Delhi".

xii) **"CCB"** means "Central Counselling Board".

2. Scheme of Examination

2.1 Entrance examination would consist of two papers i.e. 1st paper consisting of three parts of Physics, Chemistry and Mathematics of equal weightage with objective type questions for B.E/B.Tech courses and 2nd paper consisting of Mathematics, Aptitude Test and Drawing for B. Architecture and B. Planning. The Aptitude Test is designed to evaluate candidate's perception, imagination, observation, creativity and architectural awareness.

2.2 Scoring and Negative Marking

There will be objective type questions with four options having single correct answer. For each incorrect response, one fourth (1/4) of the total marks allotted to the question would be deducted. No deduction from the total score will, however, be made if no response is indicated for an item in the answer sheet. The candidates are advised not to attempt such item in the answer sheet if they are not sure of the correct response. **More than one answer indicated against a question will be deemed as incorrect response and will be negatively marked.** All objective type questions are required to be answered on specially designed machine gradable answer sheets. Answers are to be marked using ball point pen (black/blue) only. For the purpose of evaluation, Test Booklet Code as printed in the Answer Sheet on Side-2 will be accepted as final.

2.3 Subject combination for each paper and type of questions in each paper are given in the table below:

	SUBJECTS	TYPE OF QUESTIONS
Paper 1	Physics, Chemistry & Mathematics	Objective type questions with equal weightage to Physics, Chemistry & Mathematics
Paper 2	Mathematics – Part I	Objective type questions
	Aptitude Test – Part II &	Objective type questions
	Drawing Test – Part III	Questions to test Drawing Aptitude

2.4 Requirement of papers for different courses is given in the table below:

COURSE	PAPERS
B.E/B.TECH	Paper – 1
B.ARCH/B. PLANNING	Paper – 2

3. Schedule of Examination

3.1 AIEEE pen and paper (offline examination) will be conducted on the following dates as per schedule given below:

Dates of Examination	Paper	Subjects	Timings	Duration
24.04.2011	Paper – 1	Physics, Chemistry & Mathematics	0930-1230 Hours	3 Hours
24.04.2011	Paper – 2	Mathematics – Part I Aptitude Test Part – II & Drawing Test Part – III	1400-1700 Hours	3 Hours

3.2 For those unable to appear in AIEEE on scheduled date of examination for any reason, **including loss of application form/ admit card in transit**, no re-examination shall be held under any circumstances. The schedule will remain unaltered even if the date is declared as a public holiday.

3.3 Students may move to the venue of examination for refreshment etc. after examination of B.E./B.Tech. is over, if they have applied for BE/B.Tech. and B.Arch/B. Planning together.

3.4 CONDUCT OF ONLINE EXAMINATION

As per orders of Min. of Human Resource Development, Govt. of India, the online examination would be conducted for a maximum 1.0 lac candidates in BE/B.tech only and remaining candidates will appear in Pen & paper mode (off-line) as conducted earlier. The candidates wishing to appear in online examination will apply online only through the **AIEEE** website and the fee is required to be paid by credit/debit card only. All informations and instructions for submitting of application for appearing in online examination are available on CBSE website www.aicee.nic.in

The online examination would be conducted in the cities mentioned in Appendix-VII. The pattern of question paper & time duration of online examination and offline examination would remain the same and the candidates will be informed by various modes about their center,date & time of online examination. Online examination will be conducted for a maximum capacity of 5000 candidates in a city on first-come-first-serve basis. The candidates may opt another city if the seats in a particular city are full. Though, the candidates have been asked to submit their choices of examination cities but the Board has right to change the center. The examination fee for the candidates who intend to appear in online examination is as under.

General/OBC	Rs 400 + 2% of the examination fee plus service tax as applicable
SC/ST	Rs 200 + 2% of the examination fee plus service tax as applicable

4. Syllabus

The question papers for the Examination shall be based on a common minimum syllabus drawn from syllabi taught in different State Boards. **This is given at Appendix III.**

5. Language of the Question Papers

Candidates can opt for question papers either in English or in Hindi (that will be bilingual in Hindi & English both). The option has to be exercised while filling Application Form. It cannot be changed later. However, those candidates who will opt question paper medium as Hindi, Bilingual question papers in Hindi & English will be provided to them.

6. Eligibility Criteria : Candidates are, however, required to appear in the papers as per Scheme of Examination for AIEEE specified in para 2.4 of this Bulletin.

6.1 The minimum academic qualification for appearing in AIEEE 2011 is that the candidate must have passed in final examination of 10+2 (Class XII) or its equivalent referred to as the qualifying examination (see Appendix IX) with 50% marks for general

category candidates and 40% marks for SC/ST/OBC/PH category candidates. Those appearing in 10+2 (Class XII) final or equivalent examination may also appear in AIEEE 2011 provisionally.

Candidates appearing in 10+2 (Class XII) in 2012 or passed in 2008 or before are not eligible to appear in AIEEE 2011.

6.2 Subject combinations required in the qualifying examination for admission to B.E./B.Tech. and B. Arch./B. Planning Courses shall be as under:

Course	Compulsory	Anyone of the Optional Subjects
B.E/B.TECH*	Physics & Mathematics	Chemistry, Bio-technology, Computer Science, Biology
B.ARCH/B. PLANNING**	Mathematics with 50% marks in aggregate at 10 + 2 level	

* This is as per decision of the All India Council for Technical Education (AICTE).

** Provisionally as per the orders of the Hon'ble High Court of Delhi and directive received from the Ministry of Human Resource Development, Govt. of India.

6.3 The number of attempts which a candidate can avail at All India Engineering/Architecture Entrance Examination shall be limited to 03 (three) uniformly for all the candidates in consecutive years. The candidates passed +2 exam in 2009, 2010 or appearing in +2 in 2011 are only eligible to appear in AIEEE-2011. **Candidates passed +2 in 2008 or before or appearing in 2012 are not eligible to appear in AIEEE-2011.**

7. Date of Birth

Only those candidates whose date of birth falls on or after October 01, 1986 are eligible. However, in the case of Scheduled Caste (SC), Scheduled Tribe (ST) and Physically Handicapped (PH) candidates, upper age limit is relaxed by 5 years, i.e. SC, ST and PH candidates who were born on or after October 01, 1981 are eligible. Date of birth as recorded in the Secondary Education Board/ University certificate only will be taken as authentic.

8. Application Procedure

8.1 Application can either be made 'Online' or submitted on prescribed Application Form only.

8.2 Information Bulletin containing Application Form can also be obtained **by post** from the Assistant Secretary (AIEEE), Central Board of Secondary Education, PS 1-2, Institutional Area, I P Extension, Patparganj, Delhi - 110092 or **personally from Regional Offices of CBSE and Designated Branches of Syndicate Bank/other Banks/Designated Institutions** (List given in Appendix IV). The Syndicate Bank/other Banks, the designated institutions and Regional Offices of the CBSE will not send the Information Bulletin by Post. Hence, no request should be made to them for sending the Bulletin by Post. Candidate should not buy the Information Bulletin from any private publisher/ vendor as these may be fake Information Bulletins.

The Regional Offices of CBSE, designated branches of Syndicate Banks/Other Banks/designated Institutions **(see list given in Appendix-IV)** are not responsible for any consequences, that may arise due to non-availability of forms in case the copies of application forms are sold out before the last date. The candidate should get the Information Bulletin containing application forms from the Assistant Secretary (AIEEE), CBSE, PS 1-2 Institutional Area, IP Extension, Patparganj, Delhi-110 092 by post.

8.3 The cost of Information Bulletin inclusive of examination and counselling fee for BE/B.Tech only or B.Arch/B.Planning only is as under:

Course(s) Applying for	Fee for AIEEE 2011			
	Total fee including cost of the Information Bulletin		Total fee for Online application	
	(General/OBC)	(SC/ST)	(Gen/ OBC)	(SC/ST)
For BE/B.Tech only or B.Arch/B. Planning. only	600	300	500	250
For Both BE/B.Tech and B.Arch/B.Planning	1000	500	900	450
FOR EXAMINATION CENTER IN FOREIGN COUNTRY				
For BE/B.Tech only or B.Arch/B. Planning only for exam centres in foreign countries	1500	750	1400	700
For both BE/B.Tech and B.Arch/ B.Planning for exam centres in foreign countries	2500	1250	2400	1200

8.4 To obtain Information Bulletin containing Application Form by post, candidates should send their request to the **Assistant Secretary (AIEEE), Central Board of Secondary Education, PS 1-2 Institutional Area, IP Extension, Patparganj, Delhi-110092** along with a bank draft of Rs.650/- for General and OBC Category and Rs. 350/- for SC/ST candidates in favour of The Secretary, CBSE, payable at Delhi/New Delhi and a self-addressed envelope of 12" x 10". This includes Rs. 50/- towards postal charges. **Candidates appearing for both BE/B.Tech and B.Arch/B.Planning together should send their application form along with additional fee in the form of Demand Draft of Rs. 400/- for General & OBC and Rs. 200/- for SC/ST candidates in favour of Secretary, CBSE payable at Delhi/New Delhi. Demand draft payable other than Delhi/New Delhi will not be accepted and their candidature will be rejected.**

8.5 ONLINE SUBMISSION OF APPLICATION:

The online submission of particulars may be made at website www.aieee.nic.in. The candidates should supply all the required details while filling up the online form. On submission of details, a Confirmation page with Registration No. shall be generated. Candidates are required to take printout of Confirmation page and paste photographs, put left hand thumb impression, sign in the space earmarked for the purpose and write down the Residential Address. The confirmation Page is to be sent by Registered/Speed Post to CBSE and payment can be made as follows:

(a) by credit card, or

(b) Demand draft from any scheduled commercial bank.

• Candidates submitting applications online are required:

❑ To retain a photocopy of Confirmation Page with Registration No. and

❑ Copy of mode of remittance of Examination fee:

8.6 In addition to Examinations Fee, following Service/Processing Charges will have to be paid by the candidates.

(i) For obtaining Information Bulletin along with Application Form on cash payment…… Rs. 5/- through selling centers as per appendix -IV.

(ii) For online submission of application with payment through Credit Card …… 2% of the examination fee plus service tax as applicable

Candidates applying on-line, they would require to pay examination fee as shown in clause No. 8.3

8.7 Instructions for completing and sending the Application Form by post are given in **Appendix V**. **Candidates are advised to go through the instructions carefully before filling up the application form**. Instructions for online submission of application will be given on AIEEE website www.aieee.nic.in

• Request for change/correction in any particulars in the Application Form shall not be entertained under any circumstances. **The Board will not be responsible for any consequences arising out of non-acceptance of any correction/addition/deletion in any particular once filled in the application form whatsoever the reasons may be.**

• Incomplete Application Forms, or the forms having over-writing, shall be rejected.

• The candidates who have made application online must submit Computer Generated Application Form/Confirmation page along with Demand Draft of any scheduled Bank/Proof of remittance of exam fees.

• The candidate should write his/her complete address in the application from for further correspondence by blue/black ball point pen only in capital letters.

NOTE : Fee once remitted shall not be refunded under any circumstances.

9. Examination Centres Cities

List of cities where the examination will be conducted is given in **Appendix VI**. Candidates are required to give four options convenient to them. While every effort will be made to allot a Centre in one of the places opted by the candidate, the Board reserves its discretion to allot a Centre other than that of candidate's choice any where in India. **Under no circumstances, the Centre once allotted shall be changed by the Board**.

10. Admit Card

The Admit Card will be sent by post "Under Certificate of Posting (UPC)" to the candidate (including those who made application online) about four weeks before the conduct of the examination, however, the Board will not be responsible for any consequences that may arise due to loss of admit card in transit. It will be the responsibility of the candidate to contact/write to the Board in case he/ she is not in receipt of the Admit Cards by 6th April 2011. Such requests be sent to Assistant Secretary (AIEEE), Central Board of Secondary Education, PS 1-2 Institutional Area, IP Extension, Patparganj, Delhi-110 092 with two photographs (as pasted on the Application Form), one should be attested by Principal of the institution where candidate is studying/passed XII or by the gazetted officer. Photocopy of the Application Form, proof regarding remittance of fee (photocopy of the Demand Draft) in respect of those candidates who have made application online, and the original postal receipt issued by the Post Office for having dispatched the Application Form by Registered/Speed Post in order to get a duplicate Admit Card. Such request for issue of duplicate Admit Card should accompany with a Demand Draft in favour of Secretary, CBSE payable at Delhi /New Delhi amounting Rs. 50/- as fee and additional Rs. 30/- as postal charges for outstation candidates. Request for issue of admit card after the examination will not be entertained. In no case the duplicate Admit Card would be issued at the Examination Centres.

11. Procedure for Conduct of Examination and Use of Answer Sheet

11.1 Procedure for conduct of examination and instructions for use of the Test Booklet and Answer Sheet are given in **Appendix VIII**. Candidates are advised to go through carefully before going for the Examination.

12. Evaluation and Declaration of Results

12.1 On the basis of performance in AIEEE, separate rank lists will be prepared for B.E./B.Tech. and B.Arch/ B.Planning. Score Card indicating All India Rank and State Rank with total marks and marks in each paper shall be sent to all candidates appearing in AIEEE.

12.2 Candidates scoring above a certain cut off percentage of marks (being different for General, OBC,SC/ST/PH category candidates) to be called for counselling shall be determined at the time of declaration of AIEEE result. All India/State Rank and marks shall also be released on AIEEE website. The result of AIEEE-2011 is likely to be declared on or before 7th June, 2011. The All India/State Rank to be called for Central Counselling will be decided by Central Counselling Board which will be constituted by the Ministry of Human Resource Development, Govt. of India and decision of seat matrix etc. will be taken by Central Counselling Board. The required information will be displayed at appropriate time on website www.ccb.nic.in.

The score cards will be dispatched to the candidates from 13.06.2011 to 30.06.2011 under certificate of Posting (UPC). The Board will not be responsible for any consequences that may arise due to loss of score card in transit. In case of non-receipt of the score card within the stipulated period, candidate may apply for duplicate score card on payment of Rs. 50/- (plus postal charges of Rs. 30/- for outstation candidates) in the form of Demand Draft in favour of Secretary, CBSE, payable at Delhi/ New Delhi between 08.07.2011 to 30.09.2011. No request for issue of duplicate score card will be entertained thereafter.

12.3 As per the notified cut off score and the candidates declared eligible up to the notified Rank shall be called to appear for counselling.

12.4 In case of two or more candidates obtaining equal marks, inter-se merit of such candidates shall be determined as follows:

B.E/B.Tech - By marks obtained in Mathematics and then in Physics in the AIEEE and then by age (preference to older candidates).

B.Arch/B.Planning - By marks obtained in Aptitude Test and then in Mathematics in the AIEEE and then by age (preference to older candidates).

12.5 Rules for rechecking/re-evaluation of Answer Sheets: Since the AIEEE answer sheets are machine graded with extreme care and repeatedly scrutinized, there is no provision for rechecking/re-evaluation of answer sheets. No correspondence in this regard will be entertained.

13. Counselling, Seat Allocation, Document Verification and Admissions

13.1 Final list of institutions admitting students (with intake in each discipline and category as per reservation) through AIEEE-2011 including counselling procedure, counselling schedule and counselling centres would be displayed on the CCB website in May/June 2011. The decision for the above will be taken by the CCB.

13.2 Candidates shall regularly visit www.ccb.nic.in for the CCB admission brochure, schedule and further details. **The counselling will be made on line off campus and depending upon the requirement and facilities or as decided by Central Councelling Board.**

13.3 Verification of documents would be done at the time of counselling/admission. The purpose would be to verify different records regarding identification, age, qualifying examination, state of eligibility and category of the candidate. On failing to establish of any of the documents, the candidates will not be considered for admission.

13.4 SC, ST, OBC and PH candidates will be required to produce original certificate issued by the competent authority at the time of counselling, failing which they will not be considered for admission.

13.5 All correspondence regarding counselling and refund of the amount paid to the Central Counselling Board (CCB) or any of the participating institution should be made with the concerned authorities. No Correspondence in this regard be made to CBSE.

14. Legal Jurisdiction

All disputes pertaining to the conduct of AIEEE shall fall within the jurisdiction of Delhi only. The Secretary of the Board shall be the legal person in whose name the Board may sue or may be sued. If any person or officer dealing with the conduct of AIEEE engages himself/herself in act(s) that would result in the leakage of the question paper(s) or attempt to use or help in the use of unfair means in this examination, he/she shall be liable to prosecution under the Indian Penal Code.

15. Rules of Reservation

Reservation for SC/ST/OBC and Physically Handicapped candidates will be applicable as per the Govt. of India/ State concerned existing rules or amended from time to time.

IMPORTANT INFORMATION

1. No request for change of category from General to SC/ST, OBC and PH or vice versa will be entertained on the ground of issuance of such certificate after submission of application form.

2. No change in state code of eligibility will be permitted after submission of application form in the Board's office.

LIST OF INSTITUTIONS PARTICIPATED IN CCB (AIEEE-2010) COUNSELLING

I. *National Institute of Technology (NITs)*

1. National Institute of Technology, Agartala
2. Motilal Nehru National Institute of Technology, Allahabad (U.P.)
3. Maulana Azad National Institute of Technology, Bhopal (Madhya Pradesh)
4. National Institute of Technology, Calicut (Kerela)
5. National Institute of Technology, Durgapur (West Bengal)
6. National Institute of Technology, Hamirpur (Himachal Pradesh)
7. Malviya National Institute of Technology, Jaipur (Rajasthan)
8. Dr. B R Ambedkar National Institute of Technology, Jalandhar (Punjab)
9. National Institute of Technology, Jamshedpur (Jharkhand)
10. National Institute of Technology, Kurukshetra (Haryana)
11. Visvesvaraya National Institute of Technology, Nagpur (Maharashtra)
12. National Institute of Technology, Patna (Bihar)
13. National Institute of Technology, Raipur (Chhattisgarh)
14. National Institute of Technology, Rourkela (Orissa)
15. National Institute of Technology, Silchar (Assam)
16. National Institute of Technology, Hazartbal, Srinagar (J&K)
17. Sardar Vallabhbhai National Institute of Technology, Surat (Gujarat)
18. National Institute of Technology, Surathkal, Mangalore (Karnataka)
19. National Institute of Technology, Tiruchirapalli (Tamil Nadu)
20. National Institute of Technology, Warangal (Andhra Pradesh)

		Mentor NITs
21.	National Institute of Technology, Arunachal Pradesh	NIT Durgapur
22.	National Institute of Technology, Delhi	NIT Warangal
23.	National Institute of Technology, Goa sufficient	NIT Surathkal
24.	National Institute of Technology, Manipur	NIT Agartala
25.	National Institute of Technology, Meghalaya	SVNIT Surat
26.	National Institute of Technology, Mizoram	VNIT Nagpur
27.	National Institute of Technology, Nagaland	NIT Silchar
28.	National Institute of Technology, Puducherry	NIT Trichy
29.	National Institute of Technology, Sikkim	NIT Calicut
30.	National Institute of Technology, Srinagar, Garhwal	NIT Kurukshetra

II. *Indian Institutes of Information Technology (IIITs, IIITM & IIITDM)*

1. Indian Institute of Information Technology, Jhalwa, Allahabad (U.P.)
2. Indian Institute of Information Technology, Amethi, Allahabad (UP)
3. Atal Bihari Vajpayee Indian Institute of Information Technology & Management, Gwalior (M.P.)
4. Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design & Manufacturing, Jabalpur (M.P.)
5. Indian Institute of Information Technology, Design & Manufacturing, Kanchipuram, Chennai (Tamil Nadu)

III. Other Central Government/State Government Funded Institutions

1. Indian Institute of Carpet Technology, Bhadohi (U.P.) (IICT, Bhadohi)
2. School of Planning and Architecture, I.P. Estate, New Delhi (SPA, Delhi).
3. School of Planning and Architecture, Bhopal (Madhya Pradesh)
4. School of Planning and Architecture, Vijaywada (Andhra Pradesh)
5. National Insitute of Foundary & Forge Technology, P.O. Hatia, Ranchi (Jharkhand).
6. Assam University, Silchar (Assam)
7. J.K. Institute of Applied Physics & Technology, University of Allahabad, Allahabad- 211002 (U.P.)
8. Tezpur University, NAPAAM, Tezpur (Assam)
9. Institute of Technology, Bilaspur-495009 (C.G.)
10. Mizoram University, Aizawal-796009

IV. Self Financed Deemed Universities/Universities/Other Institutions

1. Birla Institute of Technology (Mesra Centre), Mesra, Ranchi (Jharkhand)
2. Birla Institute of Technology (Patna Centre), Patna
3. Birla Institute of Technology, (Deogarh Centre), Jasidih-814142 (Jharkhand)
4. Lovely Professional University, Phagwara, Distt. Kapurthala (Punjab)

5. Sir Padampat Singhania University, Udaipur (Rajasthan)
6. Gurukul Kangri Vishwavidyalaya, Faculty of Engineering & Technology, Haridwar (Uttarakhand)
7. Shri Mata Vaishno Devi University, Katra-182320 (J&K)
8. IAMR College of Engineering, Meerut (Uttar Pradesh)
9. Jayoti Vidyapeeth Women's University, Jaipur (Rajasthan)
10. Mewar University, Chittorgarh-312901 (Rajasthan)
11. Jodhpur National University, Jodhpur (Rajasthan)
12. Bhagwant University, Ajmer (Rajasthan)
13. Shobhit University, Meerut (U.P.)
14. Sharda University, Noida (U.P.)
15. Mahatma Jyoti Rao Phule University, Jaipur (Rajasthan)
16. Jagannath University, Jaipur (Rajasthan)

The States/Institutes listed below used AIEEE-2010 ranks to fill seats through their own counselling.

1. Haryana
2. Uttarakhand
3. Himachal Pradesh (All India Quota will be filled through Central Counselling Board)
4. Army Institute of Technology, Pune, Maharashtra
5. Delhi Technological University, Delhi
6. Netaji Subhash Institute of Technology under Delhi University.
7. Punjab Technical University, Jalandhar, Punjab.

Final list of Institutions admitting students (with intake in each discipline and category as per reservation) through AIEEE-2011 for Counselling shall be available on the CCB website (www.ccb.nic.in) in the month of May/June 2011

Nomenclature of Disciplines in Degree Engineering & Technology/Architecture/ Town Planning(Approved by AICTE)

A. ENGINEERING & TECHNOLOGY COURSES

1. Aeronautical Engineering
2. Agricultural Engineering
3. Automobile Engineering
4. Applied Electronic and Instrumentation
5. Automation and Robotics
6. Bio-Medical Engineering
7. Bio-Technology
8. Ceramic Engineering
9. Chemical Engineering
10. Civil Engineering
11. Computer Science and Engineering
12. Electrical Engineering
13. Electronics and Communication Engineering
14. Environmental Engineering
15. Food Technology
16. Industrial Engineering and Management
17. Information Technology
18. Instrumentation and Control Engineering
19. Leather Technology
20. Marine Engineering
21. Materials Science & Technology
22. Metallurgical Engineering
23. Mechanical Engineering
24. Mining Engineering
25. Oil & Paint Technology
26. Polymer Science and Rubber Technology
27. Printing Technology
28. Production Engineering
29. Pulp & Paper Technology
30. Sugar Technology
31. Textile Engineering & Technology
32. Transportation Engineering

B. ARCHITECTURE & TOWN PLANNING

1. Architecture
2. Building Construction Technology
3. Interior Design
4. Planning

SYLLABUS

MATHEMATICS

UNIT 1 : SETS, RELATIONS AND FUNCTIONS:

Sets and their representation; Union, intersection and complement of sets and their algebraic properties; Power set; Relation, Types of relations, equivalence relations, functions;. one-one, into and onto functions, composition of functions.

UNIT 2 : COMPLEX NUMBERS AND QUADRATIC EQUATIONS:

Complex numbers as ordered pairs of reals, Representation of complex numbers in the form a+ib and their representation in a plane, Argand diagram, algebra of complex numbers, modulus and argument (or amplitude) of a complex number, square root of a complex number, triangle inequality, Quadratic equations in real and complex number system and their solutions. Relation between roots and co-efficients, nature of roots, formation of quadratic equations with given roots.

UNIT 3 : MATRICES AND DETERMINANTS:

Matrices, algebra of matrices, types of matrices, determinants and matrices of order two and three. Properties of determinants, evaluation of determinants, area of triangles using determinants. Adjoint and evaluation of inverse of a square matrix using determinants and elementary transformations, Test of consistency and solution of simultaneous linear equations in two or three variables using determinants and matrices.

UNIT 4 : PERMUTATIONS AND COMBINATIONS:

Fundamental principle of counting, permutation as an arrangement and combination as selection, Meaning of P (n,r) and C (n,r), simple applications.

UNIT 5 : MATHEMATICAL INDUCTION:

Principle of Mathematical Induction and its simple applications.

UNIT 6 : BINOMIAL THEOREM AND ITS SIMPLE APPLICATIONS:

Binomial theorem for a positive integral index, general term and middle term, properties of Binomial coefficients and simple applications.

UNIT 7 : SEQUENCES AND SERIES:

Arithmetic and Geometric progressions, insertion of arithmetic, geometric means between two given numbers. Relation between A.M. and G.M. Sum upto n terms of special series: S n, S n2, Sn3. Arithmetico Geometric progression.

UNIT 8 : LIMIT, CONTINUITY AND DIFFERENTIABILITY:

Real - valued functions, algebra of functions, polynomials, rational, trigonometric, logarithmic and exponential functions, inverse functions. Graphs of simple functions. Limits, continuity and differentiability. Differentiation of the sum, difference, product and quotient of two functions. Differentiation of trigonometric, inverse trigonometric, logarithmic, exponential, composite and implicit functions; derivatives of order upto two. Rolle's and Lagrange's Mean Value Theorems. Applications of derivatives: Rate of change of quantities, monotonic - increasing and decreasing functions, Maxima and minima of functions of one variable, tangents and normals.

UNIT 9 : INTEGRAL CALCULUS:

Integral as an anti - derivative. Fundamental integrals involving algebraic, trigonometric, exponential and logarithmic functions. Integration by substitution, by parts and by partial fractions. Integration using trigonometric identities.

Evaluation of simple integrals of the type

$$\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{a^2 - x^2}, \int \frac{dx}{\sqrt{a^2 - x^2}}, \int \frac{dx}{ax^2 + bx + c},$$

$$\int \frac{dx}{\sqrt{ax^2 + bx + c}}, \int \frac{(px+q)dx}{ax^2 + bx + c}, \int \frac{(px+q)dx}{\sqrt{ax^2 + bx + c}}$$

$$\int \sqrt{a^2 \pm x^2} \, dx \quad \int \sqrt{x^2 - a^2} \, dx$$

Integral as limit of a sum. Fundamental Theorem of Calculus. Properties of definite integrals. Evaluation of definite integrals, determining areas of the regions bounded by simple curves in standard form.

UNIT 10 : DIFFERENTIAL EQUATIONS:

Ordinary differential equations, their order and degree. Formation of differential equations. Solution of differential equations by the method of separation of variables, solution of homogeneous and linear differential equations of the type:

$$\frac{dy}{dx} + p(x)y = q(x)$$

UNIT 11: CO-ORDINATE GEOMETRY:

Cartesian system of rectangular co-ordinates 10 in a plane, distance formula, section formula, locus and its equation, translation of axes, slope of a line, parallel and perpendicular lines, intercepts of a line on the coordinate axes.

Straight lines

Various forms of equations of a line, intersection of lines, angles between two lines, conditions for concurrence of three lines, distance of a point from a line, equations of internal and external bisectors of angles between two lines, coordinates of centroid, orthocentre and circumcentre of a triangle, equation of family of lines passing through the point of intersection of two lines.

Circles, conic sections

Standard form of equation of a circle, general form of the equation of a circle, its radius and centre, equation of a circle when the end points of a diameter are given, points of intersection of a line and a circle with the centre at the origin and condition for a line to be tangent to a circle, equation of the tangent. Sections of cones, equations of conic sections (parabola, ellipse and hyperbola) in standard forms, condition for $y = mx + c$ to be a tangent and point (s) of tangency.

UNIT 12: THREE DIMENSIONAL GEOMETRY:

Coordinates of a point in space, distance between two points, section formula, direction ratios and direction cosines, angle between two intersecting lines. Skew lines, the shortest distance between them and its equation. Equations of a line and a plane in different forms, intersection of a line and a plane, coplanar lines.

UNIT 13: VECTOR ALGEBRA:

Vectors and scalars, addition of vectors, components of a vector in two dimensions and three dimensional space, scalar and vector products, scalar and vector triple product.

UNIT 14: STATISTICS AND PROBABILITY:

Measures of Dispersion: Calculation of mean, median, mode of grouped and ungrouped data. Calculation of standard deviation, variance and mean deviation for grouped and ungrouped data.

Probability: Probability of an event, addition and multiplication theorems of probability, Baye's theorem, probability distribution of a random variate, Bernoulli trials and Binomial distribution.

UNIT 15: TRIGONOMETRY:

Trigonometrical identities and equations. Trigonometrical functions. Inverse trigonometrical functions and their properties. Heights and Distances.

UNIT 16: MATHEMATICAL REASONING:

Statements, logical operations and, or, implies, implied by, if and only if. Understanding of tautology, contradiction, converse and contrapositive.

PHYSICS

The syllabus contains two Sections - A and B. Section - A pertains to the Theory Part having 80% weightage, while Section - B contains Practical Component (Experimental Skills) having 20% weightage.

SECTION A

UNIT 1: PHYSICS AND MEASUREMENT

Physics, technology and society, S I units, Fundamental and derived units. Least count, accuracy and precision of measuring instruments, Errors in measurement, Significant figures. Dimensions of Physical quantities, dimensional analysis and its applications.

UNIT 2: KINEMATICS

Frame of reference. Motion in a straight line: Position-time graph, speed and velocity. Uniform and non-uniform motion, average speed and instantaneous velocity Uniformly accelerated motion, velocity-time, position-time graphs, relations for uniformly accelerated motion. Scalars and Vectors, Vector addition and Subtraction, Zero Vector, Scalar and Vector products, Unit Vector, Resolution of a Vector. Relative Velocity, Motion in a plane, Projectile Motion, Uniform Circular Motion.

UNIT 3: LAWS OF MOTION

Force and Inertia, Newton's First Law of motion; Momentum, Newton's Second Law of motion; Impulse; Newton's Third Law of motion. Law of conservation of linear momentum and its applications, Equilibrium of concurrent forces.

Static and Kinetic friction, laws of friction, rolling friction.

Dynamics of uniform circular motion: Centripetal force and its applications.

UNIT 4: WORK, ENERGY AND POWER

Work done by a constant force and a variable force; kinetic and potential energies, workenergy theorem, power.

Potential energy of a spring, conservation of mechanical energy, conservative and nonconservative forces; Elastic and inelastic collisions in one and two dimensions.

UNIT 5: ROTATIONAL MOTION

Centre of mass of a two-particle system, Centre of mass of a rigid body; Basic concepts of rotational motion; moment of a force, torque, angular momentum, conservation of angular momentum and its applications; moment of inertia, radius of gyration. Values of moments of inertia for simple geometrical

objects, parallel and perpendicular axes theorems and their applications. Rigid body rotation, equations of rotational motion.

UNIT 6: GRAVITATION

The universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Kepler's laws of planetary motion. Gravitational potential energy; gravitational potential. Escape velocity. Orbital velocity of a satellite. Geo-stationary satellites.

UNIT 7: PROPERTIES OF SOLIDS AND LIQUIDS

Elastic behaviour, Stress-strain relationship, Hooke's Law, Young's modulus, bulk modulus, modulus of rigidity. Pressure due to a fluid column; Pascal's law and its applications. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, Reynolds number. Bernoulli's principle and its applications. Surface energy and surface tension, angle of contact, application of surface tension - drops, bubbles and capillary rise. Heat, temperature, thermal expansion; specific heat capacity, calorimetry; change of state, latent heat. Heat transfer-conduction, convection and radiation, Newton's law of cooling.

UNIT 8: THERMODYNAMICS

Thermal equilibrium, zeroth law of thermodynamics, concept of temperature. Heat, work and internal energy. First law of thermodynamics. Second law of thermodynamics: reversible and irreversible processes. Carnot engine and its efficiency.

UNIT 9: KINETIC THEORY OF GASES

Equation of state of a perfect gas, work doneon compressing a gas.Kinetic theory of gases - assumptions, concept of pressure. Kinetic energy and temperature: rms speed of gas molecules; Degrees of freedom, Law of equipartition of energy,applications to specific heat capacities of gases; Mean free path, Avogadro's number.

UNIT 10: OSCILLATIONS AND WAVES

Periodic motion - period, frequency, displacement as a function of time. Periodic functions. Simple harmonic motion (S.H.M.) and its equation; phase; oscillations of a spring -restoring force and force constant; energy in S.H.M. - kinetic and potential energies; Simple pendulum - derivation of expression for its time period; Free, forced and damped oscillations, resonance.

Wave motion. Longitudinal and transverse waves, speed of a wave. Displacement relation for a progressive wave. Principle of superposition of waves, reflection of waves, Standing waves in strings and organ pipes, fundamental mode and harmonics, Beats, Doppler effect in sound

UNIT 11: ELECTROSTATICS

Electric charges: Conservation of charge, Coulomb's law-forces between two point charges, forces between multiple charges; superposition principle and continuous charge distribution.

Electric field: Electric field due to a point charge, Electric field lines, Electric dipole, Electric field due to a dipole, Torque on a dipole in a uniform electric field.

Electric flux, Gauss's law and its applications to find field due to infinitely long uniformly charged straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell. Electric potential and its calculation for a point charge, electric dipole and system of charges; Equipotential surfaces, Electrical potential energy of a system of two point charges in an electrostatic field.

Conductors and insulators, Dielectrics and electric polarization, capacitor, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, Energy stored in a capacitor.

UNIT 12: CURRRENT ELECTRICITY

Electric current, Drift velocity, Ohm's law, Electrical resistance, Resistances of different materials, V-I characteristics of Ohmic and nonohmic conductors, Electrical energy and power, Electrical resistivity, Colour code for resistors; Series and parallel combinations of resistors; Temperature dependence of resistance.

Electric Cell and its Internal resistance, potential difference and emf of a cell, combination of cells in series and in parallel. Kirchhoff's laws and their applications. Wheatstone bridge, Metre bridge. Potentiometer - principle and its applications.

UNIT 13: MAGNETIC EFFECTS OF CURRENT AND MAGNETISM

Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long current carrying straight wire and solenoid. Force on a moving charge in uniform magnetic and electric fields. Cyclotron.

Force on a current-carrying conductor in a uniform magnetic field. Force between two parallel current-carrying conductors-definition of ampere. Torque experienced by a current loop in uniform magnetic field; Moving coil galvanometer, its current sensitivity and conversion to ammeter and voltmeter.

Current loop as a magnetic dipole and its magnetic dipole moment. Bar magnet as an equivalent solenoid, magnetic field lines; Earth's magnetic field and magnetic elements. Para-, dia- and ferro- magnetic substances.

Magnetic susceptibility and permeability, Hysteresis, Electromagnets and permanent magnets.

UNIT 14 : ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENTS

Electromagnetic induction; Faraday's law, induced emf and current; Lenz's Law, Eddy currents. Self and mutual inductance. Alternating currents, peak and rms value of alternating current/ voltage; reactance and impedance; LCR series circuit, resonance; Quality factor, power in AC circuits, wattless current. AC generator and transformer.

UNIT 15 : ELECTROMAGNETIC WAVES

Electromagnetic waves and their characteristics. Transverse nature of electromagnetic waves.

Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, Xrays, gamma rays). Applications of e.m. waves.

UNIT 16 : OPTICS

Reflection and refraction of light at plane and spherical surfaces, mirror formula, Total internal reflection and its applications, Deviation and Dispersion of light by a prism, Lens Formula, Magnification, Power of a Lens, Combination of thin lenses in contact, Microscope and Astronomical Telescope (reflecting and refracting) and their magnifyingpowers.

Wave optics: wavefront and Huygens' principle, Laws of reflection and refraction using Huygen's principle. Interference, Young's double slit experiment and expression for fringe width, coherent sources and sustained interference of light. Diffraction due to a single slit, width of central maximum. Resolving power of microscopes and astronomical telescopes, Polarisation, plane polarized light; Brewster's law, uses of plane polarized light and Polaroids.

UNIT 17 : DUAL NATURE OF MATTER AND RADIATION

Dual nature of radiation. Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation; particle nature of light. Matter waves-wave nature of particle, de Broglie relation. Davisson-Germer experiment.

UNIT 18 : ATOMS AND NUCLEI

Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model, energy levels, hydrogen spectrum. Composition and size of nucleus, atomic masses, isotopes, isobars; isotones. Radioactivity-alpha, beta and gamma particles/rays and their properties; radioactive decay law. Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number, nuclear fission and fusion.

UNIT 19 : ELECTRONIC DEVICES

Semiconductors; semiconductor diode: I-V characteristics in forward and reverse bias; diode as a rectifier; I-V characteristics of LED, photodiode, solar cell and Zener diode; Zener diode as a voltage regulator. Junction transistor, transistor action, characteristics of a transistor; transistor as an amplifier (common emitter configuration) and oscillator. Logic gates (OR, AND, NOT, NAND and NOR). Transistor as a switch.

UNIT 20 : COMMUNICATION SYSTEMS

Propagation of electromagnetic waves in the atmosphere; Sky and space wave propagation, Need for modulation, Amplitude and Frequency Modulation, Bandwidth of signals, Bandwidth of Transmission medium, Basic Elements of a Communication System (Block Diagram only).

SECTION B

UNIT 21 : EXPERIMENTAL SKILLS

Familiarity with the basic approach and observations of the experiments and activities:

1. Vernier callipers-its use to measure internal and external diameter and depth of a vessel.

2. Screw gauge-its use to determine thickness/ diameter of thin sheet/wire.

3. Simple Pendulum-dissipation of energy by plotting a graph between square of amplitude and time.

4. Metre Scale - mass of a given object by principle of moments.

5. Young's modulus of elasticity of the material of a metallic wire.

6. Surface tension of water by capillary rise and effect of detergents.

7. Co-efficient of Viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.

8. Plotting a cooling curve for the relationship between the temperature of a hot body and time.

9. Speed of sound in air at room temperature using a resonance tube.

10. Specific heat capacity of a given (i) solid and (ii) liquid by method of mixtures.

11. Resistivity of the material of a given wire using metre bridge.

12. Resistance of a given wire using Ohm's law.

13. Potentiometer

   (i)   Comparison of emf of two primary cells.

   (ii) Determination of internal resistance of a cell.

14. Resistance and figure of merit of a galvanometer by half deflection method.

15. Focal length of:

   (i) Convex mirror

   (ii) Concave mirror, and

   (iii) Convex lens

   using parallax method.

16. Plot of angle of deviation vs angle of incidence for a triangular prism.

17. Refractive index of a glass slab using a travelling microscope.

18. Characteristic curves of a p-n junction diode in forward and reverse bias.

19. Characteristic curves of a Zener diode and finding reverse break down voltage.

20. Characteristic curves of a transistor and finding current gain and voltage gain.

21. Identification of Diode, LED, Transistor, IC, Resistor, Capacitor from mixed collection of such items.

22. Using multimeter to:

   (i) Identify base of a transistor

   (ii) Distinguish between npn and pnp type transistor

   (iii) See the unidirectional flow of current in case of a diode and an LED.

   (iv) Check the correctness or otherwise of a given electronic component (diode, transistor or IC).

CHEMISTRY
SECTION: A
PHYSICAL CHEMISTRY

UNIT 1: SOME BASIC CONCEPTS IN CHEMISTRY

Matter and its nature, Dalton's atomic theory; Concept of atom, molecule, element and compound; Physical quantities and their measurements in Chemistry, precision and accuracy, significant figures, S.I. Units, dimensional analysis; Laws of chemical combination; Atomic and molecular masses, mole concept, molar mass, percentage composition, empirical and molecular formulae; Chemical equations and stoichiometry.

UNIT 2: STATES OF MATTER

Classification of matter into solid, liquid and gaseous states.

Gaseous State:
Measurable properties of gases; Gas laws - Boyle's law, Charle's law, Graham's law of diffusion, Avogadro's law, Dalton's law of partial pressure; Concept of Absolute scale of temperature; Ideal gas equation; Kinetic theory of gases (only postulates); Concept of average, root mean square and most probable velocities; Real gases, deviation from Ideal behaviour, compressibility factor, van der Waals equation, liquefaction of gases, critical constants.

Liquid State:
Properties of liquids - vapour pressure, viscosity and surface tension and effect of temperature on them (qualitative treatment only).

Solid State:
Classification of solids: molecular, ionic, covalent and metallic solids, amorphous and crystalline solids (elementary idea); Bragg's Law and its applications; Unit cell and lattices, packing in solids (fcc, bcc and hcp lattices), voids, calculations involving unit cell parameters, imperfection in solids; Electrical, magnetic and dielectric properties.

UNIT 3: ATOMIC STRUCTURE

Discovery of sub-atomic particles (electron, proton and neutron); Thomson and Rutherford atomic models and their limitations; Nature of electromagnetic radiation, photoelectric effect; Spectrum of hydrogen atom, Bohr model of hydrogen atom - its postulates, derivation of the relations for energy of the electron and radii of the different orbits, limitations of Bohr's model; Dual nature of matter, de-Broglie's relationship, Heisenberg uncertainty principle. Elementary ideas of quantum mechanics, quantum mechanical model of atom, its important features, ?? and ??2, concept of atomic orbitals as one electron wave functions; Variation of ?? and ??2 with r for 1s and 2s orbitals; various quantum numbers (principal, angular momentum and magnetic quantum numbers) and their significance; shapes of s, p and d - orbitals, electron spin and spin quantum number; Rules for filling electrons in orbitals aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of elements, extra stability of half-filled and completely filled orbitals.

UNIT 4: CHEMICAL BONDING AND MOLECULAR STRUCURE

Kossel - Lewis approach to chemical bond formation, concept of ionic and covalent bonds.

Ionic Bonding: Formation of ionic bonds, factors affecting the formation of ionic bonds; calculation of lattice enthalpy.

Covalent Bonding: Concept of electronegativity, Fajan's rule, dipole moment; Valence Shell Electron Pair Repulsion (VSEPR) theory and shapes of simple molecules.

Quantum mechanical approach to covalent bonding: Valence bond theory - Its important features, concept

of hybridization involving s, p and d orbitals; Resonance.

Molecular Orbital Theory - Its important features, LCAOs, types of molecular orbitals (bonding, antibonding), sigma and pi-bonds, molecular orbital electronic configurations of homonuclear diatomic molecules, concept of bond order, bond length and bond energy.

Elementary idea of metallic bonding. Hydrogen bonding and its applications.

UNIT 5 : CHEMICAL THERMODYNAMICS

Fundamentals of thermodynamics: System and surroundings, extensive and intensive properties, state functions, types of processes.

First law of thermodynamics - Concept of work, heat internal energy and enthalpy, heat capacity, molar heat capacity; Hess's law of constant heat summation; Enthalpies of bond dissociation, combustion, formation, atomization, sublimation, phase transition, hydration, ionization and solution.

Second law of thermodynamics; Spontaneity of processes; DS of the universe and DG of the system as criteria for spontaneity, Dgo (Standard Gibbs energy change) and equilibrium constant.

UNIT 6 : SOLUTIONS

Different methods for expressing concentration of solution - molality, molarity, mole fraction, percentage (by volume and mass both), vapour pressure of solutions and Raoult's Law Ideal and non-ideal solutions, vapour pressure - composition, plots for ideal and non-ideal solutions; Colligative properties of dilute solutions - relative lowering of vapour pressure, depression of freezing point, elevation of boiling point and osmotic pressure; Determination of molecular mass using colligative properties; Abnormal value of molar mass, van't Hoff factor and its significance.

UNIT 7 : EQUILIBRIUM

Meaning of equilibrium, concept of dynamic equilibrium.

Equilibria involving physical processes: Solid -liquid, liquid - gas and solid gas equilibria, Henry's law, general characterics of equilibrium involving physical processes.

Equilibria involving chemical processes: Law of chemical equilibrium, equilibrium constants (Kp and Kc) and their significance, significance of DG and DGo in chemical equilibria, factors affecting equilibrium concentration, pressure, temperature, effect of catalyst; Le Chatelier's principle.

Ionic equilibrium: Weak and strong electrolytes, ionization of electrolytes, various concepts of acids and bases (Arrhenius, Br??nsted - Lowry and Lewis) and their ionization, acid - base equilibria (including multistage ionization) and ionization constants, ionization of water, pH scale, common ion effect, hydrolysis of salts and pH of their solutions, solubility of sparingly soluble salts and solubility products, buffer solutions.

UNIT 8 : REDOX REACTIONS AND ELECTROCHEMISTRY

Electronic concepts of oxidation and reduction, redox reactions, oxidation number, rules for assigning oxidation number, balancing of redox reactions.

Eectrolytic and metallic conduction, conductance in electrolytic solutions, specific and molar conductivities and their variation with concentration: Kohlrausch's law and its applications.

Electrochemical cells - Electrolytic and Galvanic cells, different types of electrodes, electrode potentials including standard electrode potential, half - cell and cell reactions, emf of a Galvanic cell and its measurement; Nernst equation and its applications; Relationship between cell potential and Gibbs' energy change; Dry cell and lead accumulator; Fuel cells; Corrosion and its prevention.

UNIT 9 : CHEMICAL KINETICS

Rate of a chemical reaction, factors affecting the rate of reactions: concentration, temperature, pressure and catalyst; elementary and complex reactions, order and molecularity of reactions, rate law, rate constant and its units, differential and integral forms of zero and first order reactions, their characteristics and half - lives, effect of temperature on rate of reactions Arrhenius theory, activation energy and its calculation, collision theory of bimolecular gaseous reactions (no derivation).

UNIT-10 : SURFACE CHEMISTRY

Adsorption- Physisorption and chemisorption and their characteristics, factors affecting adsorption of gases on solids - Freundlich and Langmuir adsorption isotherms, adsorption from solutions.

Catalysis - Homogeneous and heterogeneous, activity and selectivity of solid catalysts, enzyme catalysis and its mechanism.

Colloidal state - distinction among true solutions, colloids and suspensions, classification of colloids - lyophilic, lyophobic; multi molecular, macromolecular and associated colloids (micelles), preparation and properties of colloids - Tyndall effect, Brownian movement, electrophoresis, dialysis, coagulation and flocculation; Emulsions and their characteristics.

SECTION B
INORGANIC CHEMISTRY

UNIT 11 : CLASSIFICATON OF ELEMENTS AND PERIODICITY IN PROPERTIES

Modem periodic law and present form of the periodic table, s, p, d and f block elements, periodic trends in properties of elements atomic and ionic radii, ionization enthalpy, electron gain enthalpy, valence, oxidation states and chemical reactivity.

UNIT 12 : GENERAL PRINCIPLES AND PROCESSES OF ISOLATION OF METALS

Modes of occurrence of elements in nature, minerals, ores; Steps involved in the extraction of metals - concentration, reduction (chemical and electrolytic methods) and refining with special reference to the extraction of Al, Cu, Zn and Fe; Thermodynamic and electrochemical principles involved in the extraction of metals.

UNIT 13 : HYDROGEN

Position of hydrogen in periodic table, isotopes, preparation, properties and uses of hydrogen; Physical and chemical properties of water and heavy water; Structure, preparation, reactions and uses of hydrogen peroxide; Classification of hydrides - ionic, covalent and interstitial; Hydrogen as a fuel.

UNIT 14 : S - BLOCK ELEMENTS (ALKALI AND ALKALINE EARTH METALS)

Group - 1 and 2 Elements

General introduction, electronic configuration and general trends in physical and chemical properties of elements, anomalous properties of the first element of each group, diagonal relationships.

Preparation and properties of some important compounds - sodium carbonate, sodium chloride, sodium hydroxide and sodium hydrogen carbonate; Industrial uses of lime, limestone, Plaster of Paris and cement; Biological significance of Na, K, Mg and Ca.

UNIT 15 : P - BLOCK ELEMENTS

Group - 13 to Group 18 Elements

General Introduction: Electronic configuration and general trends in physical and chemical properties of elements across the periods and down the groups; unique behaviour of the first element in each group.

Groupwise study of the p block elements

Group 13

Preparation, properties and uses of boron and aluminium; Structure, properties and uses of borax, boric acid, diborane, boron trifluoride, aluminium chloride and alums.

Group 14

Tendency for catenation; Structure, properties and uses of allotropes and oxides of carbon, silicon tetrachloride, silicates, zeolites and silicones.

Group 15

Properties and uses of nitrogen and phosphorus; Allotrophic forms of phosphorus; Preparation, properties, structure and uses of ammonia, nitric acid, phosphine and phosphorus halides, ($PCl3$, $PCl5$); Structures of oxides and oxoacids of nitrogen and phosphorus.

Group 16

Preparation, properties, structures and uses of dioxygen and ozone; Allotropic forms of sulphur; Preparation, properties, structures and uses of sulphur dioxide, sulphuric acid (including its industrial preparation); Structures of oxoacids of sulphur.

Group 17

Preparation, properties and uses of chlorine and hydrochloric acid; Trends in the acidic nature of hydrogen halides; Structures of Interhalogen compounds and oxides and oxoacids of halogens.

Group 18

Occurrence and uses of noble gases; Structures of fluorides and oxides of xenon.

UNIT 16 : d– and f –BLOCK ELEMENTS

Transition Elements

General introduction, electronic configuration, occurrence and characteristics, general trends in properties of the first row transition elements - physical properties, ionization enthalpy, oxidation states, atomic radii, colour, catalytic behaviour, magnetic properties, complex formation, interstitial compounds, alloy formation; Preparation, properties and uses of $K_2 Cr_2 O_7$ and $KMnO_4$.

Inner Transition Elements

Lanthanoids - Electronic configuration, oxidation states, chemical reactivity and lanthanoid contraction.

Actinoids - Electronic configuration and oxidation states.

UNIT 17 : CO-ORDINATION COMPOUNDS

Introduction to co-ordination compounds, Werner's theory; ligands, co-ordination number, denticity, chelation; IUPAC nomenclature of mononuclear co-ordination compounds, isomerism; Bonding-Valence bond approach and basic ideas of Crystal field theory, colour and magnetic properties; Importance of co-ordination compounds (in qualitative analysis, extraction of metals and in biological systems).

UNIT 18 : ENVIRONMENTAL CHEMISTRY

Environmental pollution - Atmospheric, water and soil.

Atmospheric pollution - Tropospheric and Stratospheric

Tropospheric pollutants Gaseous pollutants: Oxides of carbon, nitrogen and sulphur, hydrocarbons; their sources, harmful effects and prevention; Green house effect and Global warming; Acid rain;

Particulate pollutants: Smoke, dust, smog, fumes, mist; their sources, harmful effects and prevention.

Stratospheric pollution- Formation and breakdown of ozone, depletion of ozone layer - its mechanism and effects.

Water Pollution - Major pollutants such as, pathogens, organic wastes and chemical pollutants; their harmful effects and prevention.

Soil pollution - Major pollutants such as: Pesticides (insecticides,. herbicides and fungicides), their harmful effects and prevention.

Strategies to control environmental pollution.

SECTION-C
ORGANIC CHEMISTRY

UNIT 19 : PURIFICATION AND CHARACTERISATION OF ORGANIC COMPOUNDS

Purification - Crystallization, sublimation, distillation, differential extraction and chromatography - principles and their applications.

Qualitative analysis - Detection of nitrogen, sulphur, phosphorus and halogens.

Quantitative analysis (basic principles only) - Estimation of carbon, hydrogen, nitrogen, halogens, sulphur, phosphorus.

Calculations of empirical formulae and molecular formulae; Numerical problems in organic quantitative analysis.

UNIT 20 : SOME BASIC PRINCIPLES OF ORGANIC CHEMISTRY

Tetravalency of carbon; Shapes of simple molecules - hybridization (s and p); Classification of organic compounds based on functional groups: - C = C - , - C h C – and those containing halogens, oxygen, nitrogen and sulphur; Homologous series; Isomerism - structural and stereoisomerism.

Nomenclature (Trivial and IUPAC)

Covalent bond fission - Homolytic and heterolytic: free radicals, carbocations and carbanions; stability of carbocations and free radicals, electrophiles and nucleophiles.

Electronic displacement in a covalent bond

- Inductive effect, electromeric effect, resonance and hyperconjugation.

Common types of organic reactions - Substitution, addition, elimination and rearrangement.

UNIT 21 : HYDROCARBONS

Classification, isomerism, IUPAC nomenclature, general methods of preparation, properties and reactions.

Alkanes - Conformations: Sawhorse and Newman projections (of ethane); Mechanism of halogenation of alkanes.

Alkenes - Geometrical isomerism; Mechanism of electrophilic addition: addition of hydrogen, halogens, water, hydrogen halides (Markownikoff's and peroxide effect); Ozonolysis, oxidation, and polymerization.

Alkynes - Acidic character; Addition of hydrogen, halogens, water and hydrogen halides; Polymerization.

Aromatic hydrocarbons - Nomenclature, benzene - structure and aromaticity; Mechanism of electrophilic substitution: halogenation, nitration, Friedel Craft's alkylation and acylation, directive influence of functional group in mono-substituted benzene.

UNIT 22 : ORGANIC COMPOUNDS CONTAINING HALOGENS

General methods of preparation, properties and reactions; Nature of C-X bond; Mechanisms of substitution reactions.

Uses; Environmental effects of chloroform, iodoform, freons and DDT.

UNIT 23 : ORGANIC COMPOUNDS CONTAINING OXYGEN

General methods of preparation, properties, reactions and uses.

ALCOHOLS, PHENOLS AND ETHERS

Alcohols: Identification of primary, secondary and tertiary alcohols; mechanism of dehydration.

Phenols: Acidic nature, electrophilic substitution reactions: halogenation, nitration and sulphonation, Reimer - Tiemann reaction.

Ethers: Structure.

Aldehyde and Ketones: Nature of carbonyl group; Nucleophilic addition to >C=O group, relative reactivities of aldehydes and ketones; Important reactions such as Nucleophilic addition reactions (addition of HCN, NH3 and its derivatives), Grignard reagent; oxidation; reduction (Wolff Kishner and Clemmensen); acidity of ❑ - hydrogen, aldol condensation, Cannizzaro reaction,

Haloform reaction; Chemical tests to distinguish between aldehydes and Ketones.

CARBOXYLIC ACIDS

Acidic strength and factors affecting it.

UNIT 24 : ORGANIC COMPOUNDS CONTAINING NITROGEN

General methods of preparation, properties, reactions and uses.

Amines: Nomenclature, classification, structure, basic character and identification of primary, secondary and tertiary amines and their basic character.

Diazonium Salts: Importance in synthetic organic chemistry.

UNIT 25 : POLYMERS

General introduction and classification of polymers, general methods of polymerization-addition and condensation, copolymerization;

Natural and synthetic rubber and vulcanization; some important polymers with emphasis on their monomers and uses - polythene, nylon, polyester and bakelite.

UNIT 26 : BIOMOLECULES

General introduction and importance of biomolecules.

CARBOHYDRATES - Classification: aldoses and ketoses; monosaccharides (glucose and fructose), constituent monosaccharides of oligosacchorides (sucrose, lactose, maltose) and polysaccharides (starch, cellulose, glycogen).

PROTEINS - Elementary Idea of ❑ - amino acids, peptide bond, polypeptides; Proteins: primary, secondary, tertiary and quaternary structure (qualitative idea only), denaturation of proteins, enzymes.

VITAMINS - Classification and functions.

NUCLEIC ACIDS - Chemical constitution of DNA and RNA.

Biological functions of nucleic acids.

UNIT 27 : CHEMISTRY IN EVERYDAY LIFE

Chemicals in medicines - Analgesics, tranquilizers, antiseptics, disinfectants, antimicrobials, antifertility drugs, antibiotics, antacids, antihistamins - their meaning and common examples.

Chemicals in food - Preservatives, artificial sweetening agents - common examples.

Cleansing agents - Soaps and detergents, cleansing action.

UNIT 28 : PRINCIPLES RELATED TO PRACTICAL CHEMISTRY

- Detection of extra elements (N,S, halogens) in organic compounds; Detection of the following

functional groups: hydroxyl (alcoholic and phenolic), carbonyl (aldehyde and ketone), carboxyl and amino groups in organic compounds.

- Chemistry involved in the preparation of the following:

Inorganic compounds: Mohr's salt, potash alum.

Organic compounds: Acetanilide, pnitroacetanilide, aniline yellow, iodoform.

- Chemistry involved in the titrimetric excercises - Acids bases and the use of indicators, oxalic-acid vs $KMnO_4$, Mohr's salt vs $KMnO_4$.

- Chemical principles involved in the qualitative salt analysis:

Cations - Pb_2+ , Cu_2+, AI_3+, Fe_3+, Zn_2+, Ni_2+, Ca_2+, Ba_2+, Mg_2+, NH_4+.

Anions- CO_{32}-, S_2-, SO_{42}-, NO_2-, NO_3-, CI -, Br, I. (Insoluble salts excluded).

- Chemical principles involved in the following experiments:

1. Enthalpy of solution of $CuSO_4$
2. Enthalpy of neutralization of strong acid and strong base.
3. Preparation of lyophilic and lyophobic sols.
4. Kinetic study of reaction of iodide ion with hydrogen peroxide at room temperature.

SYLLABUS FOR APTITUDE TEST B. ARCH./B. PLANNING

Part - I   Awareness of persons, places, Buildings, Materials.) Objects, Texture related to Architecture and build~environment. Visualising three dimensional objects from two dimensional drawings. Visualising. different sides of three dimensional objects. Analytical Reasoning Mental Ability (Visual, Numerical and Verbal).

Part - II   Three dimensional - perception: Understanding and appreciation of scale and proportion of objects, building forms and elements, colour texture, harmony and contrast. Design and drawing of geometrical or abstract shapes and patterns in pencil. Transformation of forms both 2 D and 3 D union, substraction, rotation, development of surfaces and volumes, Generation of Plan, elevations and 3 D views of objects. Creating two dimensional and three dimensional compositions using given shapes and forms.

Sketching of scenes and activities from memory of urbanscape (public space, market, festivals, street scenes, monuments, recreational spaces etc.), landscape (river fronts, jungles. gardens, tre es, plants etc.) and rural life.

Note: Candidates are advised to bring pencils, own geometry box set, erasers and colour pencils and crayons for the Aptitude Test.

ADDRESSES OF DESIGNATED BRANCHES OF SYNDICATE BANK, INSTITUTIONS AND REGIONAL OFFICES OF THE CBSE FROM WHERE INFORMATION BULLETIN WITH APPLICATION FORM CAN BE PROCURED AGAINST CASH PAYMENT (NOT BY POST)

S.No.	PLACE	SYNDICATE BANK/ INSTITUTION/ROs OF CBSE	ADDRESSES
ANDAMAN & NICOBAR			
1	PORT BLAIR	SYNDICATE BANK	19- TAGORE ROAD, GANDHI NAGAR, MOHANPURA, PORT BLAIR- 744101, ANDAMAN ISLANDS.
ANDHRA PRADESH			
2	HYDERABAD	INSTITUTION	BHARTIYA VIDYA BHAVAN, JUBILEE HILLS, HYDERABAD
3	HYDERABAD	INSTITUTION	HOWARD PUBLIC SCHOOL, HIMAYAT NAGAR, HYDERABAD
4	SECUNDRABAD	INSTITUTION	ARMY PUBLIC SCHOOL, R.K. PURAM, SECUNDERABAD
5	VIJAYAWADA	INSTITUTION	V.P. SIDDHARTHA PUBLIC SCHOOL, MOGALRAJAPURAM, VIJAYWADA
6	VIJAYAWADA	INSTITUTION	N. ST. MATHEWS PUBLIC SCHOOL, PATAMATA, VIJAYWADA
7	GUNTUR	INSTITUTION	SRI VENKATESWARA BALA KUTEER, 3RD LINE, SHYAMALA NAGAR, GUNTUR
8	TIRUPATI	INSTITUTION	KENDRIYA VIDYALAYA NO. 1, RAM NAGAR AREA, TIRUPATI-517507
9	TIRUPATI	INSTITUTION	BHARTIYA VIDHYA BHAWAN, SHRI VENKTESHWARA VIDHYALAYA, BHAWANS CAMPURS, ALIPIRI, TIPURATI-517507
10	ANANTPUR	INSTITUTION	SRI SATHYA SAI HR. SEC. SCHOOL, PRASANTHI NILAYAM, ANANTPUR
11	WARANGAL	INSTITUTION	WARANGAL PUBLIC SCHOOL, HUNTER ROAD, HANAMKONDA, WARANGAL
12	VISAKHAPATNAM	INSTITUTION	VIKAS VIDYA NIKETAN, D. NO. 1-1-1-/1 SHEELA NAGAR, NH-5, VISAKHAPATNAM
13	VISAKHAPATNAM	INSTITUTION	RAMANATH SECONDARY SCHOOL, NSTL COMPLEX, VIGYAN NAGAR, VISAKHAPATNAM
14	VISAKHAPATNAM	INSTITUTION	DELHI PUBLIC SCHOOL, VISAKHAPATNAM STEEL PLANT, SEC-08, UKKUNAGARAM, VISAKHAPATNAM-530032
ARUNACHAL PRADESH			
15	ITANAGAR	INSTITUTION	GYAN GANGA VIDYAPEETH, CHANDER NAGAR, ITANAGAR-791111
ASSAM			
16	GUWAHATI	SYNDICATE BANK	135, MOTILAL NEHRU ROAD, PAN BAZAR, GUWAHATI-781001.
17	JORHAT	SYNDICATE BANK	JPR ROAD JUNCTION, GAR ALI, P B NO.92, JORHAT-785001
18	SILCHAR	INSTITUTION	NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR, ASSAM
BIHAR			
19	PATNA	INSTITUTION	D.A. V. PUBLIC SCHOOL, BSEB COLONY, NEW PANAI CHAK, PATNA-800023
20	PATNA	INSTITUTION	KENDRIYA VIDHYALA, LOHIA NAGAR, KANKAR BAGH, PATNA-800020
21	PATNA	SYNDICATE BANK	RANJAN PATH, WEST OF BAILY ROAD, GYAN NIKETAN BLDG., GOLA ROAD, DANAPUR-801503, PATNA
22	PATNA	INSTITUTION	ST. MICHAEL'S HIGH SCHOOL, DIGHA GHAT PO, PATNA 800011
23	PATNA	INSTITUTION	ST. DOMINIC SAVIO'S HIGH SCHOOL, SHIKSA KENDRA, NASRI GANJ, DHIGHA, PATNA-800012
24	PATNA	INSTITUTION	BALDWIN ACADEMY BORING CANAL ROAD, PATNA-800001
25	MUZAFFARPUR	SYNDICATE BANK	23, CHHOTI KALYANI ROAD, NEAR KALYANI POST OFFICE, MUZAFFARPUR-842001.
26	MUZAFFARPUR	INSTITUTION	DAV PUBLIC SCHOOL, DARBHANGA ROAD, BAKHRI CHOWK, (VIA BOCHAHAN) PO MIRZAPUR, DISTT-MUZAFFARPUR-843103
27	BHAGALPUR	SYNDICATE BANK	PATAL BABU NIWAS, PATAL BABU ROAD, BHAGALPUR-812001
28	BHAGALPUR	INSTITUTION	NAVYUG VIDYALAYA, RADHARANI SINHA ROAD, BHAGALPUR-812001
29	GAYA	INSTITUTION	DAV PUBLIC SCHOOL CIRCUIT HOUSE AREA CANTONMENT AREA GAYA, BIHAR-823001
30	GAYA	SYNDICATE BANK	63, KP ROAD, GAYA, DISTT. GAYA-823001 (BIHAR)
CHANDIGARH			
31	CHANDIGARH	SYNDICATE BANK	SCO 66-67, SECTOR 17-B, BANK SQUARE, PB No. 107, CHANDIGARH-160017
32	CHANDIGARH	SYNDICATE BANK	SCO 174-175, SEC-38, CHANDIGARH 160014
33	CHANDIGARH	INSTITUTION	DELHI PUBLIC SCHOOL, SEC-40 C, CHANDIGARH
CHHATISGARH			
34	RAIPUR	SYNDICATE BANK	113,SMT SURAJADEVI SHUKLA COMPLEX, NEAR DESHBANDHU, SCHOOL, STATION ROAD, RAIPUR- 492009.
35	BILASPUR	SYNDICATE BANK	29/19, MAIN RAOD, DAYAL BAND, BILASPUR-495001
36	JAGDALPUR	CANARA BANK	JAGDALPUR, DISTT. BASTAR-494001 (CHHATISGARH)
DADAR & NAGAR HAVELI			
37	DADAR & NAGAR HAVELI	INSTITUTION	LIONS ENGLISH SCHOOL, SAYLI ROAD, SILVASSA, DADAR & NAGAR HAVELI 396220
DAMAN & DIU			
38	DAMAN & DIU	INSTITUTION	COAST GURD PUBLIC SCHOOL, AIRPORT ROAD, DAMAN 396210

S.No.	PLACE	SYNDICATE BANK/ INSTITUTION/ROs OF CBSE	ADDRESSES
DELHI/NEW DELHI			
39	ASAF ALI ROAD	SYNDICATE BANK	29 A/1, MADHO MANSION, 1st FLOOR, ASAF ALI ROAD, N.DELHI-110001
40	K.G. MARG	SYNDICATE BANK	JEEVAN PRAKASH BUILDING, IST FLOOR, 25, K.G. MARG, NEW DELHI-110001
41	GREEN PARK EXTN	SYNDICATE BANK	B-12, GREEN PARK EXTN., NEW DELHI-110016
42	KASHMIRI GATE	SYNDICATE BANK	1529 & 1532, CHURCH ROAD, KASHMIRI GATE, PB No. 1677, DELHI-110006.
43	PUNJABI BAGH	SYNDICATE BANK	BLDG. No. 2&3, CENTRAL MARKET, WEST PUNJABI BAGH, N. DELHI-110026.
44	VIKASPURI	SYNDICATE BANK	G-11, VIKASPURI, NEW DELHI-110018.
45	ROHINI	SYNDICATE BANK	PLOT No. 2, SERVICE CENTRE, COMPETENT PLAZA, ROHINI, SECTOR-5, DELHI-110085.
46	PREET VIHAR	SYNDICATE BANK	CBSE BUILDING, 2, COMMUNITY CENTRE, PREET VIHAR, DELHI-110092.
47	EAST BLOCK R.K. PURAM	SYNDICATE BANK	EAST BLOCK (BSF), BLOCK NO. 9, R.K. PURAM, NEW DELHI-110066
48	SHAHDARA	SYNDICATE BANK	9411-9416 SHANKAR MARKET, RAILWAY ROAD, CHHOTA BAZAR, SHAHDARA, DELHI-110032.
GOA			
49	PANAJI	SYNDICATE BANK	HOTEL NOVA GOA BUILDING, Dr. ATMARAM BORKAR ROAD, PB No. 193, PANAJI-403001
GUJARAT			
50	AHEMDABAD	SYNDICATE BANK	NEPTUNE TOWER, OPP. NEHRU BRIDGE, ASHRAM ROAD, P B NO. 4078, AHEMDABAD-380009.
51	AHEMDABAD	INSTITUTION	PRAKASH HIGHER SECONDARY SCHOOL, NEAR SANDESH PRESS, BADAKDEV, AHEMDABAD-380054
52	RAJKOT	SYNDICATE BANK	ABBASI-CHAMBER, NR. PARA BAZAR, DHEVAR ROAD, RAJKOT-360001
53	SURAT	SYNDICATE BANK	RATAN KUTIR BUILDING, P B NO.277, SALABATPURA, MAIN ROAD, SURAT-395003
54	SURAT	SYNDICATE BANK	OPPOSITE GANDHI SMRUTI BHAVAN, TIMALIWAD, NAN PURA, SURAT -395001
55	SURAT	INSTITUTION	ESSAR INTERNATIONAL SCHOOL, ESSAR TOWNSHIP, HAZIRA, SURAT-394270
56	VADODARA	SYNDICATE BANK	DHAYBER SHOPPING CENTRE, MANDVI, CENDIGATE ROAD, P.B. NO.8, MANDVI, VADODARA-390017
HARYANA			
57	AMBALA CANTT	SYNDICATE BANK	3704/7, PANNA COTTAGE, JAGADHARI ROAD, AMBALA CANTT 133001.
58	HISSAR	SYNDICATE BANK	SCO 152-153, UCEIN, NEAR TELEPHONE EXCHANGE, RED SQUARE MARKETS, HISSAR-125001
59	FARIDABAD	SYNDICATE BANK	48, NEELAM BATA ROAD, P.B. No. 23, FARIDABAD-121001
60	KARNAL	SYNDICATE BANK	NETAJI SUBHASH MARKET, COMMITTEE CHOWK, KARNAL-132001.
61	KURUKSHETRA	SYNDICATE BANK	SCO-14, SECTOR 17, URBAN STATE, KURUKSHETRA-136118
62	ROHTAK	SYNDICATE BANK	JHAJJAR ROAD, ROHTAK-124001
63	GURGAON	SYNDICATE BANK	472/11, OLD RAILWAY ROAD, GURGAON-122001
64	PANIPAT	SYNDICATE BANK	548/20 COLONY, G.T. ROAD, PANIPAT, DISTT. PANIPAT-132103
65	SIRSA	SYNDICATE BANK	CITY THANA ROAD, SIRSA-125055, DISTT. SIRSA
HIMACHAL PRADESH			
66	SHIMLA	SYNDICATE BANK	6, THE MALL, SHIMLA-171001
67	DHARAMSHALA	INSTITUTION	BHAGIRATHI DAS, D.A.V. PUBLIC SCHOOL, DHARAMSHALA-176215
68	MANDI	INSTITUTION	D.A.V. CENTENARY PUBLIC SCHOOL, JAWAHAR NAGAR, MANDI-175001
69	SOLAN	INSTITUTION	MRA D.A.V. SR. SEC. SCHOOL, BYPASS, SOLAN-173212
70	HAMIRPUR	INSTITUTION	NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR-177005 (HP)
JAMMU & KASHMIR			
71	JAMMU	SYNDICATE BANK	SANT PALACE, PURANI MANDI, JAMMU-180001
72	JAMMU	INSTITUTION	BSF SR. SEC. SCHOOL, PALORA CAMPUS, JAMMU-181124
73	SRINAGAR	INSTITUTION	DELHI PUBLIC SCHOOL, ATHWAJAN, BYE PASS CHOWK, SRINAGAR(J&K) 190004
JHARKHAND			
74	BOKARO ST CITY	SYNDICATE BANK	C-1, CITY CENTER, SEC-IV, P.B. No. 27, BOKARO STEEL CITY-827004.
75	BOKARO	INSTITUTION	CHINMAYA VIDYALAYA, SEC-05, BOKORO STEEL CITY, BOKARO-827006
76	DHANBAD	SYNDICATE BANK	BALAJEE MANSIONS, KATRAS ROAD, DHANBAD-826001
77	DHANBAD	INSTITUTION	D.A.V. PUBLIC SCHOOL, KOYLA NAGAR, DHANBAD-826005
78	RANCHI	SYNDICATE BANK	IST FLOOR, RANI SATI MARKET, LALJI HIRJI ROAD, RANCHI-834001.
79	JAMSHEDPUR	SYNDICATE BANK	No.1, MONUMENT ROAD, BISTUPUR, JAMSHEDPUR- 831001, DISTT PURBI SINGHBHUM
80	DEOGHAR	SYNDICATE BANK	94, ASSAM ACCESS ROAD, HOTEL PRABHA COMPLEX, DEOGHAR, DISTT. DEOGHAR-814112

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S.No.	PLACE	SYNDICATE BANK/ INSTITUTION/ROs OF CBSE	ADDRESSES
KARNATAKA			
81	BANGALORE CANTT.	SYNDICATE BANK	SHANTHI KAMAL MANSION, 33 DICKENSON ROAD, CANTONMENT, P.O. BOX No.4206, BANGALORE-560042.
82	BANGALORE	INSTITUTION	KENDRIYA VIDYALAYA, MEG & CENTER ST. JOHNS CHURCH ROAD, NEAR KAMARAJ ROAD, BANGALORE-560042
83	BANGALORE	INSTITUTION	KENDRIYA VIDYALAYA, ASC CENTER(S), VICTORIA ROAD, OPP. FOOTBALL STADIUM, BANGALORE-560047
84	BWSSB-BANGALORE BRANCH	SYNDICATE BANK	10/1 1ST FLOOR, RAJDOTH COMPLEX, AVENUE ROAD, MYSORE BANK CIRCLE, ENTRANCE, BANGALORE-560002
85	MANGALORE	SYNDICATE BANK	LIGHT HOUSE HILL ROAD, HAM PANKATHA, MANGALORE-575001, DISTT. DAKSHINA KANNADA
KERALA			
86	THIRUVANTHA PURAM	SYNDICATE BANK	KERALA STATE CO-OPERATIVE AGRICULTURE AND RURAL DEVELOPMENT BANK BUILDING, STATUE JUNCTION, P.B. No.314, THIRUVANTHAPURAM-695001.
87	ERNAKULAM	SYNDICATE BANK	PIONEER TOWERS, IST FLOOR, P B 2616, SHANMUGHAM ROAD, ERNAKULAM-682031
88	KOZHIKODE	SYNDICATE BANK	P B NO.61,CHEROOTY ROAD, KOZHIKODE-673001
89	KOTTAYAM	SYNDICATE BANK	DOOR NO VII/854, BAKER JUNCTION, KOTTAYAM-686001
90	THIRISSUR	SYNDICATE BANK	PALACE ROAD, THIRISSUR (KERALA)-680020
LAKSHADWEEP			
91	KAVARATTI ISLAND	SYNDICATE BANK	VIA P.O. KOCHI, KAVARATTI, LAKSHADWEEP-682555
92	ANDROTH ISLAND	SYNDICATE BANK	VIA PO KOCHI, ANDROTH, LAKSHADWEEP- ISLAND-682551, (VIA HPO, KOCHI)
93	KADAMAT ISLAND	SYNDICATE BANK	VIA HPO KOCHI NO-C-5-175, KADAMAT ISLAND, LAKSHADWEEP-682556
94	MINICOY ISLAND	SYNDICATE BANK	VIA HEAD POST OFFICE, KOCHI, LAKSHADWEEP-682559
MADHYA PRADESH			
95	INDORE	SYNDICATE BANK	67 MTH COMPOUND, RAJA RAM MOHAN COMPLEX, RAJWADA CHOWK, INDORE-452004.
96	INDORE	INSTITUTION	VIDYA SAGAR SCHOOL, BICHOLI MARDANA INDORE-452016
97	BHOPAL	SYNDICATE BANK	102/103, KALACHAND MANSION, BERASIA ROAD, BHOPAL-462001.
98	BHOPAL	INSTITUTION	DELHI PUBLIC SCHOOL, NEAR NEEL BAD CROSSING, BHADBHADA ROAD, BHOPAL-46244
99	GWALIOR	SYNDICATE BANK	MOTI MARKET, JAYENDRAGANJ, LASHKAR, P.B.13, GWALIOR-474001
100	GWALIOR	INSTITUTION	ARMY PUBLIC SCHOOL, MORAR CANTT. GWALIOR-474006
101	JABALPUR	SYNDICATE BANK	MOTIWALA MARKET, JAIN MANDIR MARG, LORD GANJ, JABALPUR-482002
102	JABALPUR	INSTITUTION	ST. ALOYSIUS SR. SEC. SCHOOL, AHILYABAI MARG, SADAR, JABALPUR-482001
MAHARASHTRA			
103	COLABA MUMBAI	SYNDICATE BANK	4/5, KARTAR BHAWAN, ARTHUR BUNDER ROAD, CAUSEWAY, COLABA, MUMBAI-400005
104	NEW MARINE LINES, MUMBAI	SYNDICATE BANK	10 JOLLY BHAWAN NO. 1 SIR VITHALDAS THAKKERSEY MARG, NEW MARINE LINES, MUMBAI 400020
105	MALABAR HILL, MUMBAI	SYNDICATE BANK	SHREEPAL NAGAR, 12 J M MEHTA ROAD, MALABAR HILLS, MUMBAI-400006
106	MUMBAI	INSTITUTION	ARMY SCHOOL, OPPOSITE INHS, ASWANI, DR. NANA BHOY, MOOS ROAD, COLABA, MUMBAI-400005
107	MUMBAI	INSTITUTION	APPEJAY SCHOOL, SEC-21, KHAR GHAR, NAVI MUMBAI-410210
108	MUMBAI	INSTITUTION	KENDRIYA VIDYALAYA, IIT CAMPUS, POWAI, MUMBAI-400076
109	AURANGABAD	SYNDICATE BANK	PLOT NO. 1 SARADA ARCADE, FRIENDS COLONY, RAILWAY STATION ROAD, AURANGABAD-431001
110	NAGPUR	SYNDICATE BANK	SARDA KUNJ, 84 CENTRAL AVENUE ROAD, SEWASADAN CHOWK, GANDHIBAGH, PB No.-368, NAGPUR-440018
111	NAGPUR	INSTITUTION	BHAWAN BHAGWAN DASS PUROHIT VIDYA MANDIR, LALA LAJPAT MARG, CIVIL LINES, NAGPUR-440001
112	NAGPUR	INSTITUTION	KENDRIYA VIDYALAYA, AJNI, RE BUILDING, MEDICAL COLLEGE ROAD, NAGPUR-440003
113	NAGPUR	INSTITUTION	MODERN SCHOOL, OPPOSITE SUNDER BISCUIT FACTORY, VIDYA NAGAR, KORADI ROAD, NAGPUR -441111
114	PUNE MAIN	SYNDICATE BANK	712, NARAYANPETH, 1ST FLOOR, LAXMI ROAD, PUNE-411030
115	PUNE	INSTITUTION	KENDRIYA VIDYALAYA NO. 1 DEHU ROAD, PUNE-412101
116	PUNE	INSTITUTION	DAV PUBLIC SCHOOL, PLOT NO. 31, S. NO. 157, DP ROAD, AUNDH, PUNE-411007
117	SHOLAPUR MAIN	SYNDICATE BANK	824, WEST MANGALWARPETH, SHOLAPUR-413002
118	AMRAVATI	SYNDICATE BANK	SUMITRA COMPLEX, PRABHAT CHOWK, AMRAVATI 444601
119	NASIK	SYNDICATE BANK	431/4, VISHVA APRT., NEAR ASHOK STAMBH, OLD AGRA ROAD, NASIK 422002
120	NASIK	INSTITUTION	KENDRIYA VIDYALAYA, ISP, NEHRU NAGAR, NASIK ROAD, NASIK-422101

S.No.	PLACE	SYNDICATE BANK/ INSTITUTION/ROs OF CBSE	ADDRESSES
121	NASIK	INSTITUTION	ARMY SCHOOL, DEVLALI, HAMPDON LINES, DEVLALI-422401
122	THANE	SYNDICATE BANK	VITHAL NIWAS, M. G. ROAD, NEAR HARI NIWAS BUS STOP, NAUPADA, THANE 400602
123	THANE	INSTITUTION	DAV PUBLIC SCHOOL, PLOT NO. 11, SEC-10, AIROLI, NAVI MUMBAI-400708
124	THANE	INSTITUTION	KENDRIYA VIDYALAYA, AIR FORCE STATION, KOLSHET ROAD, THANE-400607

MANIPUR

125	IMPHAL	STATE BANK OF INDIA	STATE BANK OF INDIA, IMPHAL-795001

MEGHALAYA

126	SHILLONG	SYNDICATE BANK	U-TIROT SING SYLEN ROAD, SHILLONG, DISTT. EAST KHASI, HILLS-793002 (MEGHALAYA)

MIZORAM

127	AIZWAL	APEX BANK	MIZORAM CO-OP APEX BANK LTD. MAIN BRANCH, AIZWAL-796007

NAGALAND

128	KOHIMA	INSTITUTION	KENDRIYA VIDYALAYA, CRPF CAMP, LARIE HILLS, KOHIMA-797001

ORISSA

129	BHUBANESWAR	SYNDICATE BANK	KALPANA SQUARE, BHUBANESWAR, DISTT. KHURDA -751014
130	BHUBANESWAR	INSTITUTION	DAV PUBLIC SCHOOL, CHANDRA SHEKHAR PUR, PO SAILA SHREE VIHAR, BHUBANESWAR-751021
131	BHUBANESWAR	INSTITUTION	KENDRIYA VIDYALAYA NO.-01, UNIT-IX, PO BHDI NAGAR, BHUBANESHWAR-751022
132	BHUBANESWAR	INSTITUTION	MOTHER'S PUBLIC SCHOOL, DISTT. KHURDA, NEAR IN-DOOR-HALL UNIT-I, BHUBANESHWAR-751009
133	CUTTACK	SYNDICATE BANK	WARD NO. 14, NANDI SHAHI, P.O. CHOWDHARY BAZAR, CUTTACK-753001
134	ROURKELA	SYNDICATE BANK	PLOT NO. 467/941 UMA BHAWAN, BISRA ROAD, ROURKELA-769 001, DISTT. SUNDERGARH

PUNJAB

135	PATIALA	SYNDICATE BANK	SHOP No. 1-2-3, LEELA BHAWAN MARKET COMPLEX,BHUPINDER ROAD,PATIALA-147001
136	JALANDHAR	SYNDICATE BANK	NEAR HOTEL SKYLARK, MODEL TOWN ROAD, PB No. 57, JALANDHAR CITY-144001
137	LUDHIANA	SYNDICATE BANK	KACHEHARI ROAD, NEAR CLOCK TOWER, LUDHIANA-141008.
138	BHATINDA	SYNDICATE BANK	2710, BHAI KA CHAMBER, NEAR, OLD BUS STAND, G.T. ROAD, BHATINDA-151 001.

RAJASTHAN

139	JAIPUR	SYNDICATE BANK	JAIPUR TOWERS, PB No. 16, M I ROAD, JAIPUR-302001
140	JAIPUR	INSTITUTION	INDIA INTERNATIONAL SCHOOL, KSHIPRA PATH, OPP. VT ROAD, MANSAROVER, JAIPUR-302020
141	UDAIPUR	SYNDICATE BANK	1-BAPU BAZAR, UDAIPUR-313001
142	KOTA	SYNDICATE BANK	68, OLD DHANMANDI, SAROVAR, CINEMA ROAD, KOTA 324006
143	KOTA	INSTITUTION	SIR PADAMPAT SINGHANIA SCHOOL, NAYA NOHRA BARAN ROAD, OPP. SAMOOR GLASS FACTOR, KOTA-324001
144	JODHPUR	SYNDICATE BANK	862, DEVENDER SINGVI MARG, CHOPASINA ROAD, JODHPUR-342001

SIKKIM

145	GANGTOK	SYNDICATE BANK	M.G. MARG NEW MARKET GANGTOK, DISTT.-EAST, SIKKIM-737101
146	GANGTOK	STATE BANK OF INDIA	70 MG ROAD, GANGTOK-737101, DISTT. EAST SIKKIM

TAMIL NADU

147	CHENNAI	SYNDICATE BANK	OPP. MOUNT ROAD, POST OFFICE, 38, ANNA SALAI, 1ST FLOOR, P.B. NO. 2208, CHENNAI-600002
148	CHENNAI	SYNDICATE BANK	DOOR NO. 24, 1ST FLOOR, APS PLAZA, SARDAR PATEL ROAD, ADYAR, CHENNAI-600020.
149	CHENNAI	SYNDICATE BANK	PLOT NO 1742, 18TH MAIN ROAD, ANNA NAGAR WEST,CHENNAI-600040.
150	COIMBATORE	SYNDICATE BANK	80, OPPANKARA STREET, COIMBATORE-641001
151	MADURAI	SYNDICATE BANK	134, PALACE ROAD, MADURAI-625001
152	VELLORE	SYNDICATE BANK	10, MUNDY STREET, PB No. 401, VELLORE-632004
153	TIRUNELVELI	SYNDICATE BANK	NO 184/21 WEST CAR STREET, NIZAM COMPLEX, TIRUNELVELI TOWN-627006.
154	TIRUCHIRAPALLI	SYNDICATE BANK	146, WEST BOULEWARD ROAD, P B NO 319 TIRUCHIRAPALLI- 620002

TRIPURA

155	AGARTALA	INSTITUTION	HINDI HR. SEC. SCHOOL, ABHAY NAGAR, KUNJABAN ROAD, AGARTALA-799005

UTTAR PRADESH

156	LUCKNOW	SYNDICATE BANK	177/035, 177/44F OPP. GULMARG HOTEL, HARI BHAWAN, DR. B.N. ROAD, AMINABAD, LUCKNOW-226018.
157	LUCKNOW	SYNDICATE BANK	1/6 VIRAM KHAND, PATRAKAR PURAM CROSSING, GOMTI NAGAR, LUCKNOW-226010

S.No.	PLACE	SYNDICATE BANK/ INSTITUTION/ROs OF CBSE	ADDRESSES
158	LUCKNOW	INSTITUTION	BAL VIDYA MANDIR SR. SEC. SCHOOL, STATION ROAD, CHARBAGH, LUCKNOW-226001
159	LUCKNOW	INSTITUTION	KENDRIYA VIDYALAYA, SEC-J, ALIGANJ, LUCKNOW-226024
160	VARANASI	SYNDICATE BANK	CHETGANJ, VARANASI-221001
161	VARANASI	SYNDICATE BANK	ANAND BAZAR, GODOLIA CHOWK, VARANASI-221001 (U.P.)
162	BAREILLY	SYNDICATE BANK	167A, CIVIL LINES, BAREILLY-243001
163	AGRA	SYNDICATE BANK	43/2, MANISHA BLOCK, SANJAY PLACE, AGRA-282002
164	GORAKHPUR	SYNDICATE BANK	NEAR AD GIRLS INTER COLLEGE, BANK ROAD, GOLGHAR, GORAKHPUR-273001
165	ALLAHABAD	SYNDICATE BANK	CHANDRA SHEKHAR AZAD MARKET, IST FLOOR, SARDAR PATEL MARG, CIVIL LINES, P B NO.106, ALLAHABAD-211001
166	KANPUR	SYNDICATE BANK	B-1/B, OFFICERS COLONY, SARVODAYA NAGAR, KANPUR-208005,
167	MEERUT	SYNDICATE BANK	201, SAKET, MEERUT-250003
168	NOIDA	SYNDICATE BANK	B-16-17, SECTOR-18, NOIDA, DISTT. GAUTAM BUDH NAGAR-201301
169	ALIGARH	SYNDICATE BANK	NCC CAMPUS, ALIGARH MUSLIM UNIVERSITY, ALIGARH-202002
170	GHAZIABAD	SYNDICATE BANK	R-1/77, GROUND FLOOR, NEW RAJNAGAR, GHAZIABAD-201002
171	BULANDSHAHR	SYNDICATE BANK	48-A, CIVIL LINES, BULANDSHAHR-203001.
UTTARAKHAND			
172	DEHRADUN	SYNDICATE BANK	45, RAJPUR ROAD, PB No. 30, DEHRADUN-248001
173	DEHRADUN	INSTITUTION	SCHOOLARS HOME SR. SEC. SCHOOL, 153, RAJPUR ROAD, JAKHAN, DEHRADUN-248009
174	HARDWAR	SYNDICATE BANK	GROUND FLOOR, PARIMISTHI BLDG., DEVPURA (NR. HIMGIRI HOTEL), HARDWAR-249401
175	HALDWANI	INSTITUTION	DAV CENTENARY PUBLIC SCHOOL, PO BOX-25, HALDWANI-263139
176	ROORKEE	INSTITUTION	MONTFORT SR. SEC. SCHOOL, PO BELDA, ROORKEE-247667
177	NAINITAL	INSTITUTION	BIRLA VIDYA MANDIR, NAINITAL-263001
178	ALMORA	INSTITUTION	ARMY SCHOOL, ALEXANDER LINES, ALMORA-263601
179	PANT NAGAR	INSTITUTION	GOVIND BALLABH UNIVERSITY OF AGRICULTURE & TECHNOLOGY, PANT NAGAR, DISTT. U. S. NAGAR-263145
180	PAURI GARHWAL	INSTITUTION	DAV PUBLIC SCHOOL, KOTDWARA DISTT., PAURI GARWAL-246149
PUDUCHERRY			
181	PUDUCHERRY	SYNDICATE BANK	No. 122 & 124, J N STREET, (Upstairs), NEAR VELAN SILKS, PUDUCHERRY-605001
WEST BENGAL			
182	N.S. ROAD, KOLKATA	SYNDICATE BANK	6 NETAJI SUBHAS ROAD, ROYAL EXCHANGE, DALHOUSE AREA, PB No. 2043, KOLKATA-700001
183	SALT LAKE CITY KOLKATA	SYNDICATE BANK	BB24, SECTOR-1, SALT LAKE CITY, KOLKATA-700064
184	BARA BAZAR KOLKATA	SYNDICATE BANK	KAVERI HOUSE, 132/1, M G ROAD, KOLKATA-700007.
185	DURGAPUR	SYNDICATE BANK	SHRI LAKSHMI NARYAN BHAWAN, NACHAN ROAD, BENACHITY DURGAPUR-713213
186	ASANSOL	SYNDICATE BANK	16, G.C. MITRA ROAD, HUTTON ROAD, ASANSOL-713301, DISTT. BARDDHAMAN
187	KHARAGPUR	SYNDICATE BANK	197/259, MALANCHA ROAD, KHARAGPUR-721301, DISTT. PASCHIM MEDINIPUR
188	SILIGURI	SYNDICATE BANK	KILLA BHAWAN, SAGARMAL RAJKUMAR COMPLEX, STATION, FEDAR ROAD, SILIGURI-734405,DIST. DARJEELING
REGIONAL OFFICES OF CBSE			
189	AJMER	REGIONAL OFFICE	THE REGIONAL OFFICER, CBSE, TODARMAL MARG, AJMER-305001
190	PANCHKULA	REGIONAL OFFICE	THE REGIONAL OFFICER, CBSE, SECTOR 5 , PANCHKULA(HARYANA)
191	GUWAHATI	REGIONAL OFFICE	THE REGIONAL OFFICER, CBSE, RAJGARH ROAD, RAJGARH TINALI, GUWAHATI-781003
192	ALLAHABAD	REGIONAL OFFICE	THE REGIONAL OFFICER, CBSE, 35-B, M.G. MARG, CIVIL LINES, ALLAHABAD-211011, U.P.
193	CHENNAI	REGIONAL OFFICE	THE REGIONAL OFFICER, CBSE, PLOT NO. 1630-A, J-BLOCK, ANNA NAGAR, CHENNAI-600040 (W), TAMIL NADU.
194	PATNA	REGIONAL OFFICE	THE REGIONAL OFFICER, CBSE, 8TH FLOOR, BSFC BUILDING, FRAZER ROAD, PATNA-800001
195	BHUBANESHWAR	REGIONAL OFFICE	THE REGIONAL OFFICER, CBSE, 6TH FLOOR, ALOK BHARTI BUILDING, SHAHEED NAGAR, BHUBANESHWAR
ABROAD			
196	DUBAI	INSTITUTION	THE INDIAN HIGH SCHOOL, P.O.BOX NO. 106, DUBAI, U.A.E.
197	RIYAD	INSTITUTION	INTERNATIONAL INDIA SCHOOL, P.O. NO. 89788, RIYAD, KINGDOM OF SAUDI ARABIA

APPENDIX - V

INSTRUCTIONS FOR COMPLETING AND SENDING THE APPLICATION FORM BY POST

The candidate seeking admission to the AIEEE is required :-

i)   to go through the Information Bulletin carefully and acquaint with all the requirements;

ii)   to satisfy eligibility to appear in the examination;

iii)   to send the application on the prescribed Application Form complete in all respect or submit it online;

iv)   to write complete mailing address with Postal Pin Code in the Application Form in the capital letters only;

v)   to fill in the Application Form in own handwriting in BLOCK LETTERS in English only, using blue/black ball point pen, within the prescribed boxes. Use blue/black ball point for darkening the appropriate circle(s) also.

vi)   **to write amount of additional fee, Bank draft/Demand draft No., date and Bank Code properly if applying for both BE/B.Tech and B.Arch/B.Planning together, or opted centre at foreign country.**

vii)   **OVERWRITING, CUTTINGS, ERASINGS IN THE APPLICATION FORM AND INCOMPLETE FORM MAY LEAD TO REJECTION OF FORM AND SHOULD BE AVOIDED. ANY ERROR ARISING ON THIS ACCOUNT SHALL BE THE RESPONSIBILITY OF THE CANDIDATE.**

viii) The Application Form duly filled in should be sent to THE ASSISTANT SECRETARY(AIEEE), CENTRAL BOARD OF SECONDARY EDUCATION, PS 1-2 INSTITUTIONAL AREA, IP EXTENSION, PATPARGANJ, DELHI-110092 in the printed envelope supplied by the Board so as to reach positively by **20.01.2011. The Application Form will not be received personally in any case.** The candidate must retain photocopy of his/her filled in Application Form for future correspondence, if required.

ix)   The last date for receipt of Application Form by **Registered/Speed Post (NOT BY COURIER) is 20.01.2011**. Thereafter 15 days grace time for receipt of Application Form upto 04.02.2011 will be allowed to the candidates belonging to remote areas viz. Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura, Lahaul and Spiti District and Pangi sub division of Chamba District of Himachal Pradesh, Andaman & Nicobar Island and Lakshadweep

x)   **If a candidate submits more than one Application Form, his/her candidature shall liable to be cancelled and debarred for future examination(s). No communication will be sent in this regards. Candidates opting online examination are not allowed to apply for pen and paper examination and Vice Versa and if they do so their candidature will be automatically rejected as it is not permitted to appear in both the examination by the candidate.**

xi)   **(a)   For Sl. Nos. 1, 2 & 3 of the Application Form :-** Candidate should write his/her name, mother's name, father's name in capital letters as given in Class X Certificate of Board/University. Each letter should be filled in one box as shown below. One box should be left blank between each part of the name. Before filling in the Application Form, write on a plain paper and verify the correctness of spellings.

Candidate's Name : SHIKHA CHUGH

| S | H | I | K | H | A | | C | H | U | G | H | | | | |

Mother's Name : SHARDA RANI

| S | H | A | R | D | A | | R | A | N | I | | | | | |

Father's Name : RAM KISHAN

| R | A | M | | K | I | S | H | A | N | | | | | | |

(b)   Please note : For Sl. Nos. 4 to 10, 12, 13 & 17 of the Application Form : In case of discrepancy in written code and darkened circle, code written in the box(es) shall be taken as final without any correspondence.

For Sl.Nos. 4 to 7,9 & 12 of the Application Form :- Write appropriate Code and darken the appropriate circle as applicable for the following:-

☐ Choice of Examination Centre Cities (Please see Appendix VI)

☐ State Code of Eligibility   For State code please see point 'm' of this Appendix

☐ Sex

☐ Nationality

☐ Question Paper Medium

☐ Category

(c)   For Sl. No. 8 of the Application Form : In case of girl candidate if you are the only child of your parents i.e. no brother or sister write 1 in the box and darken circle Yes. Otherwise write 2 in the box and darken circle No.

(d)   For Sl. No. 10 of the Application Form i.e Date of Birth : Write and darken the appropriate circle for the date, month and year of birth as per English calendar and as recorded in the Secondary Education Board/ University Certificate.

Use numerals 01 to 31 for the date, 01 to 12 for the month and last two digits for the year of birth as shown below.

e.g. 3rd October, 1985   29th November, 1988

DATE	MONTH	YEAR		DATE	MONTH	YEAR
0 3	1 0	8 5		2 9	1 1	8 8

(e) For S. Nos. 11, 14, 15 and 16 of the Application Form : Darken the appropriate circle(s) as applicable for the following:-

☐ Place of residence

☐ School Board of Class-XII

☐ Type of Institution of Class-XII

☐ Mode of preparation

(f) For S. No. 13 of the Application Form : Write appropriate Code from the following:

	CODE
If Physically Handicapped	1
If not	2

(g) For S. No. 17 of the Application Form i.e Courses Applying for : Write appropriate Code and darken the appropriate circle as applicable from the following:

COURSE	CODE
B.E./ B.TECH. only	5
B.ARCH only	6
B.E./B.TECH and B.ARCH (Both)	7

(h) For Sl. No. 18 of the Application Form : The candidate should affix left hand thumb impression failing which application form will be cancelled.

(i) For Sl. No. 19, 20 and 21 of the Application Form : Write appropriate code as applicable for the following:-

☐   Percentage of Marks (rounded off to the nearest integer)obtained in Class X and Class XII (if passed)

☐   Year of passing/appearing Class XII (This information must be supplied otherwise application will be rejected)

☐   Father's / Guardian's / Mother's Educational Qualifications

☐   Father's / Guardian's / Mother's Occupation   } **Sl. No. 21**

☐   Father's / Guardian's / Mother's Annual Income

(j) For Sl.No. 22 of the Application Form i.e Mailing Address : Write your name and complete mailing address IN CAPITAL LETTERS including the PIN CODE at which the communication is to be sent.

(k) For Sl. No. 23 of the Application Form : Write your complete STD Code & telephone No, if available.

(l) For Sl. No. 24 - please fill up details of additional fees to be paid in case applying for both BE/B.Tech & B. Arch/B. Planning (together) or opting examination centre in foreign country. In case of payment of additional fees of Rs. 400/- please prefix **0** before the amount i.e. | 0 | 4 | 0 | 0 |

(m) State Code of Eligibility of the candidate:

(i)   State Code of eligibility means the Code of the State from where a candidate has passed +2 examination by virtue of which he/she becomes eligible to appear in the AIEEE for admission to B.E/B.Tech and B.Arch/B. Planning Courses of the institutions/ Colleges of the States/UT.

(ii) Indian nationals passing the equivalent qualifying examination from any institution abroad, the State of Eligibility will be determined on the basis of permanent address given in the Passport of the candidate.

NAME OF THE STATE/UT	CODE
Andaman & Nicobar Islands	01
Andhra Pradesh	02
Arunachal Pradesh	03
Assam	04
Bihar	05
Chandigarh	06
Chhattisgarh	07

NAME OF THE STATE /UT	CODE
Dadra & Nagar Haveli (UT)	08
Daman & Diu (UT)	09
Delhi (NCT)	10
Goa	11
Gujarat	12
Haryana	13
Himachal Pradesh	14
Jammu & Kashmir	15
Jharkhand	16
Karnataka	17
Kerala	18
Lakshadweep (UT)	19
Madhya Pradesh	20
Maharashtra	21
Manipur	22
Meghalaya	23
Mizoram	24
Nagaland	25
Orissa	26
Puducherry (UT)	27
Punjab	28
Rajasthan	29
Sikkim	30
Tamil Nadu	31
Tripura	32
Uttar Pradesh	33
Uttarakhand	34
West Bengal	35

(n) **Photograph :** Firmly affix two recent high contrast passport size preferably black & white photograph (taken on or after 1.9.2010) with gum/fevicol (not to be pinned or stapled) in the space provided for it in the Application Form one duly attested by the head of the institution where the candidate is studying/ passed class XII or the Gazatted officer. The photograph must indicate clearly the name of the candidate along with the date of taking the photograph. It should be without cap or goggles. Spectacles are allowed. Polaroid photos are not acceptable. The photograph of the candidate should be attested by the Principal/Head of the Institution or Gazetted Officer in such a way that part of the signature is on the photograph and remaining part of the signature is on the application form. Attestation should be done on the bottom part of the photograph so that the photograph is not defaced. Candidates not complying with these instructions or with unclear photograph are liable to be rejected. Candidates may keep 6-8 identical photographs in reserve for use at the time of entrance examination/Counselling/Admission.

SHIKHA CHUGH
15.10.2010

(o) **Request for change or correction of any information, once given in the Application Form, shall not be entertained under any circumstances. The Board will not be responsible for any consequences arising out of non-acceptance of any correction/addition/deletion in any particular once filled in the application form whatsoever the reasons may be.**

LIST OF CITIES WHERE ALL INDIA ENGINEERING / ARCHITECTURE ENTRANCE EXAMINATION WILL BE CONDUCTED

NAME OF THE STATE/CITY	CITY CODE	NAME OF THE STATE/CITY	CITY CODE
ANDAMAN & NICOBAR		**GOA**	
PORT BLAIR	201	PANAJI	219
ANDHRA PRADESH		**GUJARAT**	
GUNTUR	202	AHMEDABAD	220
HYDERABAD	203	SURAT	221
TIRUPATI	204	VADODARA	222
VIJAYAWADA	205	**HARYANA**	
VISAKHAPATNAM	206	FARIDABAD	223
WARRANGAL	207	HISSAR	224
ARUNACHAL PRADESH		KURUKSHETRA	225
ITANAGAR	208	**HIMACHAL PRADESH**	
ASSAM		HAMIRPUR	226
GUWAHATI	209	SHIMLA	227
SILCHAR	210	**JAMMU & KASHMIR**	
BIHAR		JAMMU	228
GAYA	211	SRINAGAR	229
MUZZAFARPUR	212	**JHARKHAND**	
PATNA	213	BOKARO	230
CHANDIGARH/PANCHKULA/MOHALI		DHANBAD	231
CHANDIGARH/PANCHKULA/MOHALI	214	JAMSHEDPUR	232
CHHATTISGARH		RANCHI	233
RAIPUR	215	**KARNATAKA**	
DADAR & NAGAR HAVELI		BANGALURU	234
DADAR & NAGAR HAVELI	216	HUBLI	235
DAMAN & DIU		MANGALORE	236
DAMAN & DIU	217	**KERALA**	
DELHI		ERNAKULAM	237
DELHI	218	KOZHIKODE	238
		TRIVANDRUM	239

NAME OF THE STATE/CITY	CITY CODE	NAME OF THE STATE/CITY	CITY CODE
LAKSHYADEEP		**RAJASTHAN**	
KAVARATI	240	AJMER	261
MADHYA PRADESH		JAIPUR	262
BHOPAL	241	JODHPUR	263
GWALIOR	242	UDAIPUR	264
JABALPUR	243	**SIKKIM**	
INDORE	244	GANGTOK	265
MAHARASHTRA		**TAMIL NADU**	
AMRAVATI	245	CHENNAI	266
AURANGABAD	246	COIMBATORE	267
MUMBAI	247	MADURAI	268
NAGPUR	248	**TRIPURA**	
NASIK	249	AGARTALA	269
PUNE	250	**UTTARAKHAND**	
THANE	251	DEHRADUN	270
MANIPUR		HALDWANI	271
IMPHAL	252	PANTNAGAR	272
MEGHALAYA		ROORKEE	273
SHILLONG	253	**UTTAR PRADESH**	
MIZORAM		AGRA	274
AIZWAL	254	ALLAHABAD	275
NAGALAND		BAREILLY	276
KOHIMA	255	GORAKHPUR	277
ORISSA		KANPUR	278
BHUBANESHWAR	256	LUCKNOW	279
ROURKELA	257	NOIDA	280
PUDUCHERRY		VARANASI	281
PUDUCHERRY	258	**WEST BENGAL**	
PUNJAB		DURGAPUR	282
BHATINDA	259	KOLKATA	283
JALANDHAR	260	SILIGURI	284
		ABROAD	
		DUBAI	285
		RIYAD	286

LIST OF CITIES FOR ONLINE EXAMINATINON FOR B.E. /B. TECH ONLY

Online examination will be conducted for a maximum capacity of 5000 candidates in a city on first-come-first-serve basis. The candidates may opt another city if the seats in a particular city are full.

City Code	Name of the City	City Code	Name of the City
501.	ALLAHABAD	511.	GUWAHATI
502.	AHMEDABAD	512.	HYDERABAD
503.	BANGALURU	513.	JAIPUR
504.	BHOPAL	514.	JALANDHAR
505.	BHUBANESHWAR	515.	KOLKATA
506.	ERNAKULAM	516.	LUCKNOW
507.	CHENNAI	517.	MUMBAI
508.	CHANDIGARH	518.	NAGPUR
509.	DEHRADUN	519.	NOIDA
510.	DELHI	520.	TRIVANDRUM

A. PROCEDURE TO BE FOLLOWED IN CONDUCT OF AIEEE

1. The examination rooms/hall will be opened 30 minutes before the commencement of the test. Candidates should take their seat immediately after opening of the examination hall. If the candidates do not report in time, they are likely to miss some of the general instructions to be announced in the Examination Hall.

2. The candidate must show, on demand, the Admit Card for admission in the examination room/hall. A candidate who does not possess the Admit Card issued by the Board shall not be permitted for the examination under any circumstances by the Centre Superintendent.

3. A seat indicating roll number will be allocated to each candidate. Candidates should find out and occupy their allotted seat only. Any candidate found to have changed room or the seat on his/her own other than allotted, his/her candidature shall be cancelled and no plea would be accepted for it.

4. A candidate who comes after the commencement of the examination shall not be permitted to sit in the examination.

5. **Candidates are not allowed to carry any textual material, Calculators, Docu Pen, Slide Rules, Log Tables, Electronic Watches with facilities of calculator, printed or written material, bits of papers, mobile phone, pager or any other device, except the Admit Card inside the Examination Room/Hall. If any candidate is in possession of any of the above item, his/ her candidature will be treated as unfairmeans and cancel the current examination & also debarred the candidate for future examination(s) & the equipment will be seized.**

6. For Aptitude Test in Architecture, candidates are advised to bring their own geometry box set, pencils, erasers and colour pencils or crayons.

7. No candidate, without the special permission of the Centre Superintendent or the Invigilator concerned, will leave his/her seat or Examination Room until the full duration of the paper is over. Candidates should not leave the room/hall without handing over their Answer Sheets to the Invigilator on duty.

8. Candidates are advised to bring with them a cardboard or a clip board on which nothing should be written, so that they have no difficulty in writing responses in the Answer Sheet even if the tables provided in the examination room/hall do not have smooth surface. They should also bring their own Ball Point Pens (Black/Blue) of good quality.

9. Smoking in the Examination Hall/Room is strictly prohibited.

10. Tea, coffee, cold drinks or snacks are not allowed to be taken into the examination rooms during examination hours.

11. Ten minutes before the commencement of the paper, each candidate will be given sealed Test Booklet with an Answer Sheet placed inside it.

12. Immediately on receipt of the Test Booklet the candidates will fill in the required particulars on the cover page of the Test Booklet with Ball Point Pen only. He/She will not open the Test Booklet until asked to do so by the Invigilator. Do not open/ break the seal before the announcement.

IMPORTANT INSTRUCTIONS PRIOR TO EXAMINATION

13. Five minutes before the commencement of the paper the candidate will be asked to break/open the seal of the Test Booklet. He/She will take out the Answer Sheet carefully. **The candidate should check carefully that the Test Booklet Code printed on Side-2 of the Answer Sheet is the same as printed on the Test Booklet. In case of discrepancy, the candidate should immediately report the matter to the Invigilator for replacement of both the Test Booklet and the Answer Sheet.**

14. Candidate will then write particulars with Blue/Black ball point pen only on both the sides of the Answer Sheet. **Use of pencil is strictly prohibited. If any body use the pencil, his/her answer sheet will be rejected and no correspondence will be entertained in this regard.** After completing this step, the candidates will wait for the signal by the invigilator.

15. The test will start exactly at the time mentioned in the Admit Card and an announcement to this effect will be made by the invigilator.

16. During the examination time, the invigilator will check Admit Card of the candidate to satisfy himself/herself about the identity of each candidate. The invigilator will also put his/her signatures in the place provided in the Answer Sheet on Side-1.

17. Candidate shall bring his/her own Ball Point Pens of good quality. These will not be supplied by the Board.

18. **UNFAIR MEANS :**

    Candidates shall maintain perfect silence and attend to their Question Paper only. Any conversation or gesticulation or disturbance in the Examination Room/Hall shall be deemed as misbehaviour. If a candidate is found using unfair means or impersonating, his/her candidature shall be cancelled and he/she will be liable to be debarred for taking examination either permanently or for a specified period according to the nature of offence.

    If any candidate is in possession of any item(s) as mentioned in para 5 above, his/her candidature for current examination will be cancelled and also liable to be debarred for future examination(s).

19. After completing the paper and before handing over the Answer Sheet, the candidate should check again that all the particulars required in the Answer Sheet have been correctly written.

20. A signal will be given at the beginning of the examination and at half-time. A signal will also be given before the closing time when the candidate must stop marking the responses.

21. The candidate will check that the Test-booklet contains as many number of pages as are written on the top of the first page of the Test Booklet. The candidate shall not remove any page(s) from the Test-Booklet and if he/she is found to have removed any page(s) from his/her Test Booklet, he/she will be presumed to have used unfair means and shall be liable for criminal action.

22. The candidates must sign twice on the Attendance Sheet at the appropriate place. Firstly, immediately after commencement of the Examination and for the second time while handing over the Answer Sheet to the Invigilator. **The candidates are also required to put their left hand thumb impression in the space provided in the Attendance Sheet.**

B. INSTRUCTIONS FOR USE OF TEST BOOKLET AND ANSWER SHEET

1. The candidates will find the Answer Sheet placed inside the sealed Test Booklet. The seal will be broken/ opened by the candidates on the announcement by the invigilator and the Answer Sheet shall be taken out. **Do not open/break the seal before the announcement.**

2. Side 2 of each Answer Sheet will have a pre-printed Test Booklet Code like A, B, C or D. The candidates are required to check that the Test Booklet Code pre-printed on Side-2 of the Answer Sheet is the same as printed on the Test Booklet.

3. The Answer Sheet used will be of special type which will be scanned on Optical Scanner. There will be two sides of the Answer Sheet.

    Side 1   This side of the Answer Sheet contains the following columns which are to be filled in neatly and accurately by the candidate with **Blue/Black ball point pen only. Use of pencil is strictly prohibited.**

    i)   Roll Number

    ii)   Name of the candidate

    iii)   Father's Name

    iv)   Centre Number

    v)   Name of the Examination Centre

    vi)   Signature of the candidate

30

Side 2   This side of the Answer Sheet contains the following columns which are also to be filled in by the candidate with **Blue/Black Ball Point Pen only. Use of pencil is strictly prohibited.**

  i)   Roll Number

  ii)   Centre Number

  iii) Test Booklet Number

WRITING OF PARTICULARS AND RESPONSES ON SIDE 2 WITH BLUE/BLACK BALL POINT PEN ONLY WILL BE FILLED UP AS FOLLOWS:

IMPORTANT
The candidate should check carefully that the Test Booklet Code printed on Side-2 of the Answer Sheet is the same as printed on Test Booklet. In case of discrepancy, the candidate should immediately report the matter to the invigilator for replacement of both the Test Booklet and the Answer Sheet

IMPORTANT INSTRUCTIONS FOR MARKING THE RESPONSES

  i) Out of four alternatives for each question, only one circle for the correct answer is to be darkened completely with blue/black Ball Point Pen only. For example Question No. 008 in the Test Booklet reads as follows:

  Qutub Minar is situated in

  (1) Delhi

  (2) Mumbai

  (3) Agra

  (4) Bangaluru

The correct response to this question is (1) Delhi. The candidate will locate Question No. 008 in the Answer Sheet and darken the circle (1) as shown below:

008   ● (2) (3) (4)

  ii) Use Blue or Black Ball Point Pen to completely darken the appropriate circle, i.e. one circle for each entry. The answer once marked is not liable to be changed. Use of pencil is strictly prohibited. If any candidate use the pencil for darkening the answer sheet, his/her answer sheet will be rejected.

  iii) A light or faintly darkened circle is a wrong method of marking and liable to be rejected by the Optical Scanner.

  iv) If the candidate does not want to attempt any question he/she should not darken the circle given against that question.

  v) Please do not fold the Answer Sheet and do not make any stray marks on it.

4. **ROUGH WORK**

The candidate will not do any rough work on the Answer Sheet. All rough work is to be done in the Test Booklet itself.

5. **CHANGING AN ANSWER IS NOT ALLOWED**

The candidates must fully satisfy themselves about the accuracy of the answer before darkening the appropriate circle as no change in answer once marked is allowed. Use of eraser or white/correction fluid on the Answer Sheet is not permissible as the Answer Sheets are machine gradable and it may lead to wrong evaluation.

Wrong/Correct way of marking

Wrong Method					Correct Method				
021	✓	⊗	③	④	021	●	②	③	④
022	①	✓	③	④	022	①	●	③	④
023	①	②	✓	●	023	①	②	●	④
024	①	②	③	◑	024	①	②	③	●
025	●	⊗	③	④	025	●	②	③	④

If more than one circle is darkened or if the response is marked in any other manner or as shown in 'Wrong Method' above, it shall be treated as wrong way of marking.

6. Prior to handing over the Answer Sheet soon after the examination is over, the candidate must sign the attendance sheet as a proof thereof. **The examinee is permitted to carry the Text Booklet**.

WARNING

1 PERSONS REMOVING PAGES FROM THE TEST-BOOKLET DURING EXAMINATION, IMPERSONATING OR TRYING TO APPEAR IN THE COUNSELLING THROUGH FORGED MEANS WILL BE DEALT WITH AS PER LAW.

2. CANVASSING DIRECTLY OR INDIRECTLY FOR THE ALLOTMENT OF SEATS OR INFLUENCING STAFF BY UNFAIR MEANS WOULD LEAD TO SERIOUS CONSEQUENCES INCLUDING DISQUALIFICATION OF THE CANDIDATES.

INSTRUCTIONS FOR CANDIDATES OPTING FOR B.E./B.TECH ONLINE EXAMINATION ONLY

The option for submission of online examination for B.E./B.Tech only is provisional and the Board has discretion to change the online examination to offline examination i.e. pen & paper examination due to administrative reasons. The candidates will be informed accordingly well in time. They are advised to visit CBSE AIEEE website www.aieee.nic.in regularly.

APPENDIX IX

LIST OF QUALIFYING EXAMINATIONS

i) The +2 level examination in the 10+2 pattern of examination of any recognized Central/State Board of Secondary Examination, such as Central Board of Secondary Education, New Delhi, and Council for Indian School Certificate Examination, New Delhi

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) Any Public School/Board/University Examination in India or in foreign countries recognized by the Association of Indian Universities as equivalent to 10+2 system.

v) H.S.C. Vocational Examination.

vi) A pass grade in the Senior Secondary School Examination conducted by the National Open School with a minimum of five subjects.

vii) 3 or 4-year diploma recognized by AICTE or a State Board of Technical Education.