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INFORMATION BULLETIN

ALL INDIA PRE-MEDICAL/PRE-DENTAL ENTRANCE EXAMINATION-2011

1. INTRODUCTION

In compliance with the directive of the Hon'ble Supreme Court of India, the Central Board of Secondary Education, Delhi, would be conducting the All India Pre-Medical/Pre-Dental Entrance Examination, 2011. This entrance examination is being conducted exclusively for the 15% merit positions for the Medical/Dental Colleges of India as specified in the directive of the court and will be governed by the rules and regulations specified for the same by the Government of India, Ministry of Health and Family Welfare from time to time. The responsibility of the CBSE is limited to the conduct of the entrance examination, declaration of result and providing of merit list to the DGHS as per instructions given by it. The counselling for successful candidates is conducted by the DGHS. During counselling the eligibility criteria, various documents, etc. of the candidate is verified and Medical/Dental College is allotted to the candidate according to the choice.

2. SHORT TITLE

These rules will be called as All India Pre-Medical/Pre-Dental Entrance Examination Rules.

3. DEFINITIONS

- (i) **“Government”** means Government of India.
- (ii) **“Ministry”** means Ministry of Health & Family Welfare, New Delhi.
- (iii) **“Dte. GHS”** means Directorate General of Health Services, New Delhi.
- (iv) **“Board”** means Central Board of Secondary Education, Delhi
- (v) **“Medical Examination & AIPMT”** means All India Pre-Medical/Pre-Dental Entrance Examination.
- (vi) **“Qualifying Examination”** means Examinations on the result of which the candidate becomes eligible to apply for admission to the All India Pre-Medical/Pre-Dental Entrance Examination.
- (vii) **“Rules”** means the rules specified by the Central Board of Secondary Education for the conduct of this examination under the directive of the Hon'ble Supreme Court of India as well as Ministry of Health & Family Welfare.
- (viii) **“Scheduled Castes”** means Scheduled Castes as specified and laid down by the Government of India.
- (ix) **“Scheduled Tribes”** means Scheduled Tribes as specified and laid down by the Government of India.
- (x) **“Other Backward Classes”** means Other Backward Classes as specified and laid down by the Government of India.
- (xi) **“Physically Handicapped”** means Physically Handicapped person as specified and laid down by the Government of India.
- (xii) **“Council”** means Medical Council of India and Dental Council of India.

- (xiii) **“Eligible Candidate”** means a candidate who satisfies the requirement of eligibility as prescribed by M.C.I. and D.C.I.

4. PATTERN OF AIPMT 2011

The entrance examination consists of :

- **Preliminary Examination:**
The Preliminary Examination would consist of one paper containing 200 objective type questions (four options with single correct answer) from Physics, Chemistry and Biology (Botany & Zoology) to be answered on the specially designed machine-gradable sheet using Ball Point Pen only.
The duration of paper would be 3 hours.
- **Final Examination:**
(Only for those who qualify in the Preliminary Examination).
The Final Examination would consist of one paper containing 120 objective type questions (four options with single correct answer) from Physics, Chemistry and Biology (Botany & Zoology) to be answered on the specially designed machine-gradable sheet using Ball Point Pen only.
The duration of paper would be 3 hours.

LANGUAGE OF THE QUESTION PAPERS

Candidates can opt for Question Papers either in **English** or in **Hindi**. This option should be exercised while filling in the Application Form. **It cannot be changed later.**

5. SCHEDULE OF EXAMINATION

- **PRELIMINARY EXAMINATION**
April 03, 2011 (**Sunday**)
10.00 AM to 1.00 PM
- **FINAL EXAMINATION**
May 15, 2011 (**Sunday**)
10.00 AM to 1.00 PM

The schedule will remain unaltered even if any of the above dates is declared a public holiday.

6. SYLLABUS FOR THE EXAMINATION:

The Syllabus is common to both Preliminary and Final Examination. Please see **Appendix-I** for details.

7. CENTRES FOR EXAMINATION

- (i) Lists of cities where the Preliminary & Final Examination will be conducted are given in **Appendix II & III** respectively.
- (ii) The Candidate should select **three convenient city codes** for Preliminary Examination from **Appendix II** and **two city codes** for Final Examination from **Appendix III**.

- (iii) Though every effort will be made to allot a centre in one of the places selected by the candidate, yet the Board reserves its discretion to allot a centre other than the candidate's choice.
- (iv) **Under no circumstances the centre once allotted shall be changed by the Board.**

8. ELIGIBILITY AND QUALIFICATIONS

- (i) He/She has completed age of 17 years at the time of admission or will complete the age on or before 31st December of the year of his/her admission to the 1st year MBBS/BDS Course and is an INDIAN NATIONAL.
- (ii) The upper age limit for All India Pre-Medical/Pre-Dental Entrance Examination is 25 years as on 31st December of the year of the entrance examination. Further provided that this upper age limit shall be relaxed by a period of 5 (five) years for the candidates of Scheduled Castes/Scheduled Tribes/Other Backward Classes.
Candidate must born on or between -
- (a) 01.01.82 to 01.01.95 (SC/ST/OBC Category)
- (b) 01.01.87 to 01.01.95 (Other Category)
- (iii) Students from the States of Andhra Pradesh/J&K are not eligible, as both these States had opted out of All India Scheme since its inception. If they claim eligibility they must submit an affidavit, in original, in the Proforma on Rs 10/- Non-Judicial Stamp Paper duly sworn before and attested by a Metropolitan Magistrate/First Class Judicial Magistrate to the effect that:-
- a) They are not eligible to appear for MBBS/BDS seats in the States of Andhra Pradesh/J&K and hence not eligible to seek admission in Medical/Dental Colleges of Andhra Pradesh/J&K.
and
- b) They are not domiciled in Andhra Pradesh/J&K.

Note: Applications not accompanied with the required affidavits or accompanied with incomplete, unattested or photocopy of the affidavit shall be summarily rejected without any further reference in the matter. The affidavits submitted by such candidates will be verified and if found to be false, the admission of all such candidates shall be cancelled and criminal proceedings may be initiated against them.

For Format of Affidavit please see Appendix IV.

- (iv) **Qualifications and Qualifying examination Codes:**

CODE : 01

The Higher/Senior Secondary Examination or the Indian School Certificate Examination which is equivalent to 10+2 Higher/Senior Secondary Examination after a period of 12 years study, the last two years of such study comprising of Physics, Chemistry, Biology/Bio-technology (which shall

include practical tests in these subjects) and Mathematics or any other elective subject with English at a level not less than the core course for English as prescribed by the National Council of Educational Research and Training after introduction of the 10+2+3 educational structure as recommended by the National Committee on Education.

NOTE: where the course content is not as prescribed for 10 +2 education structure of the National Committee, the candidates will have to undergo a period of one year pre - professional training before admission to the Medical Colleges.

OR

CODE : 02

The Intermediate/Pre-degree Examination in Science of an Indian University/Board or other recognised examining body with Physics, Chemistry, Biology /Bio-technology (which shall include practical test in these subjects) and English.

OR

CODE : 03

The Pre-professional/Pre-medical Examination with Physics, Chemistry, Biology/Bio-technology & English after passing either the Higher Secondary Examination or the Pre-University or an equivalent examination. The Pre-professional/Pre-medical examination shall include practical test in these subjects.

OR

CODE : 04

The first year of the three years' degree course of a recognised University with Physics, Chemistry and Biology/Bio-technology including practical tests in these subjects provided the examination is a University Examination and further that he/she has passed the earlier qualifying examination with Physics, Chemistry, Biology/Bio-technology and English.

OR

CODE : 05

B.Sc. Examination of an Indian University provided that he/she has passed the B.Sc. Examination with not less than two of the subjects Physics, Chemistry, Biology (Botany, Zoology)/Bio-technology and further that he/she has passed the earlier qualifying examination with Physics, Chemistry, Biology and English

OR

CODE : 06

Any other examination which in scope and standard (Last 02 years of 10+2 Study comprising of Physics, Chemistry and Biology/Bio-technology ; Which shall include practical test in these subjects.) is found to be equivalent to the Intermediate Science Examination of an Indian University/Board, taking Physics, Chemistry and Biology/Bio-technology including practical tests in each of these subjects and English.

CODE : 07

A candidate who is taking up the qualifying examination prior to the competitive test, or whose result is awaited, may also apply and take up the said test but he/she shall not be eligible for admission to the MBBS or BDS, if he/she does not pass the qualifying examination with the required pass percentage of marks at the time of first round of allotment by personal appearance.

Provided that to be eligible for competitive entrance examination, candidate must have passed any of the qualifying examinations as enumerated above. Provided also that to be eligible for competitive entrance examination

the candidate must have passed in the subjects of Physics, Chemistry, Biology/Bio-technology and English individually and must have obtained a minimum of 50% marks taken together in Physics, Chemistry and Biology/Bio-technology at the qualifying examination. In respect of the candidates belonging to Scheduled Castes, Scheduled Tribes or Other Backward Classes the marks obtained in Physics, Chemistry and Biology /Bio-technology taken together in qualifying examination and competitive entrance examination (Physics, Chemistry and Biology) be 40% marks instead of 50% for General Candidates. Further, for persons with locomotory disability of lower limbs, the minimum of 45% marks for Gen-PH and 40% marks for SC-PH/ST-PH/OBC-PH are required.

Provided further that the students of Indian Nationality educated abroad seeking admission into medical colleges in India must have passed in the subjects of Physics, Chemistry, Biology/Bio-technology and English upto the 12th standard level with 50% marks and their equivalency determined as per regulations of the Medical Council of India and the concerned University. If a candidate does not fall within the qualifications prescribed as per Code number 01-06 he/she should furnish complete details to determine eligibility.

(v) RESERVATION

Reservation will be made as per following details in 15% All India quota:

- (i) 15% seats are reserved for SC candidates,
- (ii) 7.5% seats are reserved for ST candidates,
- (iii) 27% seats are reserved for non-creamy layer OBC candidates in Central Educational Institutions only as per Hon'ble Supreme Court order dated 10.04.2008. Reservation would be applicable to the castes mentioned in the Central list of OBC. Thus, the candidates falling in this list may mention OBC in the Category Column in application form. Candidates from creamy layer and do not come under Central List are advised to mention their category as General.

(iv) 3% seats are reserved on horizontal basis for PH candidates. The reservation will be made as per 2200 point reservation roster. The mode of implementation of reservation will be available on DGHS website-www.mohfw.nic.in.

NOTE:

- (a) The Pre-medical course may be conducted either at a Medical College or at a Science College.
- (b) After the 10+2 course is introduced the integrated courses be abolished.
- (c) Marks obtained in Mathematics are not to be considered for admission to M.B.B.S. Course.
- (d) No State eligibility criteria will be applicable to the students who take admission under 15% All India Quota Scheme.

9. MODE OF SALE OF INFORMATION BULLETIN AND APPLICATION FORM

- (i) The Information Bulletin containing Application Form can be obtained against cash payment of Rs.800/- for General/OBC Category and Rs. 450/- for Scheduled Caste/Scheduled Tribe Category from any

of 177 specified branches of Canara Bank situated in the different part of the country. **The list of Banks is given in Appendix IX.** Fee once remitted shall not be refunded under any circumstances.

THE CANARA BANK WILL NOT SEND THE INFORMATION BULLETIN BY POST, HENCE NO REQUEST SHOULD BE MADE TO THE BANK FOR SENDING THE BULLETIN BY POST.

- (ii) The Information Bulletin and Application Form can also be obtained from the following offices of the CBSE:-

- (a) The Deputy Secretary (AIPMT) Central Board of Secondary Education, Shiksha Kendra, 2, Community Centre, Preet Vihar, Delhi-110 301 Tel. :011-22509256-59 Fax :011-22509251
- (b) The Regional Officer, CBSE, Todarmal Marg, Ajmer-305 001 (Rajasthan) Tel. : 0145-2627460, 2421543, 2627139, 2627451
- (c) The Regional Officer, CBSE, Sector-5 Punchkula-134 152 (Haryana) Tel. : 0172-2585193, 2585163
- (d) The Regional Officer, CBSE, Seuj Sarani,, Lakhimi Nagar Road Hatigaon Guwahati-781 006 (Assam) Tel.: 0361-2229992-95
- (e) The Regional Officer, CBSE, 35-B, M.G Marg, Civil Lines, Allahabad-211 001 (U.P.) Tel. :0532- 2408970, 2408971, 2407972
- (f) The Regional Officer, CBSE, Plot No. 1630-A J-Block, Anna Nagar Chennai-600 040 (T. N.) Tel. : 044-26161100, 26162213-14
- (g) The Regional Officer, CBSE, 8th Floor, BSFC Building Frazer Road, Patna-800 001 (Bihar) Tel : 0612-2332248, 2332008
- (h) The Regional Officer, CBSE, 6th Floor, Alok Bharati Building, Shaheed Nagar, Bhubneswar-751 007 (Orissa) Tel : 0674-2542312

By Sending a M.I.C.R. Bank Draft of Rs. 850/- by General /OBC Candidate and Rs. 500/- by SC/ST Candidate drawn in favour of **The Secretary, CBSE, Delhi payable at Delhi** by post latest by 24th December, 2010 alongwith a self-addressed envelope of 12" x 10" size. The Bulletin will be sent in the self-addressed envelope by regd/speed post to the applicant.

Against Cash Payment of Rs. 800/- by General/OBC Candidate and Rs. 450/- by SC/ST Candidate.

Canara Bank or its specified Branches and Regional Offices of CBSE will not be responsible for any consequences that may arise due to non-availability of forms from the Banks/Regional Offices. In case, copies of Application Forms are sold out before the last date at any of the branches and the same are not available with the Canara Banks/ Regional Offices of CBSE, the candidates should either apply online or get the same from All India Pre-Medical/Pre-Dental Entrance Examination Unit, CBSE, Shiksha Kendra, 2, Community Centre, Preet Vihar, Delhi-110 301 by post in the manner as specified in 9. (ii) (a) or from the Canara Bank, 34, Netaji Subhash Marg, Daryaganj, New Delhi-110002, or Syndicate Bank, CBSE, Preet Vihar, Delhi-110 301 against cash payment of Rs 800/- by General/OBC Candidate and Rs450/- by SC/ST Candidate personally till the last date of sale of bulletin is over.

The designated Banks will charge Rs. 5/- as Service Charge for the sale of Information Bulletin in addition to the fee.

Candidates should buy the Information Bulletin from the designated branches of the Canara Bank only and not from any private publisher/vender as these may be fake Information Bulletins.

(iii) Submission of Application with late fee:

In case, the date of sale of bulletin is over and candidates wish to fill the application form for AIPMT 2011 Examination, such candidates can submit the application form only on-line from 10.01.2011 to 17.01.2011 with late fee of Rs.500/- only. Therefore, the fee for General/OBC candidates would be Rs.1200/- (Rs.700/- + Rs.500/-) and for SC/ST candidates the fee would be Rs.850/- (Rs.350/- + Rs.500/-). However, Computer Generated Confirmation Page in all respect as applicable for on-line submission must reach to the CBSE on or before 24.01.2011. The rest of the procedure for submitting and sending the application form would be similar to the on-line submission of application form.

10. INSTRUCTIONS FOR COMPLETING AND SENDING THE APPLICATION FORM

A candidate can apply for the All India Pre-Medical/Pre-Dental Entrance Examination in the following two ways:-

10.1 Offline (On prescribed Application Form)

Offline submission of Application may be made on the prescribed Application Form. Information Bulletin containing Application Form can be obtained in the manner as specified in Clause-9.

10.2 Online

Online submission of Application may be made by accessing the Board's website. **The candidates submitting the application on-line would be given a rebate of Rs.100/- in the fee.** The candidate should supply all details while filling up the Online Form. Candidates are required to take a print of the Online

Application after successful submission of data. The print out of the computer generated Application Form, complete in all respects as applicable for Offline submission should be sent through Speed Post / Regd. Post in such a way that it should reach to the Board on or before the last date. Candidate should pay the application fee (Rupees 700/- for General /OBC Category and Rupees 350/- for SC/ST Category). The fee shall be remitted in the following ways:

- (a) By credit card, or
- (b) Through Demand Draft which should be in favour of the Secretary, C.B.S.E., Delhi drawn on any Nationalised bank payable at Delhi. **Write your name, address, contact no. and application number on the back of the Demand Draft.**

More information and instructions for filling-in the Online Application Form will be available on the Board's website from 15.11.2010 (10.00 a.m.) to 31.12.2010 (5.00 p.m.)

Even after the successful submission of online Application Form within due date, if the Computer Generated Application Form is not received by the Board on or before the last date or received without the requisite fee, the Application Form of the candidate will be treated as cancelled.

10.3 Other instructions

- (i) The candidate, before filling-in the form, shall satisfy his/her eligibility to appear in the examination. The candidate is required to go through the Information Bulletin carefully and acquaint himself/herself with all requirements with regard to the filling-in of the Application Form.
- (ii) Application Form should be filled in English only.
- (iii) The candidate shall fill-up the Application Form in his/her own handwriting in BLOCK LETTERS written neatly and legibly with blue/black Ball point pen within the prescribed boxes.
- (iv) **OVERWRITING, CUTTINGS, ERASINGS IN THE APPLICATION FORMS MAY LEAD TO REJECTION OF FORM. ANY ERROR ARISING ON THIS ACCOUNT SHALL BE THE RESPONSIBILITY OF THE CANDIDATES.**
- (v) The Candidate should write his/her complete address in the Application Form for further correspondence. Pin Code should invariably be given in the space provided for Pin-Code.
- (vi) It will be the responsibility of the candidate to ensure that he/she fills-in his/her correct address in the Application Form. Candidates must ensure that address given by them be such at which candidate may be able to get the communication till the counselling is over. **THE BOARD SHALL NOT BE HELD RESPONSIBLE FOR ANY LOSS IN TRANSIT OR FOR AN INCORRECT ADDRESS GIVEN BY THE APPLICANT ON THE APPLICATION FORM.**
- (vii) Candidates should write Code Number against the column provided for Qualifying Examination

passed. If a candidate does not fall within the qualifications prescribed as per Code numbers 01 to 06, he/she should furnish complete details and fill up qualifying examination Code as 07. **Candidates appearing in class XII in 2011 should fill up qualifying code as 07.**

(viii) **ADDRESS OF THE BOARD**

The Application Form duly filled-in alongwith other documents, if any, should be sent to **THE DEPUTY SECRETARY (AIPMT UNIT), CBSE, SHIKSHA KENDRA, 2, COMMUNITY CENTRE, PREET VIHAR, DELHI-110 301** by Registered Post/Speed Post only so as to reach positively by **07.01.2011. The Application Form will not be received personally from candidates in any case.** All other correspondance pertaining to conduct of examination shall also be made on this address.

(ix) **IMPORTANT WEBSITES**

- (a) The official website of the Board for All India Pre-Medical/Pre-Dental Entrance Examination is **www.aipmt.nic.in**. All the examination related information will be available on this website.
- (b) The official website of the Dte.General of Health Services is **www.mohfw.nic.in**. All the counselling related information will be available on this website.

(x) **Last date of Receipt of Application Form**

The last date of receipt of Application Form for both offline and online (confirmation page) is **07.01.2011**. In case the application is submitted online, printout of the computer generated form complete in all respects as applicable for offline submission must reach on or before the last date. 15 days' grace time will be allowed from the last date of submission of the application to the candidates belonging to remote areas viz. **Mizoram, Assam, Meghalaya, Arunachal Pradesh, Manipur, Nagaland, Tripura, Sikkim, Lahaul and Spiti Districts and Pangi sub-division of Chamba District of Himachal Pradesh, Andaman & Nicobar Islands and Lakshadweep.**

(xi) Candidate should write his/her name, mother's name and father's name in capital letters as given in High School Certificate of Board/University. Each letter should be filled in one box as shown below:-

Name : KAMAL KUMAR

K	A	M	A	L		K	U	M	A	R
---	---	---	---	---	--	---	---	---	---	---

Mother's Name : VIMLA DEVI

V	I	M	L	A		D	E	V	I
---	---	---	---	---	--	---	---	---	---

Father's Name : RAMESH CHAND

R	A	M	E	S	H		C	H	A	N	D
---	---	---	---	---	---	--	---	---	---	---	---

One box should be left blank between each part of the name. Before filling in the Application Form, verify the correctness of spellings.

(xii) Write appropriate code in the box provided in the Application Form for the following:

- Nationality
- Affidavit

- Gender
- Category
- Choice of counselling
- Father's/Guardian's/Mother's Educational Qualifications
- Father's/Guardian's/Mother's Occupation
- Father's/Guardian's/Mother's total annual Income
- Question Paper Language
- Are you the only child of your parents **(If you are the only child of your parents and there are no other siblings, then write 1 in this column otherwise write 2 in the column)**
- Are you Physically Handicapped **(If yes, write 1 & if no, write 2)**
- Year of Class XII passed/appearing
- Percentage of marks/Grade in class X & XII
- Type of Institution of class XII
- Belonging to Rural/Urban area
- State to which the applicant belongs **see Appendix-V**
- Qualifying examination code(refer page - 2)
- School Education Board **see Appendix-VI**
- Choice of Examination Centres **see Appendix-II and Appendix-III**

(xiii) **Date of Birth:** Enter the date, month and year of birth as per English calendar and as recorded in the Secondary Education Board Certificate. Use numerals 01 to 09 and 10 to 31 for the dates, 01, 02 upto 12 for the months and last two digits for the year of birth as shown below.

e.g. 3rd September 1986 19th November 1987

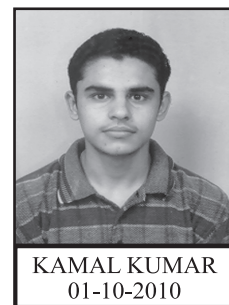
0	3	0	9	8	6	1	9	1	1	8	7
---	---	---	---	---	---	---	---	---	---	---	---

(xiv) **ONLY INDIAN NATIONALS ARE ELIGIBLE FOR APPEARING IN THE ALL INDIA PRE-MEDICAL/ PRE-DENTAL ENTRANCE EXAMINATION.**

(xv) **Candidates from J&K and Andhra Pradesh are required to give an affidavit as indicated in 8(iii).**

(xvi) **Photograph: Candidates are advised to take 8-10 passport size with white background and one post card size(3½"x5") photograph. Passport size photographs are to be used to affix on form and for Counselling/Admission. Post Card size photograph will be collected from candidates by Centre Superintendent at Centre during AIPMT-Final Examination.**

Before Affixing photograph on Application Form candidate must write down his/her name, Application Form number and Contact Number on the back of



both the photographs with Ball point pen only. Affix two recent good quality colour STUDIO photographs with white background, one attested and the other unattested in the space earmarked for these in the Application Form. The photographs must be taken on or after **01.10.2010** indicating clearly the name of candidate alongwith the date of taking the photograph as shown below. Photograph should not have cap or goggles.

Spectacles are allowed if being used regularly. POLAROID and COMPUTER generated photos are not acceptable. The photograph should be attested by the Principal/Head of the Institution or by a Gazetted Officer in such a way that half the signature of the attesting officer appear on the photograph and the remaining on the Application Form. Attestation should be done at the bottom part of the photograph so that the photograph is not defaced. The photograph should be firmly affixed to the Application Form by gum/fevicol and should not be pinned or stapled. Applications not complying with these instructions, or with unclear photographs are liable to be rejected.

- (xvii) The candidates are requested to put their signature in the appropriate box given in the Application Form in running hand writing. Writing full name in the Box in Capital letters would not be accepted as signature and the Application Form would liable to be rejected.
- (xviii) Candidate should firmly tie or staple together his/her Application Form and enclosures, if any. Please use the CBSE envelope for despatch of Offline Application Form. For Online Application Form, any envelope may be used.
- (xix) Request for change in any particulars in the Application Form shall not be entertained under any circumstances.
- (xx) **Incomplete Application Forms or forms having over-writing shall be rejected.**
- (xxi) **Submission of more than one Application Form**
Candidates are advised to submit only one Application Form. If a candidate submits more than one Application Form, his/her candidature is liable to be cancelled.
- (xxii) **Confirmation of receipt of Application Form**

Confirmation of the Application Forms received by the Board would be hosted on Board's website. Efforts would be made to host the confirmation of all Application Forms received by the Board within 15 days time from the last date of receipt of the Application Forms. After Board hosts the details of all the Application Forms on website, candidates may check the status of their Application Form. If any candidate who had sent Application Form through speed post/registered post and against his/her application number the information is available on Board's website that 'form is not received', in such cases candidates are advised to contact to the Board latest by 07.02.2011 along with the following documents:

In case Application Form is submitted Offline -

- Photocopy of the filled-in Application Form.
- Original receipt issued by the Post Office for having dispatched the Application Form.

In case Application Form is submitted Online –

- Photocopy of the computer generated filled in Application Form.
- Original receipt issued by the Post Office for having dispatched the Application Form.

- Proof of fee paid (Photocopy of the Demand Draft, if fees remitted through DD/Photocopy of the statement of the Card if fee is paid through Credit Card).

No request for non-receipt of Application Form would be entertained by the CBSE after 07.02.2011.

Candidates are advised to retain the photocopy of the filled-in Application Form/Computer generated Application Form, Proof of remitting fee and the original receipt issued by the post office for having despatched the Application Form to the Board.

- (xxiii) **Admit Card:** The Admit Card will be sent to the candidates by post. In case the Admit card for Preliminary Examination is not received by 20th March 2011, candidate should contact the Board between 21-03-2011 to 29-03-2011 only. However, admit card would also be made available on website.

The Admit Card will bear the candidate's roll number, name, Father's name, Category, Sub-Category, photograph, signatures, Date of Birth, language of question paper with name and address of AIPMT centre allotted. The candidate should carefully examine the admit card received by him/her for all the entries made therein. In case of any discrepancy, the candidate should immediately inform the Board.

Candidates qualified for the Final Examination- a separate admit card indicating the new roll number and other details will be issued. If the Admit Card is not received by 3rd May 2011, the candidate should contact to the Board between 04-05-2011 to 10-05-2011 only.

In no case, the duplicate Admit Card for both Preliminary & Final Examinations would be issued at the Examination Centres.

Candidate must not mutilate the Admit Card or change any entry made therein.

Candidates are advised to preserve their Admit Cards in good condition till admission in Medical/Dental Colleges is over.

11. INSTRUCTIONS TO BE FOLLOWED IN THE EXAMINATION HALL

11.1 GENERAL INSTRUCTIONS:

- The Examination Hall will be opened 30 minutes before the commencement of the test. Candidates are expected to take their seats immediately after the 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.
- The candidate must show, on demand, the Admit Card for admission in the Examination Hall. A candidate who does not possess the Admit Card issued by the Board shall not be admitted to the Examination Hall under any circumstances by the Centre Superintendent.
- During the examination time, the invigilator will check Admit Card of the candidates 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.

- (iv) A seat with a roll number will be allotted to each candidate. Candidates must find out and occupy their allotted seats. If a candidate is found appearing in the Test from a seat or room other than the one allotted to him/her, his/her candidature shall be cancelled.
- (v) **A candidate who comes after the commencement of the examination shall not be permitted to sit in the examination.**
- (vi) Candidates are not allowed to carry any textual material, printed or written, bits of papers, envelope or any other material except the Admit Card inside the Examination Hall.
- (vii) **Calculators, Slide Rules, Log Tables, Geometry Box, Electronic Digital Watches with facilities of calculators, cellular phones, pagers or any other electronic gadget are not allowed inside the Examination Hall.**
Candidates are advised in their own interest not to bring any of the banned items including Mobile Phone to the venue of the examination as arrangement for safe keeping cannot be assured.
- (viii) No candidate, without the special permission of the Centre Superintendent or the Invigilator concerned, will leave his/her seat or the Examination Room/Hall until he/she has finished his/her paper. Candidates should not leave the Room/Hall without handing over their Answer Sheets to the invigilator on duty.
- (ix) Candidates are advised to bring with them a card board or a clip board so that they have no difficulty in writing responses in the Answer Sheet even if the tables provided in the Examination Hall do not have smooth surface. They will also bring their own Ball Point Pens of good quality. These will not be supplied by the Board.
- (x) Smoking in the Examination Hall during examination hours is strictly prohibited.
- (xi) Tea, coffee, cold drinks or snacks are not allowed to be taken by the candidates into the Examination Halls during examination hours.
- (xii) 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.
- (xiii) 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.
- (xiv) The candidate must sign twice on the Attendance Sheet at the appropriate place. Firstly immediately after the commencement of Examination and for the second time while delivering the Answer Sheet. The candidates are also required to put their left hand thumb impression in the space provided on the Attendance Sheet.

(xv) **For those who are unable to appear on the scheduled date of examination for any reason, re-examination shall not be held by the Board under any circumstances.**

(xvi) **UNFAIR MEANS PRACTICE & BREACHES OF EXAMINATION RULES:**

(a) **Unfairmean practice is an activity that allows a candidate to gain an unfair advantage over other candidates. It includes, but not limited to:**

- having in possession papers, books, notes, electronic devices or any other material or information relevant to the examination in the paper concerned;
- paying someone to write examination (impersonation) or prepare material;
- breaching examination rules;
- assisting another candidate to engage in malpractice;
- giving or receiving assistance directly or indirectly of any kind or attempting to do so;
- writing questions or answers on any material other than the answer sheet given by the Centre Superintendent for writing answers;
- tearing of Answer Sheet, any page of the test booklet, etc.;
- contacting or communicating or trying to do so with any person, other than the Examination Staff, during the examination time in the examination centre;
- taking away the answer sheet out of the examination hall/room;
- smuggling out Question Paper or its part or smuggling out answer sheet or part thereof;
- threatening any of the officials connected with the conduct of the examinations or threatening any of the candidates;and
- using or attempting to use any other undesirable method or means in connection with the examination.

(b) **PUNISHMENT FOR USING UNFAIRMEANS PRACTICE**

During the course of examination, before or later on, if a candidate is found indulged in any of the above practice, shall be deemed to have used unfair practices at examination and marked as UNFAIRMEANS (U.F.M.). Such candidates would be debarred from taking this examination permanently in future and shall also be liable for criminal action and /or any other action as deem fit by the Board.

(c) Candidates should ensure before leaving the Examination Hall that they have handed over the Answer Sheet to the invigilators on duty and that they have signed on the Attendance Sheet second time. In case the candidate does not hand over the Answer Sheet and takes away the same with him/

her, this shall amount to use of unfair means practices and accordingly his/her case shall be dealt with.

- (d) The candidate will check and ensure that the Test-Booklet contain as many number of pages as are written on the top of the cover page.

(xvii) **INFORMATION FOR PARENTS/GUARDIANS**

Parents/Guardians are advised to ensure that their ward should not indulge in unfair means activities/malpractices which breaches the examination rules. If any candidate is found to be indulged in any such activity he/she shall be debarred from taking this examination permanently in future and shall also be liable for criminal action and/or any other action deem fit by the Board.

- (xviii) **The conduct of AIPMT Final Examination would be videographed. The candidates are required to keep their head in up right position and face the camera during the videography so that their identity could be clearly established.**

- (xix) **It is mandatory for the candidate to bring his/her postcard size (3½"X5") photograph during the conduct of AIPMT Final Examination photograph should have white background only. At the back of the photograph, candidate must mention his/her name, Application Form number, roll number of Preliminary Examination and roll number of Final Examination. This photograph will be collected by the Invigilator concerned after matching the photograph with the candidate appearing in the Final Examination.**

11.2 INSTRUCTIONS FOR BOTH PRELIMINARY & FINAL EXAMINATIONS:

- (i) Fifteen minutes before the commencement of the Test each candidate will be given sealed Test Booklet.
- (ii) 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.
- (iii) Five minutes before the commencement of the Test, 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 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.

- (iv) Candidate will then write particulars with ball point pen on both the sides. After completing this step the candidate will wait for the signal by the invigilator.

- (v) After completing the Test 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 and marked.

11.2.1 THE ANSWER SHEET

- (i) The Answer Sheet will be found placed inside the sealed Test Booklet. The seal will be broken/opened by the candidate on the announcement by the invigilator and only then the Answer Sheet shall be taken out. **Do not open/break the seal before the announcement.**

- (ii) Side-2 of each Answer Sheet will have a pre-printed Test Booklet Code A, B, C and 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.**

- (iii) The format of the Answer Sheet which will be found placed inside the Test Booklet and which will be used for answering questions is given in **Appendix-VIII**. Candidates are advised to go through it and be conversant with the requirements of giving particulars and marking the answers.

- (iv) 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.

- (a) **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 on OMR sheet is not allowed. OMR sheet filled in with pencil would be summarily rejected for evaluation.**

- (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

- (b) **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:**

- (i) Roll Number
(ii) Centre Number
(iii) Test Booklet Number
(iv) Question 001 to 200/Question 001 to 120

Each column corresponds to the serial number of question given in the Test Booklet. With each column there are four circles which correspond to the four alternative responses, one of which is correct or most appropriate.

(v) **WRITING OF PARTICULARS AND RESPONSES ON SIDE-2 WITH BLUE/BLACK BALL POINT PEN ONLY**

- Roll Number Write and mark your Roll Number as per specimen Answer Sheet. For example Roll No. 0214057.
- Centre Number Write and mark your Centre Number as per specimen Answer Sheet. For example Centre No. 0239.
- Test Booklet No. Write and mark your Test Booklet number as indicated on the Test Booklet as per specimen Answer Sheet. For example Test Booklet No. 020456.

11.2.2 IMPORTANT INSTRUCTIONS FOR MARKING THE RESPONSES

- (i) Use Blue/Black Ball Point Pen only to darken the appropriate circle. **Answers marked with pencil would not be evaluated.**
- (ii) Mark should be dark and should completely fill the circle.
- (iii) Darken only one circle for each entry as the Answer once marked is not liable to be changed.
- (iv) A lightly or faintly darkened circle will be treated as a wrong method of marking and will be rejected by the Optical Scanner.
- (v) Make the marks only in the space provided.
- (vi) There will be four alternatives for each of the question numbering 001 to 200 in Preliminary Examination and 001 to 120 in Final Examination. The candidate will indicate his/her response to the question by darkening the appropriate circle completely with Ball Point Pen. For example, Question No. 008 in the Test Booklet reads as follows:
Qutab 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

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

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

11.2.3 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 fluid on the Answer Sheet is not permissible as the Answer Sheets are machine gradable and it may lead to wrong evaluation.

WRONG/CORRECT WAYS 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 ④	024 ① ② ③ ●
025 ● ✗ ③ ④	025 ● ② ③ ④
026 ① ② ✗ ④	026 ① ② ● ④
027 ① ② ④	027 ① ② ● ④
028 ① ③ ●	028 ① ② ③ ●

If more than one circle is darkened or if the response is marked in any manner as shown above heading indicating wrong method shall be treated as wrong way of marking.

11.2.4 SCORING AND NEGATIVE MARKING

- (a) **Each item carries 4 marks. For each correct response the candidate will get 4 marks. For each incorrect response one mark will be deducted from the total score.** 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.**
- (b) For the purpose of evaluation, the Test Booklet code as printed in the Answer Sheet on side-2 will be accepted as final.

11.2.5 ROUGH WORK

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

12. MERITLIST

- (i) The Central Board of Secondary Education will prepare the lists of successful candidates of Preliminary Examination and Final Examination on the basis of the eligibility criteria provided by the Medical Council of India as given in Graduate Medical Education Regulations-1997 issued under All India Medical Council Act-1956. The eligibility criteria is as follows:
Under clause (2) to (4) of MCI's regulation, a candidate must have passed in the subjects of Physics, Chemistry, Biology/Bio-technology and English individually and must have obtained a minimum of 50% marks taken together in Physics, Chemistry, Biology/Bio-technology at the qualifying examination as mentioned in clause (2) of regulation 4 and in addition must have come in the merit list prepared as a result of such competitive entrance examination by securing not less than 50% marks in Physics, Chemistry, Biology taken together in the competitive examination. In respect of the candidates belonging to the SC, ST and OBC category the marks obtained in Physics, Chemistry, Biology/Bio-technology taken in qualifying examination and competitive examination (Physics, Chemistry, Biology) be 40% marks instead of 50% for General Candidates.

Further, for persons with locomotory disability of lower limbs, the minimum of 45% marks for Gen-PH and 40% marks for SC-PH/ST-PH/OBC-PH are required. Provided that a candidate who has appeared in the qualifying examination the result of which has not been declared, he may be provisionally permitted to take up the competitive entrance examination and in case of selection for admission to the MBBS course, he shall not be admitted to that course until he fulfils the eligibility criteria under regulation 4.

A list of the successful candidates in order to qualify for the Final Examination will be prepared by the Board based on the score obtained in the Preliminary Examination.

Similarly, a list of the successful candidates in order of merit based on the score obtained in the Final Examination will be prepared by the Board. The merit list will be equal to the number of seats available for allotment in MBBS/BDS course under 15% All India Quota. There shall also be a waiting list equal to the 100% of the merit list.

The list of successful candidates (Merit List/Waiting List) shall be forwarded to the Directorate General of Health Services (Medical Examination Cell) for the purpose of allotment of seats by personal appearance.

- (ii) In case of two or more candidates obtaining equal marks in the Final Examination, the inter-se-merit of such candidates shall be determined in order of preference as follows :
- Candidates obtaining higher marks in Biology (Botany & Zoology) in the entrance examination.
 - Candidates obtaining higher marks in Chemistry in the entrance examination.
 - Candidates older in age to be preferred.
 - Candidates securing higher marks in Preliminary Examination will be preferred.

13. DECLARATION OF RESULT

The Central Board of Secondary Education will conduct the AIPMT Preliminary and Final Examination, evaluate the Answer Sheets and declare the result as per following details:

- The result of Preliminary Examination will be declared by the IIIrd week of April, 2011 and the same will be hosted on Board's website. Candidates qualified for the Final Examination would be issued a separate admit card indicating new roll number and other relevant details.
- The result of Final Examination will be declared by 1st week of June, 2011 and the same will be hosted on Board's website. Board will prepare the merit list/wait list as per the directives of the Hon'ble Supreme Court of India, DGHS and MCI.

There will be no separate result list of SC/ST candidates. As soon as the result is ready, it will be sent to National Dailies for publication. CBSE will continue to send results/Rank letters to the meritorious/wait listed candidates through Speed post/Registered post/Courier depending on the circumstances.

13.1 RULES FOR RE-CHECKING/RE-EVALUATION OF ANSWER SHEETS

The machine - gradable Answer Sheets are evaluated with extreme care and are repeatedly scrutinised. There is no provision for re-checking/re-evaluation or supply of photo copies of answer sheets for inspection to the candidates. **No correspondence in this regard will be entertained.**

13.2 LEGAL JURISDICTION

All disputes pertaining to the conduct of examination and allotment of seats 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.

14. WEEDING OUT RULES

The records of All India Pre-Medical/Pre-Dental Entrance Examination is preserved till the end of IIInd week of August of the year of conduct of examination.

15. METHOD TO OBTAIN DIFFERENT INFORMATION USING SMS

Candidates may obtain the different information such as the receipt of their application form, roll number/result of Preliminary Examination and Final Examination etc. by sending the SMS to the Board. In this regard, information would be provided on the Board's website.

16. INSTRUCTION FOR COUNSELLING :

(i) Counseling would be conducted by the Directorate General of Health Services. During the conduct of Final Examinations, candidates would be supplied information bulletin containing information for counselling. Information would also be available on DGHS website. Candidates placed in Merit/ Wait List are advised to read the bulletin carefully and understand the course of action to be taken by them for appearing in the Counselling. Any query related to Counseling may be referred to the following address:

**The Assistant Director General (ME)
Directorate General of Health Services,
Nirman Bhawan
New Delhi-110 002
Phone No.011-23218750, 23061907**

(ii) Counselling will be held by personal appearance through Video-Conferencing tentatively from the following centres/cities with the main counselling venue at CHEB Building, Aiwan-E-Galib Marg, Kotla Road, Opp. Mata Sundry College for Women, New Delhi-110 002:

- (a) Kolkata (b) Chennai (c) Mumbai

Candidates are requested to mention the code of their counselling venue at the appropriate place in the Application Form. Counselling will be strictly done at the venue as opted by the candidate in Application Form. No change in the venue of the counselling will be allowed under any circumstances.

**SYLLABUS FOR PRELIMINARY AND FINAL EXAMINATION OF
ALL INDIA PMT/PDT ENTRANCE EXAMINATION 2011****PHYSICS****Unit : 1 Introduction and Measurement**

What is Physics? Scope and excitement; Physics in relation to science, society and technology; Need for measurement of physical quantities, units for measurement, systems of units-SI : fundamental and derived units. Dimensions of physical quantities. Dimensional analysis and its applications. Orders of magnitude, Accuracy and errors in measurement – random and instrumental errors, Significant figures and rounding off the numbers.

Graphs, Trigonometric functions, Concepts of differentiation and integration.

Unit : 2 Description of Motion in One Dimension

Objects in motion in one dimension, Motion in straight line, Uniform and non-uniform motion, its graphical representation and formulae, speed and velocity, relative velocity, average speed and instantaneous velocity. Uniformly accelerated motion, velocity-time graph, position-time graph and their formulae. Relations for uniformly accelerated motion with examples. Acceleration in one-dimensional motion.

Unit : 3 Description of Motion in Two and Three Dimensions

Vectors and scalars quantities, vectors in two and three dimensions, vector addition and multiplication by a real number, null-vector and its properties. Resolution of a vector in a plane, rectangular components. Scalar and vector products. Motion in two dimensions, cases of uniform velocity and uniform acceleration-projectile motion, general relation among position-velocity-acceleration for motion in a plane and uniform circular motion. Motion of objects in three dimensional space (elementary ideas).

Unit : 4 Laws of Motion

Force and inertia, first law of motion. Momentum, second law of motion, impulse, examples of different kinds of forces in nature. Third law of motion, conservation of momentum, rocket propulsion. Equilibrium of concurrent forces. Static and kinetic frictions, laws of friction, rolling friction, lubrication, Inertial and non-inertial frames (elementary ideas).

Unit : 5 Work, Energy and Power

Work done by a constant force and by a variable force, unit of work, energy and power. Work Energy Theorem. Elastic and in-elastic collisions in one and two dimensions. Notions of potential energy, conservation of mechanical energy : gravitational potential energy, and its conversion to kinetic energy, potential energy of a spring. Conservative forces. Different forms of energy, mass-energy equivalence, conservation of energy.

Unit : 6 Rotational Motion

Centre of mass of a two-particle system, momentum conservation and centre of mass motion. Centre of mass of rigid body, general motion of a rigid body, nature of rotational motion, rotational motion of a single particle in two dimensions only, torque, angular momentum and its geometrical and physical meaning, conservation of angular momentum, examples of circular motion (car on a level circular road, car on banked road, pendulum swinging in a vertical plane). Moment of inertia, its physical significance, moment inertia of uniform bodies with simple geometrical shapes, parallel axis and perpendicular axis theorem (statements only), Comparison between translatory (linear) and rotational motion.

Unit : 7 Gravitation

Acceleration due to gravity, one and two dimensional motion under gravity. Universal law of gravitation, inertial and gravitational mass, variations in the acceleration due to gravity of the earth, statement of Kepler's laws of planetary motion, orbital velocity, geostationary satellites, gravitational potential, gravitational potential energy near the surface of earth, escape velocity, weightlessness.

Unit : 8 Heat and Thermodynamics

Thermal equilibrium and temperature (zeroth law of thermodynamics). Heat, work and internal energy. Specific heat, specific heat at constant volume and constant pressure of ideal gas and relation between them. First law of thermodynamics. Thermodynamic state, equation of state and isothermals, pressure-temperature phase diagram. Thermodynamic processes (reversible, irreversible, isothermal, adiabatic). Carnot cycle, second law of thermodynamics, efficiency of heat engines. Entropy. Transfer of heat : conduction, convection and radiation. Newton's law of cooling. Thermal conductivity. Black body radiation, Wien's law, Solar constant and surface temperature of the sun, Stefan's law,

Unit : 9 Oscillations

Periodic and oscillatory motions. Simple harmonic motion (S.H.M.) and its equation of motion. Oscillations due to a spring, kinetic energy and potential energy in S.H.M., Simple pendulum, physical concepts of forced oscillations, resonance and damped oscillations; Simple examples.

Unit : 10 Waves

Longitudinal and transverse waves and wave motion, speed of progressive wave. Principle of superposition of waves; reflection of waves, harmonic waves (qualitative treatment only), standing waves. Normal modes and its graphical representation. Beats, Doppler effect.

Unit : 11 Electrostatics

Frictional electricity, charges and their conservation, unit of charge, Coulomb's law, dielectric constant, electric field, electric field due to a point charge, electric potential – its physical meaning, potential due to a di-pole, di-pole field and behaviour of dipole in a uniform (2-dimensional) electric field. Flux, Statement of Gauss's theorem and its applications to find electric field due to uniformly charged simple systems. Conductors and insulators, presence of free charges and bound charges inside a conductor, Capacitance (parallel plate), Dielectric material and its effect on capacitance (concept only), capacitances in series and parallel, energy of a capacitor. Van de Graff generator.

Unit : 12 Current Electricity

Introduction (flow of current), sources of e.m.f., cells : simple, secondary, chargeable, combinations of cells in series and parallel. Electric current, resistance of different materials, temperature dependence, thermistor, specific resistivity, colour code for carbon resistors. Ohm's law and its limitation. Superconductors (elementary ideas). Kirchoff's laws, resistances in series and parallel, Wheatstone's bridge, measurement of resistance. Potentiometer – measurement of e.m.f. and internal resistance of a cell.

Unit : 13 Thermal and Chemical Effects of Currents

Electric power, heating effects of current and Joule's law. Thermoelectricity: Seebeck effect, measurement of temperature using thermocouple. Chemical effects and Faraday's laws of electrolysis.

Unit : 14 Magnetic Effect of Currents

Oersted's observation, Biot-Savart's law (magnetic field due to an element of current), magnetic field due to a straight wire, circular loop and solenoid. Force on a moving charge in a uniform magnetic field (Lorentz force), cyclotron (simple idea), forces and torques on currents in a magnetic field, forces between two currents, definition of ampere, moving coil galvanometer, ammeter and voltmeter. Conversion of galvanometer into voltmeter/ammeter.

Unit : 15 Magnetism

Bar magnet (comparison with a solenoid), magnetic lines of force, torque on a bar magnet in a magnetic field, earth's magnetic field as a bar magnet, tangent galvanometer, vibration magnetometer. Para, dia and ferromagnetic substances with examples (simple idea). Electromagnets and permanent magnets.

Unit : 16 Electromagnetic Induction and Alternating Currents

Faraday's Law of electromagnetic induction, Lenz's Law, induced emf, self and mutual inductance. Alternating current, and voltage, impedance and reactance; A.C. circuits containing inductance, capacitance and resistance; phase relationships, and power in a.c. circuits, L.C oscillations. Electrical machines and devices (transformer, induction coil, generator, simple motors, choke and starter), eddy current.

Unit : 17 Electromagnetic Waves (Qualitative Treatment)

Electromagnetic oscillations, brief history of electromagnetic waves (Maxwell, Hertz, Bose, Marconi). Electromagnetic spectrum (radio, micro-waves, infra-red, optical, ultraviolet, X-rays, gamma rays) including elementary facts about their uses, propagation of electromagnetic waves in atmosphere.

Unit : 18 Ray Optics and Optical Instruments

Ray optics as a limiting case of wave optics. Phenomena of reflection, refraction, and total internal reflection. Optical fibre. Curved mirrors, lenses; mirror and lens formulae. Dispersion by a prism. Spectrometer. Absorption and emission spectra. Scattering and formation of rainbow. Telescope (astronomical), microscope, their magnifications and resolving powers.

Unit : 19 Electrons and Photons

Discovery of electron, e/m for an electron, electrical conduction in gases, photoelectric effect, particle nature of light, Einstein's photoelectric equation, photocells. Matter waves – wave nature of particles, de-Broglie relation, Davison and Germer experiment.

Unit : 20 Atoms, Molecules and Nuclei

Rutherford model of the atom, Bohr model, energy quantization. Hydrogen spectrum. Composition of nucleus, atomic masses, binding energy per nucleon of a nucleus, its variation with mass number, isotopes, size of nucleus. Radioactivity : properties of α , β and γ rays. Mass energy relation, nuclear fission and fusion.

Unit : 21 Solids and Semiconductor Devices

Crystal structure-Unit cell; single, poly and liquid crystals (concepts only). Energy bands in solids, difference between conductors, insulators and semi-conductors using band theory. Intrinsic and extrinsic semiconductors, p-n junction, semiconductor diodes, junction transistor, diode as rectifier, solar cell, photo diode, LED, Zener diode as a voltage regulator, transistor as an amplifier and oscillator. Combination of gates. Elementary ideas about IC.

CHEMISTRY**Unit : 1 Some basic concepts in Chemistry**

Importance of Chemistry, physical quantities and their measurement in Chemistry, SI Units, uncertainty in measurements and use of significant figures, Unit and dimensional analysis, Matter and its nature, laws of chemical combinations, atomic, and molecular, masses mole concept, molar masses, percentage composition and molecular formula, chemical stoichiometry.

Unit : 2 States of matter

Three states of matter, gaseous state, gas laws (Boyle's Law and Charles Law), Avogadro's Law, Grahams' Law of diffusion, Dalton's law of partial pressure, ideal gas equation, Kinetic theory of gases, real gases and deviation from ideal behaviour, van der Waals' equation, liquefaction of gases and critical points, Intermolecular forces; liquids and solids.

Unit : 3 Atomic structure

Earlier atomic models (Thomson's and Rutherford), emission spectrum of hydrogen atom, Bohr's model, of hydrogen atom, Limitations of Bohr's model, dual nature of matter and radiation, Heisenberg uncertainty principle, quantum mechanical model of atom (quantum designation of atomic orbitals and electron energy in terms of principal, angular momentum and magnetic quantum numbers), electronic spin and spin quantum numbers, Pauli's exclusion principle, general idea of screening (constants) of outer electrons by inner electrons in an atom, *Aufbau* principle, Hund's rule, atomic orbitals and their pictorial representation, electronic configurations of elements.

Unit : 4 Classification of elements and periodicity in properties

Need and genesis of classification of elements (from Doebereiner to Mendeleev), Modern periodic law and present form of periodic table, Nomenclature of elements with atomic number > 100 , electronic configurations of elements and periodic table, electronic configuration and types of elements and s, p, d and f blocks, periodic trends in properties of elements (atomic size, ionization enthalpy, electron gain enthalpy, valence/oxidation states and chemical reactivity).

Unit : 5 Chemical energetics

Some basic concepts in thermodynamics, first law of thermodynamics, heat capacity, measurement of ΔU and ΔH , calorimetry, standard enthalpy changes, thermochemical equations, enthalpy changes during phase transformations, Hess's Law, standard enthalpies of formation, bond enthalpies and calculations based on them.

Unit : 6 Chemical bonding

Kossel-Lewis approach to chemical bond formation, ionic bonds, covalent bonds, polarity of bonds and concept of electronegativity, valence shell electron pair repulsion (VSEPR) theory, shapes of simple molecules, valence bond theory, hybridization involving s, p and d orbitals and shapes of molecules σ and π bonds; Molecular orbital theory involving homonuclear diatomic molecules; Hydrogen-bonding.

Unit : 7 Equilibrium**Equilibrium in physical and chemical processes**

Equilibrium in physical and chemical processes, dynamic equilibrium, law of chemical equilibrium and equilibrium constant, homogeneous equilibrium, heterogeneous equilibrium, application of equilibrium constants, Relationship between reaction quotient Q, equilibrium constant, K and Gibbs' energy G; factors affecting equilibrium-Le Chatelier's principle.

Ionic equilibrium

Acids, Bases and Salts and their ionization, weak and strong electrolytes degree of ionization and ionization constants, concept of pH, ionic product of water, buffer solution, common ion effect, solubility of sparingly soluble salts and solubility products.

Unit : 8 Redox reactions

Electronic concepts of reduction - oxidation, redox reactions, oxidation number, balancing of redox reactions.

Unit : 9 Solid state Chemistry

Classification of solids based on different binding forces: molecular, ionic, covalent and metallic solids, amorphous and crystalline solids; unit cells in two dimensional and three dimensional lattices, calculation of density of a unit cell, packing in solids, voids, number of atoms per unit cell in a cubic unit cell, point defects, electrical and magnetic properties.

Unit : 10 Chemical thermodynamics

Spontaneous processes, energy and spontaneity, entropy and second law of thermodynamics, concept of absolute entropy, Gibbs energy and spontaneity, Gibbs energy change and equilibrium constant.

Unit : 11 Solutions

Types of solutions, different units for expressing concentration of solution, mole fraction, percentage (by volume and mass both), definitions of dilute solutions, vapour pressure of solutions and Raoult's Law, Colligative properties, lowering of vapour pressure, depression of freezing point, elevation of boiling points and osmotic pressure, determination of molecular masses using colligative properties, abnormal values of molecular masses, van't Hoff factor. simple numerical problems.

Unit : 12 Chemical kinetics

Rate of chemical reactions, factors, affecting rates of reactions –concentration, temperature and catalyst, order and molecularity of reactions, rate law and rate constant, differential and integral forms of first order reaction, half-life (only zero and first order) characteristics of first order reaction, effect of temperature on reactions, Arrhenius theory - activation energy, collision theory of reaction rate (no derivation).

Unit : 13 Electrochemistry

Conductance in electrolytic solutions, specific and molar conductivity, variation of conductivity with concentration, Kohlrausch's law, electrolysis and laws of electrolysis (elementary idea), electrolytic and galvanic cells, emf. of a cell, standard electrode potential, Nernst equation, concentration cell, fuel cells, cell potential and Gibbs energy, dry cell and lead accumulator.

Unit : 14 Surface chemistry

Adsorption - physisorption and chemisorption, factors affecting adsorption of gases on solids, catalysis, homogeneous and heterogeneous activity and selectivity, enzyme catalysis, colloidal state, distinction between true solutions, colloids and suspensions; lyophilic, lyophobic, multimolecular and macromolecular colloids, properties of colloids, Tyndal effect, Brownian movement, electrophoresis, coagulation, emulsions - type of emulsions.

Unit : 15 Hydrogen

Position of hydrogen in periodic table, isotopes of hydrogen, heavy water, hydrogen peroxide-preparation, reactions and structures; hydrides and their classification.

Unit : 16 s-Block Elements (Alkali and Alkaline Earth metals):**Group 1 and Group 2 elements**

Electronic configurations and general trends in physical and chemical properties, anomalous properties of the first element of each group, diagonal relationship.

Preparation and properties of some important compounds, sodium carbonate, sodium hydroxide, sodium hydrogen carbonate and industrial uses of lime and limestone, biological significance of Na, K, Mg and Ca.

Unit : 17 General principles and processes of isolation of elements

Principles and methods of extraction - concentration, reduction, (chemical and electrolytic methods), and refining. Occurrence and principles of extraction of Al, Cu, Zn and Fe.

Unit : 18 p-Block Elements**Introduction to p-block elements**

Electronic configurations and general trends in properties, viz. atomic sizes, ionization enthalpies, electronegativity values, electron gain enthalpies and oxidation states across the periods and down the groups in the p-block.

Unique behaviour of the top element in each group of the block - the covalency limit and the $p_{\pi} - p_{\pi}$ overlap in some molecules (e.g. N_2 , O_2) and its consequences; general trend in catenation tendency down each group.

Group-wise study of the p-block Elements

Group 13 - In addition to the general characteristics as outlined above, properties and uses of aluminium, nature of hydrides/ halides and oxides; Properties, structures and uses of diborane boron halides, aluminium chloride, borax, boric acid and alums.

Group 14 - In addition to the general characteristics; carbon – catenation, allotropic forms (diamond and graphite), properties and structures of oxides; silicon - silicon tetrachloride, and structures and uses of silicates, silicones and zeolites.

Group 15 - In addition to the general characteristics, the general trends in the nature and structures of hydrides, halides and oxides of these elements. Preparation and properties of ammonia, nitric acid, phosphine and halides of phosphorus, structures of the oxoacids of phosphorus.

Group 16 - In addition to the general characteristics, preparations, properties and uses of dioxygen, simple oxides, ozone; sulphur - allotropic forms, compounds of sulphur, preparation, properties and uses of sulphur dioxide and sulphuric acid, industrial preparations of sulphuric acid, structures of oxoacids of sulphur.

Group 17 - In addition to the general characteristics, occurrence, trends in physical and chemical properties, oxides and oxoacids of halogens (structures only), preparation, properties and uses of chlorine and hydrochloric acid, trends in the acidic nature of hydrogen halides. Interhalogen compounds (structures only).

Group 18 - General introduction, electronic configurations, occurrence, trends in physical and chemical properties and uses, - fluorides and oxides of xenon (structures only).

Unit : 19 The d-and f-Block elements

General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first row transition metals –physical properties, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic property, interstitial compounds, alloy formation; preparations and properties of $K_2Cr_2O_7$ and $KMnO_4$.

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

Actinoids - Electronic configuration and oxidation states.

Unit : 20 Coordination compounds

Introduction to ligands, coordination number, colour, magnetic properties, and shapes; IUPAC - nomenclature of mononuclear coordination compounds, isomerism, bonding-valence bond approach to the bonding and basic ideas of Crystal Field Theory, colour and magnetic properties. Elementary ideas of metal - carbon bonds and organometallic compounds, importance of co-ordination compounds (in qualitative analysis, extraction of metals and biological systems).

Unit : 21 Some basic principles of Organic Chemistry

- Tetravalence of carbon, hybridization (s and p), shapes of simple molecules, functional groups: $-C=C-$, $-C \equiv C-$ and those containing halogens, oxygen, nitrogen and sulphur; homologous series, isomerism.
- General introduction to naming organic compounds-trivial names and IUPAC nomenclature.
- Electronic displacement in a covalent bond; inductive effect, electromeric effect, resonance and hyperconjugation. Fission of covalent bond: free radicals, electrophiles and nucleophiles, carbocations and carbonanions.
- Common types of organic reactions: substitution, addition, elimination and rearrangement reactions.

Unit : 22 Hydrocarbons

Alkanes and cycloalkanes : classification of hydrocarbons, alkanes and cycloalkanes, nomenclature and conformations of alkanes and cycloalkanes.

Alkenes and alkynes : Nomenclature and isomerism, general methods of preparation, properties (physical and chemical), mechanism of electrophilic addition, Markownikoff's rule, peroxide effect, acidic character of alkynes, polymerisation reactions.

Aromatic hydrocarbons : Benzene and its homologues, nomenclature, sources of aromatic hydrocarbons (coal and petroleum), structure of benzene, chemical reaction of benzene-mechanism of electrophilic substitution. Directive influence of substituents and their effect on reactivity.

Petroleum and petrochemicals : Composition of crude oil fractionation and uses, quality of gasoline, LPG, CNG, cracking and reforming, petrochemicals.

Unit : 23 Purification and characterization of carbon compounds

- Purification of carbon compounds : filtration, crystallisation, sublimation, distillation chromatography,
- Qualitative analysis : detection of nitrogen, sulphur, phosphorus and halogens.
- Quantitative analysis : estimation of different elements (H, N, halogens, S and P)
- Determination of molecular masses : Silver salt method, chloroplatinate salt method, calculations of empirical and molecular formulas.

Unit : 24 Organic compounds with functional groups containing halogens (X)

- Nature of C-X bond in haloalkanes and haloarenes, nomenclature, physical and chemical properties, mechanism of substitution reactions, reactivity of C-X bond in haloalkanes and haloarenes.
- Some commercially important compounds : dichloro, trichloro and tetrachloromethanes; p-dichlorobenzene, freons, BHC, DDT, their uses and important reactions.

Unit : 25 Organic compounds with functional groups containing oxygen

Alcohols and phenols : Nomenclature, methods of preparation, physical and chemical properties; chemical reactivity of phenols in electrophilic substitutions, acidic nature of phenol, ethers: electronic structure, structure of functional group, nomenclature, important methods of preparation, physical and chemical properties, some commercially important compounds.

Aldehydes and ketones : Electronic structure of carbonyl group, nomenclature, important methods of preparation, physical properties and chemical reactions, relative reactivity of aldehydic and ketonic groups, acidity of α -hydrogen, aldol condensation. Cannizzaro reaction, nucleophilic addition reaction to $>C=O$ groups.

Carboxylic acids : Electronic structure of $-COOH$, Nomenclature, important methods of preparation, physical properties and effect of substituents on α -carbon on acid strength, chemical reactions.

Derivatives of carboxylic acids : Electronic structure of acid chloride, acid anhydride, ester and amide groups, nomenclature, important methods of preparation, comparative reactivity of acid derivatives. Some commercially important compounds.

Unit : 26 Organic Compounds with functional group containing nitrogen

- Structure, nomenclature of nitro, amino, cyano and diazo compounds.
- Nitro compounds – important methods of preparation, physical properties and chemical reactions.
- Amines : primary, secondary and tertiary amines, a general awareness, important methods of preparation, physical properties, basic character of amines, chemical reactions.
- Cyanides and isocyanides : preparation, physical properties and chemical reactions.
- Diazonium salts : Preparation, chemical reaction and uses of benzene diazonium chloride. Some commercially important nitrogen containing carbon compounds, (aniline, TNT)

Unit : 27 Polymers

Classification of polymers, general methods of polymerization-addition and condensation: addition-free radical, cationic, anionic polymerization, copolymerisation, natural rubber, vulcanization of rubber, synthetic rubbers, condensation polymers, idea of macromolecules, biodegradable polymers.

Some commercially important polymers (PVC, teflon, polystyrene, nylon-6 and 66, terylene and bakelite).

Unit : 28 Environmental Chemistry

Environmental pollution – air, water and soil pollutions, chemical reactions in atmosphere, smogs, major atmospheric pollutants, acid-rain, ozone and its reactions, effects of depletion of ozone layer, green house effect and global warming – pollution due to industrial wastes, green chemistry as an alternative tool for reducing pollution, strategy for controlling environmental pollution.

Unit : 29 Biomolecules

Carbohydrates : Classification, aldose and ketose, monosaccharides (glucose and fructose), oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); important simple chemical reactions of glucose, elementary idea of structure of pentose and hexose.

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

Vitamins : Classification and functions

Nucleic acids : Chemical composition of DNA and RNA

Lipids : Classification and structure

Hormones : Classification and functions in biosystem.

Unit : 30 Chemistry in everyday life

- Chemicals in medicines – analgesics, tranquilizers, antiseptics, disinfectants, antimicrobials, antifertility drugs, antacids, antihistamins.
- Chemicals in food – preservatives, artificial sweetening agents.
- Cleansing agents – soaps and detergents, cleansing action.
- Rocket propellants : characteristics and chemicals used.

BIOLOGY (BOTANY AND ZOOLOGY)**Unit : 1 Diversity in Living World**

Biology – its meaning and relevance to mankind

What is living; Taxonomic categories and aids (Botanical gardens, herbaria, museums, zoological parks); Systematics and Binomial system of nomenclature.

Introductory classification of living organisms (Two-kingdom system, Five-kingdom system); Major groups of each kingdom along with their salient features (Monera, including Archaeobacteria and Cyanobacteria, Protista, Fungi, Plantae, Animalia); Viruses; Lichens

Plant kingdom – Salient features of major groups (Algae to Angiosperms);

Animal kingdom – Salient features of Nonchordates up to phylum, and Chordates up to class level.

Unit : 2 Cell : The Unit of Life ; Structure and Function

Cell wall; Cell membrane; Endomembrane system (ER, Golgi apparatus/Dictyosome, Lysosomes, Vacuoles); Mitochondria; Plastids; Ribosomes; Cytoskeleton; Cilia and Flagella; Centrosome and Centriole; Nucleus; Microbodies. Structural differences between prokaryotic and eukaryotic, and between plant and animal cells. Cell cycle (various phases); Mitosis; Meiosis.

Biomolecules – Structure and function of Carbohydrates, Proteins, Lipids, and Nucleic acids.

Enzymes – Chemical nature, types, properties and mechanism of action.

Unit : 3 Genetics and Evolution

Mendelian inheritance; Chromosome theory of inheritance; Gene interaction; Incomplete dominance; Co-dominance; Complementary genes; Multiple alleles;

Linkage and Crossing over; Inheritance patterns of hemophilia and blood groups in humans.

DNA – its organization and replication; Transcription and Translation; Gene expression and regulation; DNA fingerprinting.

Theories and evidences of evolution, including modern Darwinism.

Unit : 4 Structure and Function – Plants

Morphology of a flowering plant; Tissues and tissue systems in plants;

Anatomy and function of root, stem(including modifications), leaf, inflorescence, flower (including position and arrangement of different whorls, placentation), fruit and seed; Types of fruit; Secondary growth;

Absorption and movement of water (including diffusion, osmosis and water relations of cell) and of nutrients; Translocation of food; Transpiration and gaseous exchange; Mechanism of stomatal movement.

Mineral nutrition – Macro- and micro-nutrients in plants including deficiency disorders; Biological nitrogen fixation mechanism.

Photosynthesis – Light reaction, cyclic and non-cyclic photophosphorylation; Various pathways of carbon dioxide fixation; Photorespiration; Limiting factors .

Respiration – Anaerobic, Fermentation, Aerobic; Glycolysis, TCA cycle; Electron transport system; Energy relations.

Unit : 5 Structure and Function - Animals

Tissues;

Elementary knowledge of morphology, anatomy and functions of different systems of earthworm, cockroach and frog.

Human Physiology – Digestive system - organs, digestion and absorption; Respiratory system – organs, breathing and exchange and transport of gases. Body fluids and circulation – Blood, lymph, double circulation, regulation of cardiac activity; Hypertension, Coronary artery diseases.

Excretion system – Urine formation, regulation of kidney function

Locomotion and movement – Skeletal system, joints, muscles, types of movement.

Control and co-ordination – Central and peripheral nervous systems, structure and function of neuron, reflex action and sensory reception; Role of various types of endocrine glands; Mechanism of hormone action.

Unit : 6 Reproduction, Growth and Movement in Plants

Asexual methods of reproduction; Sexual Reproduction - Development of male and female gametophytes; Pollination (Types and agents); Fertilization; Development of embryo, endosperm, seed and fruit (including parthenocarpy and apomixis).

Growth and Movement – Growth phases; Types of growth regulators and their role in seed dormancy, germination and movement; Apical dominance; Senescence; Abscission; Photo- periodism; Vernalisation; Various types of movements.

Unit : 7 Reproduction and Development in Humans

Male and female reproductive systems; Menstrual cycle; Gamete production; Fertilisation; Implantation; Embryo development; Pregnancy and parturition; Birth control and contraception.

Unit : 8 Ecology and Environment

Meaning of ecology, environment, habitat and niche.

Ecological levels of organization (organism to biosphere); Characteristics of Species, Population, Biotic Community and Ecosystem; Succession and Climax.

Ecosystem – Biotic and abiotic components; Ecological pyramids; Food chain and Food web; Energy flow; Major types of ecosystems including agroecosystem.

Ecological adaptations – Structural and physiological features in plants and animals of aquatic and desert habitats.

Biodiversity – Meaning, types and conservation strategies (Biosphere reserves, National parks and Sanctuaries)

Environmental Issues – Air and Water Pollution (sources and major pollutants); Global warming and Climate change; Ozone depletion; Noise pollution; Radioactive pollution; Methods of pollution control (including an idea of bioremediation); Deforestation; Extinction of species (Hot Spots).

Unit : 9 Biology and Human Welfare

Animal husbandry – Livestock, Poultry, Fisheries; Major animal diseases and their control. Pathogens of major communicable diseases of humans caused by fungi, bacteria, viruses, protozoans and helminths, and their control. Cancer; AIDS.

Adolescence and drug/alcohol abuse;

Basic concepts of immunology.

Plant Breeding and Tissue Culture in crop improvement.

Biofertilisers (green manure, symbiotic and free-living nitrogen-fixing microbes, mycorrhizae);

Biopesticides (micro-organisms as biocontrol agents for pests and pathogens); Bioherbicides;

Microorganisms as pathogens of plant diseases with special reference to rust and smut of wheat, bacterial leaf blight of rice, late blight of potato, bean mosaic, and root - knot of vegetables.

Bioenergy – Hydrocarbon - rich plants as substitute of fossil fuels.

Unit : 10 **Biotechnology and its Applications**

Microbes as ideal system for biotechnology;

Microbial technology in food processing, industrial production (alcohol, acids, enzymes, antibiotics), sewage treatment and energy generation.

Steps in recombinant DNA technology – restriction enzymes, DNA insertion by vectors and other methods, regeneration of recombinants.

Applications of R-DNA technology. In human health –Production of Insulin, Vaccines and Growth hormones, Organ transplant, Gene therapy. In Industry – Production of expensive enzymes, strain improvement to scale up bioprocesses. In Agriculture – GM crops by transfer of genes for nitrogen fixation, herbicide-resistance and pest-resistance including Bt crops.

APPENDIX-II

LIST OF CITIES FOR CENTRES OF PRELIMINARY EXAMINATION OF ALL INDIA PRE-MEDICAL/PRE-DENTAL ENTRANCE EXAMINATION 2011

Name of City Centre	Code No.
ITANAGAR	01
AGARTALA	02
PORT BLAIR	03
SHILLONG	04
IMPHAL	05
PANAJI	06
PUDUCHERRY	07
GUWAHATI	08
TRIVANDRUM	09
COCHIN	10
BHUBANESHWAR	11
CHENNAI	12
PATNA	13
RANCHI	14

Name of City Centre	Code No.
MUMBAI	15
NAGPUR	16
AHMEDABAD	17
SHIMLA	18
LUCKNOW	19
NOIDA	20
DEHRADUN	21
CHANDIGARH	22
DELHI	23
KOLKATA	24
BANGALURU	25
BHOPAL	26
RAIPUR	27
JAIPUR	28

**LIST OF CITIES FOR CENTRES OF FINALEXAMINATION OF
ALL INDIA PRE-MEDICAL/PRE-DENTAL ENTRANCE EXAMINATION, 2011**

Name of City Centre	Code No.
COCHIN	51
BHUBANESHWAR	52
CHENNAI	53
RANCHI	54
MUMBAI	55
LUCKNOW	56
DELHI	57
KOLKATA	58
BHOPAL	59
JAIPUR	60

APPENDIX-IV

FORMAT OF AFFIDAVIT FOR ANDHRA PRADESH/J & K CANDIDATES

(On Non Judicial Stamp Paper of Rs. 10/- and to be sent alongwith Application Form.)

AFFIDAVIT

I, Son/Daughter of
r/odo hereby solemnly affirm and state as follows:-

- That I am not eligible to **appear** for the MBBS/BDS seats in states of Andhra Pradesh/J&K and hence not eligible to seek admission in Medical/Dental Colleges of Andhra Pradesh/J&K..
and
- That I am not domiciled in Andhra Pradesh/J&K.

DEPONENT

VERIFICATION:

I, the above named deponent do hereby verify that the facts stated in paragraphs 1 and 2 of the affidavit are true to my personal knowledge.

Verified at on this day of

DEPONENT

APPENDIX-V

LIST OF STATE CODES

NAME OF THE STATE/UT	CODE No.
Andaman & Nicobar Islands	03
Arunachal Pradesh	01
Assam	08
Bihar	12
Chandigarh	22
Dadra & Nagar Haveli (UT)	24
Daman & Diu (UT)	25
Delhi	23
Goa	06
Gujarat	17
Haryana	26
Himachal Pradesh	18
Karnataka	14
Kerala	09
Lakshadweep (UT)	27
Madhya Pradesh	20
Maharashtra	15
Manipur	05
Meghalaya	04
Mizoram	28
Nagaland	29
Orissa	10
Puducherry (UT)	07
Punjab	30
Rajasthan	21
Sikkim	31
Tamil Nadu	11
Tripura	02
Uttar Pradesh	19
West Bengal	13
J&K	33
Andhra Pradesh	34
Uttarakhand	35
Chhattisgarh	32
Jharkhand	36

APPENDIX-VI

CODES OF THE SCHOOL EDUCATION BOARDS OF CLASS XII

BOARDS	CODES
Andhra Pradesh Board of Intermediate Education	01
Assam Higher Secondary Education Council	02
Bihar Intermediate Education Council	03
Central Board of Secondary Education	04
Chhattisgarh Madhyamik Shiksha Mandal	05
Council for the Indian School Certificate Examinations	06
Goa Board of Secondary and Higher Secondary Education	07
Gujarat Secondary Education Board	08
Haryana Board of Education	09
H P Board of School Education	10
J & K State Board of School Education	11
Jharkhand Academy Council	12
Karnataka Board of Pre-University Education	13
Kerala Board of Public Examinations	14
Madhya Pradesh Board of Secondary Education	15
Maharashtra State Board of Secondary and Higher Secondary Education	16
Manipur Council of Higher Secondary Education	17
Meghalaya Board of Secondary Education	18
Mizoram Board of School Education	19
Nagaland Board of School Education	20
Orissa Council of Higher Secondary Education	21
Punjab School Education Board	22
Rajasthan Board of Secondary Education	23
Tamil Nadu Board of Higher Secondary Education	24
Tripura Board of Secondary Education	25
U.P. Board of High School & Intermediate Education	26
Uttaranchal Shiksha Evam Pariksha Parishad	27
West Bengal Council of Higher Secondary Education	28
National Institute of Open Schooling	29
Others	30

LIST OF MEDICAL/DENTAL COLLEGES WHERE SEATS MAY BE AVAILABLE FOR ALLOTMENT

MEDICAL COLLEGES:

Institution Name of State/Union Territory/Medical Colleges Code No.

ASSAM

AS 01 Assam Medical College, Dibrugarh
AS 02 Guwahati Medical College, Guwahati
AS 03 Silchar Medical College, Silchar
AS04 JMC, Jorhat

BIHAR

BR 01 AN Magadh Medical College, Gaya
BR 02 Darbhanga Medical College, Laheriasarai
BR 03 Jawahar Lal Nehru Medical College, Bhagalpur
BR 04 Nalanda Medical College, Patna
BR 05 Patna Medical College, Patna
BR 06 SK Medical College, Muzaffarpur

CHANDIGARH

CH 01 Govt. Medical College, Chandigarh

CHHATTISGARH

CG 01 Pt. JNM Medical College, Raipur
CG 02 GMCNDMC, Jagdalpur
CG 03 GMC(CIMS), Bilaspur

DELHI

DL 01 LHMC, New Delhi (for Girls only)
DL 02 Maulana Azad Medical College, New Delhi
DL 03 University College of Medical Science, Delhi
DL-04 VMMC & SJH, New Delhi

GOA

GA 01 Goa Medical College, Panaji

GUJARAT

GJ 01 B.J. Medical College, Ahmedabad
GJ 02 Government Medical College, Surat
GJ 03 NHL Municipal Medical College, Ahmedabad
GJ 04 Medical College, Baroda
GJ 05 M.P. Shah Medical College, Jamnagar
GJ 06 Pandit DDU Medical College, Rajkot
GJ 07 Govt. Medical College, Bhavnagar.

HARYANA

HR 01 Pt. Bhagwat Dayal Sharma Medical College, Rohtak

Institution Name of State/Union Territory/Medical Colleges Code No.

HIMACHAL PRADESH

HP 01 Indira Gandhi Medical College, Shimla
HP 02 Dr. R P G Medical College, Tanda

JHARKHAND

JH 01 MGM Medical College, Jamshedpur
JH 02 Rajendra Institute of Medical Sciences, Ranchi
JH 03 Patliputra Medical College, Dhanbad

KARNATAKA

KA 01 Bangalore Medical College, Bangalore
KA 02 Vijaynagar Institute of Medical Science, Bellary
KA 03 Karnataka Institute of Medical Science, Hubli
KA 04 Mysore Medical College, Mysore
KA 05 Hassan Institute of Medical Sciences, Hassan
KA 06 Belgaun Institute of Medical Sciences, Belgaun
KA 07 Mandyn Institute of Medical Sciences, Mandyn
KA 08 Raichur Institute of Medical Sciences, Raichur
KA 09 Shimoga Institute of Medical Sciences, Shimoga
KA 10 Bidar Institute of Medical Sciences, Bidar

KERALA

KL 01 Government Medical College, Kozhikode
KL 02 Government Medical College, Thiruvananthapuram
KL 03 T.D. Medical College, Alleppey (Allappuzha)
KL 04 Government Medical College, Trichur
KL 05 Government Medical College, Kottayam

MAHARASHTRA

MH 01 B.J. Medical College, Pune
MH 02 Dr. V.M. Medical College, Sholapur
MH 03 Govt. Medical College, Aurangabad
MH 04 Govt. Medical College, Nagpur
MH 05 Grant Medical College & Sir J.J. Hospital, Mumbai
MH 06 Indira Gandhi Medical College, Nagpur
MH 07 L.T.M. Medical College, Mumbai
MH 08 Government Miraj Medical College, Miraj
MH 09 Seth G.S. Medical College, Mumbai
MH 10 SRTR Medical College, Ambajogai
MH 11 T.N. Medical College, Mumbai
MH 12 Govt. Medical College, Nanded

Institution Name of State/Union Territory/Medical Colleges Code No.

MH 13 Shri Vasant Rao Naik Medical College, Yavatmal
 MA 14 Shri B.H. Govt. Medical College, Dhule
 MH 15 R.G.M.C. & Chap. S.M. Hospital, Thane
 MH 16 R.S.C.S.M. GMC, Kolhapur
 MH 17 Government Medical College, Akola
 MH 18 Government Medical College, Latur

MEGHALAYA

ME 01 NEIGRIHMS, Shillong

MANIPUR

MN 01 Regional Institute of Medical Sciences, Imphal
 MN 02 JNIMS, Imphal

MADHYAPRADESH

MP 01 Gandhi Medical College, Bhopal
 MP 02 Netaji SCB Medical College, Jabalpur
 MP 03 G.R. Medical College, Gwalior
 MP 04 M.G.M. Medical College, Indore
 MP 05 S.S. Medical College, Rewa
 MP 06 BMC, Sagar

ORISSA

OR 01 MKCG Medical College, Berhampur, Ganjam
 OR 02 SCB Medical College, Cuttack
 OR 03 V.S.S. Medical College, Burla Distt, Sambalpur

PUNJAB

PB 01 Govt. Medical College, Patiala
 PB 02 GGS Medical College, Faridkot
 PB 03 Govt. Medical College, Amritsar

RAJASTHAN

RJ 01 Dr. S.N. Medical College, Jodhpur
 RJ 02 JLN Medical College, Ajmer
 RJ 03 SMS Medical College, Jaipur
 RJ 04 S.P. Medical College, Bikaner
 RJ 05 R.N.T. Medical College, Udaipur
 RJ 06 Govt. Medical College, Kota

TAMILNADU

TN 01 Chengalpattu Medical College, Chengalpattu
 TN 02 Coimbatore Medical College, Coimbatore
 TN 03 Kilpauk Medical College, Chennai
 TN 04 Madras MC, Chennai

Institution Name of State/Union Territory/Medical Colleges Code No.

TN 05 Madurai Medical College, Madurai
 TN 06 Stanley Medical College, Chennai
 TN 07 Thanjavur Medical College, Thanjavur
 TN 08 Tirunelveli Medical College, Tirunelveli
 TN 09 Govt. MKMM Medical College, Selam
 TN 10 K A P V G Medical College, Tiruchurapalli
 TN 11 T G M C, Thoothukudi
 TN 12 K G M C, Asaripallam
 TN 13 G V M C, Vellore
 TN 14 Theni M.C., Theni
 TN 15 G D M C, Dharampuri
 TN 16 G M C, Thiruvavarur
 TN 17 G M C, Villupuram

TRIPURA

TR 01 A G M C, Agartala

UTTARAKHAND

UT 01 G G M S & R, Srinagar, Pauri, Garhwal
 UT 02 UT. FHTMC, Haldwani

UTTAR PRADESH

UP 01 BRD Medical College, Gorakhpur
 UP 02 GSV Memorial Medical College, Kanpur
 UP 03 CSM Medical University, Lucknow
 UP 04 LLR Memorial Medical College, Meerut
 UP 05 Maharani Lakshmi Bai Medical College, Jhansi
 UP 06 MLN Medical College, Allahabad
 UP 07 S.N. Medical College, Agra
 UP 08 R I M S & R, Safai
 UP 09 I M S, BHU, Varanasi

WEST BENGAL

WB 01 BS Medical College, Bankura
 WB 02 Burdwan Medical College, Burdwan
 WB 03 Kolkatta National Medical College, Kolkatta
 WB 04 Medical College, Kolkatta
 WB 05 NRS Medical College, Kolkatta
 WB 06 North Bengal Medical College, Darjeeling
 WB 07 R.G. KAR Medical College, Kolkatta
 WB 08 I.P.G.M.E.R., Kolkatta
 WB 09 M.G.M.C. & H., Maidanpur
 WB 10 COM & JNM Hospital, Kalyani