INFORMATION BULLETIN

WBJEE-2026

Date of Examination
24-05-2026
Sunday

Common Entrance Test for admission to UG Courses in Engineering/Technology, Pharmacy and Architecture

West Bengal Joint Entrance Examinations Board
West Bengal

INFORMATION BULLETIN

WBJEE-2026

Common Entrance Test for admission to UG Courses in Engineering/Technology, Pharmacy and Architecture etc.

Candidates must go through the Information Bulletin carefully before registration for the entrance examination.

West Bengal Joint Entrance Examinations Board
RUPANNA
DB-118, Sector-I, Salt Lake City
Kolkata 700064
Toll free No.- 1800-123-4782 (Extn. No.- 2)

IMPORTANT INSTRUCTIONS TO CANDIDATES WHILE REGISTERING FOR WBJEE-2026

Upon receipt of an application, it will be assumed that the applicant accepts all terms, conditions, and guidelines listed in the Information Bulletin, as well as any relevant notices issued by the Board for that purpose.
Any application not in compliance with the conditions specified in the Information Bulletin is liable to be rejected.

1. Application for the examination must be made online only. No printed application form is available.

2. Ensure to fill up the genuine application form available online only at **www.wbjeeb.nic.in**

3. Do not attempt to make any duplicate application.

4. It is essential to have a valid mobile number and a unique, valid email ID.
All future communications by the Board will be sent to the registered mobile number and email ID. WBJEEB will not be held responsible for non-receipt of any communication due to wrong/non-existing/non-functional/changed mobile number/ email ID or network interruption.

5. Once the registration details, i.e., **name, father's name, mother's name, domicile and date of birth,** are entered and submitted, this information **cannot be changed/modified/edited under any circumstances**.
Also, the information must match exactly with the school/college admit cards, mark sheets, certificates, photo identity cards, caste/category/income certificates, etc. (as applicable), which a candidate has to produce at the time of entering the examination hall, during counselling/admission and registration with the University.

6. Candidates are advised not to disclose their application number, password, or security question/answer to any individual. The Board shall not be held responsible for any mistakes made by a candidate that may have adverse outcomes.

7. Each candidate needs to upload a scanned copy of their signature and photo, following the guidelines in the information bulletin. Regarding this, any applicant who receives an SMS or email from the board pointing out a photo or signature inconsistency has to take action to correct it promptly, within a day. If these pictures are unclear and thus undesirable, admit cards cannot be issued.

8. If the candidate wishes to rectify any information provided in the application, **apart from their name, father's name, mother's name, domicile, and date of birth**, they may do so solely during the specified "**Correction Period**. The Board will, after that, restrict or stop any more changes.

9. The Examination Fees can only be paid by Net Banking/ Debit Card/ Credit Card/ UPI/ QR Code. The application fee for WBJEE-2026 is:

Fee payable for WBJEE – 2026 (through Net Banking/ Debit Card/ Credit Card/ UPI/ QR Code) No service charges will be imposed by the authorised Banks		
Category of Candidates	**Gender**	**(Fees in ₹)**
General	Male	**500**
	Female	**400**
	Third Gender	**300**
SC/ST/ OBC-A /OBC-B/EWS/ PwD/ TFW	Male	**400**
	Female	**300**
	Third Gender	**200**

The fee is not refundable under any circumstances.
Do not wait for the last day to pay registration fees to avoid payment failure by the Bank or EPG.

10. Keep copies of the **Confirmation page and the Admit card** in safe custody.

11. Candidates are requested to regularly go through the Board's website (www.wbjeeb.nic.in/ wbjeeb.in) to update themselves on the latest information.

12. Cautionary:

- Appearing for the examination and even obtaining a rank does not guarantee admission.
- Applicable rules at the time of counselling will determine allotment and admission criteria.
- Candidates must make themselves aware of the latest rules and criteria for admission into different Universities/Institutions and other specific criteria issued by the Government/ Regulatory bodies from time to time.
- If a candidate does not keep himself/herself informed about any updated material regularly, the board will not be held accountable.
- The candidates will be prima face allowed in the examination based on the information provided by the candidates during the online application, but the documents concerning the information provided by the candidates will only be verified by the allotted institute(s) during and after counselling/admission. Therefore, candidates' certificates, documents, and proofs must be valid at the time of verification. If a candidate's claim is found to be invalid during verification, his/her category, rank, or admission may be revoked.
- The detailed schedule of all activities regarding the examination will be available on the Board's website, in due course of time.
- For any query regarding the examination, contact:

West Bengal Joint Entrance Examinations Board
RUPANNA
DB-118, Sector –I,
Salt Lake City,
Kolkata-700064

Examination Helpdesk: - 1800-123-4782 (Ext. No.-2)
Email: info@wbjeeb.in
Website: www.wbjeeb.in

CONTENT

1.0 Introduction

The West Bengal Joint Entrance Examinations Board

The West Bengal Joint Entrance Examinations Board (WBJEEB), established in 1962 by the Government of West Bengal, was exclusively authorized under the West Bengal Act XIV of 2014 to conduct Common Entrance Examinations for selecting candidates for admission to undergraduate and postgraduate Professional, Vocational, and General Degree courses in the state, as well as to manage the online counselling process or otherwise adopting a single-window approach. WBJEEB has been instrumental in the admission process based on online application and allotment through e-Counselling since then. It advocates fairness and transparency, ensures no error, and adopts state-of-the-art technology in all its activities.

2.0 West Bengal Joint Entrance Examination-2026 (WBJEE-2026)

The **West Bengal Joint Entrance Examination (WBJEE)** is a prestigious state-level entrance test conducted annually by the **West Bengal Joint Entrance Examinations Board (WBJEEB)**. The Board will conduct a one-time OMR-based Common Entrance Examination (WBJEE-2026) for admission to Undergraduate courses in Engineering, Technology, Pharmacy, and Architecture for the 2026-27 academic session in various universities and institutes across West Bengal.

The examination is tentatively scheduled during April to May, preferably on a **Sunday**. Since long time, it remains a robust **offline (OMR-based)** examination consisting of two papers.

II. Syllabus Overview & Content

In general, the WBJEE syllabus is closely aligned with the Class 11 and 12 curricula of the recognised Indian Boards/Council of Higher Secondary Education. It emphasises conceptual clarity and numerical application.

Subject	Weightage & Questions	Core Topics
Mathematics	**75 Questions** (100 Marks)	**Calculus, Algebra, Coordinate Geometry**, Vectors, 3D Geometry, Probability, etc. Mathematics has consistently been the most challenging section, requiring strong problem-solving skills and strict time management.
Physics	**40 Questions** (50 Marks)	**Mechanics, Thermodynamics, Electrostatics**, Magnetic Effects of Current, Optics, and Modern Physics, etc. Questions range from moderate to difficult, with a heavy focus on numerical problems and conceptual clarity.
Chemistry	**40 Questions** (50 Marks)	**Inorganic Chemistry** (Chemical Bonding, p-block), **Physical Chemistry** (Equilibrium, Kinetics), and **Organic Chemistry**, etc. With a focus on conceptual clarity.

2.1 Schedule of WBJEE-2026

Date of Examination	Paper/ Subject	Schedule
24.05.2026 (Sunday) (Tentative and may be changed in extraordinary circumstances)	Paper-I (Mathematics)	11:00 a.m. to 1.00 p.m.
	Paper II (Physics & Chemistry)	2:00 p.m. to 4:00 p.m.

2.2 Papers and ranks

- Candidates appearing in both paper I and paper II are eligible for a **General Merit Rank (GMR) and a Pharmacy Merit Rank (PMR).** Such candidates may be considered for admission in all courses of Engineering and Pharmacy.
- Candidates appearing only in paper II are eligible for PMR only. Such candidates may be considered for admission into Pharmacy courses only (except at Jadavpur University).
- **Candidates appearing only in paper-I are not eligible for any rank.**

2.3 The Pattern of Question Papers in WBJEE-2026

All questions will be **Multiple-Choice Questions (MCQs), with four options per** question. There will be three question categories in each subject. The number of questions, as well as the maximum marks for each, are given in the following table:

Subject	Category-1 Each Q carries 1 (One)mark (-ve marks =-1/4)	Category-2 Each Q carries 2 (two)marks (-ve marks =-1/2)	Category-3 Each Q carries 2 (two)marks (No -ve marks)	Total Number of Questions	Total Marks
	No. of Q	No. of Q	No. of Q		
Mathematics	50	15	10	75	100
Physics	30	5	5	40	50
Chemistry	30	5	5	40	50

2.4 Application Fees:

Fee payable for WBJEE – 2026 (through Net Banking/ Debit Card/ Credit Card/ UPI/ QR Code) No service charges will be imposed by the authorised Banks		
Category of Candidates	**Gender**	**(Fees in ₹)**
General	Male	**500**
	Female	**400**
	Third Gender	**300**
SC/ST/ OBC-A /OBC-B/EWS/ PwD/ TFW	Male	**400**
	Female	**300**
	Third Gender	**200**

2.5 Syllabus of Examination: The subject-wise Syllabus for the WBJEE-2026 is given in Appendix 8.

2.6 Mode of answering in the examination

- Questions are to be answered on a specially designed optical machine-readable response **(OMR)** sheet, which will be evaluated by the Optical Mark Recognition method. Thus, it is very important to follow the correct marking procedure.
- Candidates will indicate their response to the questions by **darkening the appropriate circle/bubble entirely with a blue/black ink ballpoint pen**. The pen will be provided by the WBJEEB.
- Any other kind of marking, e.g., filling the circle/bubble incompletely, filling with pencil, cross mark, tick mark, dot mark, circular mark, overwriting, scratching, erasing, white ink(prohibited), marking outside the circle/bubble, etc., may lead to wrong/partial/ambiguous reading of the response. **WBJEEB will not be responsible for such an eventuality, and this may result in the cancellation of the OMR sheet.**
- Response marking cannot be edited/changed/erased/modified.

2.7 Scoring Methodology

Type	Details of Scoring
Category-1	a) Only one option is correct. b) The correct response will yield 1 (one) mark for each question. c) The incorrect response will yield -¼ (25% negative) marks for each question. d) For any combination of more than one option, even if it contains the correct option, the said answer will be treated as incorrect and will yield -¼ (25% negative) marks. e) Not attempting the question will fetch zero marks.
Category-2	a) Only one option is correct. b) The correct response will yield 2(two) marks for each question. c) The incorrect response will yield -1/2 (25% negative) marks for each question. d) For any combination of more than one option, even if it contains the correct option, the said answer will be treated as incorrect and will yield -1/2 (25% negative) marks. e) Not attempting the question will fetch zero marks.
Category-3	a) One or more option(s) is/are correct. b) Marking all correct option(s) only will yield 2 (two) marks. c) For any combination of answers containing one or more incorrect options, the said answer will be treated as wrong, yielding a zero mark even if one or more of the chosen options(s) is/are correct. d) For partially correct answers, i.e., when all right options are not marked and also no incorrect options are marked, marks awarded =2 × (no of correct options marked) / total no of correct options. e) Not attempting the question will fetch zero marks.

2.8 Ranking Methodology and Merit Lists

WBJEEB will prepare merit ranks based on the candidates' **scores in the Common Entrance Test.** Individual candidates will be able to view and download their rank cards, which will contain their score and rank. **WBJEEB does not publish any rank/score list for public release to ensure the confidentiality of** individual candidates.
Based on the papers (subjects) that appeared and the corresponding marks scored, two separate Merit Ranks shall be generated in the following method:

A. General Merit Rank (GMR):

a) A sequence of General Merit Ranks (GMR) will be prepared based on the total scores obtained in Paper I and Paper II, taken together.
b) Ranking shall be done in descending order of total marks scored in all the subjects. In the event of a tie, the tie-breaking rules in 2.9.1 shall apply.
c) Separate reserved category merit positions will also be indicated for therespective category of students, e.g., SC Rank, ST Rank, OBC-A Rank, OBC-B Rank, EWS Rank, PwD Rank, TFW Rank, etc., as applicable.
d) Admission to all Engineering / Technology / Architecture Courses and the Pharmacy Course at Jadavpur University will be based only on **GMR**.
e) Sequencing orders for counselling/allotment of seats/admission will be based only on GMR (not category ranks). Category ranks will appear only in the rank card to indicate the category-wise position of the respective candidate.

B. Pharmacy Merit Rank (PMR):

a) A sequence of Pharmacy Merit Rank (PMR) will be prepared based on the score in paper II only, i.e., Physics and Chemistry.
b) Ranking shall be done in descending order of marks scored in Paper II. In the event of a tie, the tie-breaking rules in 2.9.2 shall apply.
c) Separate reserved category merit positions will also be indicated for respective categories of students, e.g., SC Rank, ST Rank, OBC-A Rank, OBC-B Rank, EWS Rank, PwD Rank, TFW Rank, etc., as applicable.
d) Admission to all Pharmacy Courses (including Pharm. D. Course) except in Jadavpur University shall be made based on **PMR**.
e) Sequencing orders for counselling/allotment of seats/admission will be based only on PMR (not on category ranks). Category ranks will appear only in the rank card to indicate the category-wise position of the respective candidate.

C. Category ranks:

The category information provided by candidates during the online application is verified by the allotted institute during counselling. Candidates must ensure their documents are valid on the verification date. If a candidate's claim is invalid, their category rank will be cancelled, and they will be considered under the general category. The ranks of other candidates' categories will remain unchanged.

2.9 Tie-breaking Methodology in Determination of Merit Rank

2.9.1 Tie-breaking Rules for GMR

i. Less negative marks in Mathematics, Physics and Chemistry taken together.
ii. More positive marks in Mathematics and Physics taken together.
iii. More positive marks in Mathematics and Chemistry taken together.
iv. Less negative marks in Mathematics and Physics taken together.
v. Less negative marks in Mathematics and Chemistry taken together.
vi. More positive marks in Mathematics for only the 2 (two) marks questions
vii. More positive marks in Physics for only the 2 (two) marks questions
viii. More positive marks in Chemistry for only the 2 (two) marks questions
ix. Less negative marks in Mathematics for only the 2 (two) marks questions
x. Less negative marks in Physics for only the 2(two) marks questions.
xi. Less negative marks in Chemistry for only the 2(two) marks questions.

2.9.2 Tie-breaking Rules for PMR

i. Less negative marks in Physics & Chemistry, taken together.
ii. More positive marks in Chemistry
iii. Less negative marks in Chemistry
iv. More positive marks in Chemistry for only the 2 (two) marks question
v. Less negative marks in Chemistry for only the 2(two) marks questions
vi. More positive marks in Physics for only the 2 (two) marks questions
vii. Less negative marks in Physics for only the 2 (two) marks questions.

2.9.3 Final Tie-breaking rule for GMR and PMR

After application of the Tie-breaking Rules, as applicable, if there are still ties, they will be broken by the candidates' date of birth (DOB), with the older candidate having preference over the younger. If the tie remains, it will be decided by application number in ascending order, i.e., the candidate who applied earlier will be given preference.

2.10 Rules of the examination: Rules to be followed during the examination are given in Appendix 9

3.0 Eligibility and academic qualification

3.1 Eligibility criteria for appearing in the WBJEE-2026

a) Citizenship: Applicant must be a citizen of India or OCI (subject to approval of the Competent Authority). OCI candidates will be eligible for only Unreserved seats in the All-India quota.

b) Candidates must have passed the 12th standard (10+2) or its equivalent examination before 2026or appearing in the 12th standard (10+2) or its equivalent examination in 2026.

c) Age Restriction:

i. The lower age limit is 17 (seventeen) years as of 31.12.2026. A candidate should have been born on or before 31.12.2009. There is no upper age limit for appearing in the examination.
ii. However, for admission to the degree-level Marine Engineering Course, the upper age limit is 25 Years as of 31.12.2026.

3.2 Academic criteria for admission

a) The following sections describe the criteria as per the latest communications received from the concerned Authorities.

b) Candidates must make themselves aware of the latest applicable rules of different Universities, Institutions, Government Departments, and Regulatory Bodies, like AICTE, PCI etc., at the time of admission. The board will not be responsible in any way if any candidate fails to make himself/herself aware of any updated information regularly.

c) The Board would notify revisions, corrections, modifications, addendum, and corrigendum, if any received from concerned Authorities till the start of counselling.

3.2.1 General criteria for admission into Engineering/Technology courses

The following criteria remain in effect unless otherwise stated in Section 3.3.
As per AICTE, aspiring candidates should have passed 10+2 examination with Physics/ Mathematics/ Chemistry/ Computer Science/ Electronics/ Information Technology/ Biology/ Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/ Entrepreneurship as given in Table 8.4 in AICTE Approval Process Handbook-2024-2027 and as annexed (Appendix-7).

Agriculture stream (for Agriculture Engineering).

Must have obtained at least 45% marks (40% in case of candidates belonging to reserved category, i.e., SC, ST, OBC-A, OBC-B, PwD) taken together in three subjects as mentioned in Table 8.4 in AICTE Approval Process Handbook-2024, and as annexed (Appendix-7).
OR
Passed D.Voc. Stream in the same or allied sector.

(*The Universities will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to prepare a level playing field and desired learning outcomes of the programme*)

The admission criteria for all B.Tech. programmes shall be in accordance with the prevailing eligibility norms prescribed by the All India Council for Technical Education (AICTE) and other relevant statutory bodies. These eligibility norms, including any amendments or revisions made from time to time, shall be binding on all admitting institutions and universities unless otherwise specifically stated or notified.

N.B. In addition to the above, the following criteria must be fulfilled for admission to the University/ Institute/ College in West Bengal.

i. Must have **passed** in English in the 12th standard (10+2) or equivalent examination with at least 30% marks.
ii. Required to pass theoretical and practical/project exams in all permitted subject combinations.
iii. Nevertheless, admission to specific universities (including affiliated institutes) is subject to the admission criteria set by them. Any modifications or additions made by the Competent Authorities will be duly communicated by the Board via the official website before the commencement of counselling.
iv. For the nomenclature of different undergraduate courses in Engineering and Technology, it is advised to consult AICTE Approval Process Handbook-2024-2027, Section-11.3, page Nos. 119-121(See APPENDIX-7a in this Bulletin)

3.2.2 General criteria for admission to Pharmacy courses

These criteria will apply unless special criteria are specified in section 3.3.

a) Candidate must have passed the '10+2' examination with Physics, Chemistry, Mathematics / Biology as compulsory subjects with individual pass marks (in both theory and practical/project wherever applicable) in all three subjects as stated above.
b) Must have obtained at least 45% marks (40% in case of candidates belonging to the reserved category, i.e. SC, ST, OBC-A, OBC-B, PwD) in the above three subjects, taken together.
c) Must have passed English in the '10+2' examination with at least 30% marks.
d) The Board of the said Qualifying Examination must be recognised by the Central Government or State Government concerned.
e) Candidates applying for admission to the Pharm.D. program are also eligible. Additional details regarding admission to the Pharm.D. course will be announced in due course.

3.2.3 General criteria for admission into a five-year degree course in Architecture

These criteria will apply unless special criteria are specified in section 3.3.

a) As per the norms and standards of the Council of Architecture (COA), No candidate shall be admitted to an architecture course unless she/he has passed an examination at the end of the 10+2 scheme of examination with 50% marks in Physics, Chemistry and Mathematics taken together with individual pass marks and also 50% marks in aggregate of the 10+2 level examination.

b) Candidate must also qualify for the NATA (National Aptitude Test in Architecture) conducted by the Council of Architecture (COA), New Delhi. However, any further notification in this regard, if issued by COA/NTA, may also be applied.

3.2.4 General criteria for admission into Marine Engineering

These criteria will apply unless special criteria are specified in section 3.3.

As per the norms and standards of the Director General of Shipping, Government of India, Candidates must pass the Higher Secondary (10+2) Examination of the West Bengal Council of Higher Secondary Education or equivalent examination from a recognised Council/Board in regular class mode with:

60% marks in Physics, Chemistry and Mathematics taken together with individual pass marks (both in theory and practical/project wherever applicable) in each of the said subjects.

Minimum of 50% marks in English as a subject in either the '10' standard or in the '10+2' standard.

N.B.: As per the norms and standards of the Director General of Shipping, Government of India, 25% of seats of the total intake of an institution must be filled in at the time of admission; otherwise, the course could not be continued for that academic session by the institution.

3.2.5 General criteria for admission into Mining Engineering

These criteria will apply unless special criteria are specified in section 3.3.

It is the same as section 3.2.1, but the candidate must not have colour blindness/uniocularity.

3.2.6 Document verification

a) The information provided by the candidate becomes the basis for issuing admit cards and rank cards. The assigned institute conducts all verifications during and after counselling/admission.

Candidates should not presume that the Board has approved their personal information on the admission card/rank card.

b) Incorrect information or inability to produce valid documents during document verification by the allotted Institute may result in ineligibility for seats/courses.

c) If the candidate provides false/incorrect information during or after counselling, their candidature may be cancelled, even if they have secured a Merit Rank and/or a seat. Rank does not ensure admission if an applicant does not meet the requirements.

3.3 Special academic criteria: This section lists special academic requirements for admission to certain universities/departments/institutions or courses based on notifications from the concerned authorities. The conditions in section 3.2 apply to all other institutes and courses not listed here.

3.3.1 University of Calcutta

The admission criteria for all B. Tech. Courses (including Jute & Fibre Technology) may be considered as follows:

Candidate must pass '10+2' or equivalent Examination from a recognized Council/ Board in regular class mode with Mathematics, Physics and Chemistry as compulsory subjects with at least 60% (55% for Reserve Category students i.e. SC, ST, OBC-A, OBC- B, PwD) marks in the above three subjects taken together, individual pass marks (both in theory & practical wherever applicable) in each of the subjects, and pass marks in English with a minimum of 30% in the said qualifying examination.

3.3.2 Jadavpur University

a) Engineering/Technology and Pharmacy courses: Candidates must pass the Higher Secondary (10+2) Examination in the science stream from the West Bengal Council of Higher Secondary Education or equivalent examination from a recognised Council/Board with -

(i) Individual pass marks (both in theory & practical/project wherever applicable) in Physics, Chemistry and Mathematics as compulsory subjects.

&

(ii) Minimum of 60% marks for General-OPEN & EWS, 45°% for SC, ST & PWD and 54°% for OBC-A & OBC-

B candidates in the above subjects taken together and having 60°% for General-OPEN & EWS, 45°% for SC, ST & PWD and 54% for OBC-A & OBC-B marks in Mathematics; as well as pass marks in English with a minimum mark 30% (for all categories of candidates) in the said qualifying examination.

b) Architecture courses: Candidates must pass the Higher Secondary (10+2) Examination in the science stream from the West Bengal Council of Higher Secondary Education or equivalent examination from a recognised Council/Board with:

(i) Minimum of 50°% marks for General-OPEN & EWS, 45°% for SC, ST, OBC-A, OBC-B & PwD candidates in Physics, Chemistry and Mathematics and 50°% marks for General-OPEN & EWS, 45°% for SC, ST, OBC-A, OBC-B, PwD candidates in aggregate of the (10+2) Examination;

&

(ii) Candidates must qualify for NATA (National Aptitude Test in Architecture), conducted by the Council of Architecture (COA), New Delhi, or JEE Main Paper-II. The Results of the above examination should be valid.

3.3.3 Bidhan Chandra Krishi Viswa Vidyalaya (B.Tech. in Agricultural Engineering)

a) The candidate must pass the Higher Secondary (10+2) or its equivalent examinations with Physics, Chemistry, Mathematics and English as compulsory subjects with individual pass marks (in both theory and practical wherever applicable) in all the above four subjects in regular class mode.

b) General-Open &EW;45% for SC, ST, OBC-A, OBC-B, candidates in the above four subjects taken together.

3.3.4 West Bengal University of Animal and Fishery Sciences (B. Tech in Dairy Technology)

a) Citizenship: The Applicant must be a citizen of India.
b) Age: Not less than 17 years as of 31st December in the year of application.
c) The candidate must be a domicile of West Bengal.
d) The candidate must qualify for the West Bengal Joint Entrance Examination for Engineering/Technology (WBJEE-2026) conducted by WBJEEB.
e) The candidate must pass the Higher Secondary (10+2) Examination of the West Bengal Council of Higher Secondary Education or its equivalent examination in the science stream from any recognised Board/Council of any institution.
f) The candidate must pass the Higher Secondary (10+2) or its equivalent examinations with Physics, Chemistry, Mathematics and English as compulsory subjects with individual pass marks (in both theory and practical wherever applicable) in all the above four subjects in regular class mode.
g) The candidate must obtain at least 50% marks (40% in case of candidates belonging to SC, ST, OBC-A, OBC-B, PwD) in the above four subjects taken together.

3.3.5 Uttar Banga Krishi Viswavidyalaya

B.Tech. in Agricultural Engineering at the Faculty of Technology, Uttar Banga Krishi Viswavidyalaya. The modified criteria is as follows:

a) The candidates must pass the Higher Secondary (10+2) or equivalent examinations from a recognised Council/ Board in regular class mode with English, Physics, Mathematics and Chemistry/Agriculture as compulsory subjects with individual pass marks (in both theory and practical wherever applicable) in all the above four subjects.
b) The candidate must obtain at least 45% marks (40% in case of candidates belonging to SC, ST, OBC-A, OBC-B, PwD) in the above four subjects taken together.

3.3.6 Aliah University

Candidates must have studied Physics. Chemistry. Mathematics of at least 100 marks each in 10+2 level and have secured at least 50% overall in Physics. Chemistry and Mathematics and must have passed each subject individually and have to secured 60% aggregate in 10+2 level. However, all other rules of WBJEE will be followed at the time of admission against these seats.

3.3.7 JIS University

a) Bachelor of Technology (B. Tech):

(i) The candidate must have passed the Qualifying Examination, i.e., the 10+2 examination, with Physics and Mathematics along with any one of the following subjects: Chemistry / Biotechnology / Biology / Computer Science / Computer Application / Technical Vocational Subject, as compulsory subjects, securing individual pass marks (in both theory and practical wherever applicable) in all three subjects in regular class mode.

(ii) The candidate must have obtained at least 50% marks (45% in case of candidates belonging to reserved categories such as SC, ST, OBC-A, OBC-B, PwD) in the above three subjects taken together.

(iii) The candidate must have passed English in the 10+2 examination.

(iv) The candidate must have obtained at least 50% marks (45% in case of candidates belonging to reserved categories such as SC, ST, OBC-A, OBC-B, PwD) in aggregate in the 10+2 examination.

b) Bachelor of Pharmacy (B. Pharm):

(i) The candidate must have passed the 10+2 examination with Physics, Chemistry, and Mathematics / Biology as compulsory subjects, securing individual pass marks (in both theory and practical wherever applicable) in all three subjects in regular class mode.

(ii) The candidate must have obtained at least 60% marks (55% in case of candidates belonging to reserved categories such as SC, ST, OBC-A, OBC-B, PwD) in the above three subjects taken together.

(iii) The candidate must have passed English in the 10+2 examination.

(iv) The candidate must have obtained at least 60% marks (55% in case of candidates belonging to reserved categories such as SC, ST, OBC-A, OBC-B, PwD) in aggregate in the 10+2 examination.

(v) The Board of the qualifying examination must be recognised by the Central Government or the concerned State Government.

3.3.8 Techno India University, West Bengal

1. (a) B.Tech

i. Applicants must have successfully completed the '10+2' examination, achieving at least 45% marks in Physics, Chemistry, and Mathematics, OR 45% marks in Physics, Mathematics, and Computer Science, with individual pass marks in both theory and practical (where applicable) in all three subjects, through regular class mode.

ii. A minimum of 60% marks is required in both the '10' and '10+2' examinations from any recognised board.

1. (b) B.Tech (Lateral Entry)

i. Applicants must have passed both the '10' and Diploma examinations with at least 60% marks.

2. B.Arch

i. Applicants must have passed the '10+2' examination, meeting the required marks in Physics, Chemistry, and Mathematics as per the norms of the Council of Architecture (COA).

ii. A minimum of 60% marks is required in both the '10' and '10+2' examinations from any recognised board.

3. B.Pharm

i. Applicants must have passed the '10+2' examination, achieving at least 45% marks in Physics, Chemistry, and Mathematics, OR 45% marks in Physics, Mathematics, and Biology, with

individual pass marks in both theory and practical (where applicable) in all three subjects, through regular class mode.
ii. A minimum of 60% marks is required in both the '10' and '10+2' examinations from any recognised board.

4. B.Tech (Biotechnology)

i. Applicants must have successfully completed the '10+2' examination, achieving at least 45% marks in Physics, Chemistry, and Mathematics, OR 45% marks in Physics, Mathematics, and Biology, with individual pass marks in both theory and practical (where applicable) in all three subjects, through regular class mode.
ii. A minimum of 60% marks is required in both the '10' and '10+2' examinations from any recognised board.

3.3.9 Adamas University

School of Engineering & Technology:

1) **B.Tech Computer Science and Engineering**: Minimum 60% aggregate in 10 +2 or equivalent from any recognised board with PM + Chem/ Bio. Tech/ Biology/Technical Vocational /Computer Science/ Computer Application (with min 45% marks in respective subject).
2) **B.Tech Electrical Engineering**: Minimum 55% aggregate in 10 +2 or equivalent with PM + Chem/ BioTech/ Biology/Technical Vocational/Computer Science/ Computer Application (with min 45% marks).
3) **B.Tech Electronics and Communication Engineering**: Minimum 55% aggregate in 10 +2 or equivalent with PM + Chem/ BioTech/ Biology/Technical Vocational/Computer Science/ Computer Application (with min 45% marks).
4) **B.Tech Mechanical Engineering**: Minimum 55% aggregate in 10 +2 or equivalent with PM + Chem/ BioTech/ Biology/Technical Vocational/Computer Science/ Computer Application (with min 45% marks).
5) **B.Tech Civil Engineering**: Minimum 55% aggregate in 10 +2 or equivalent from any recognised board with PM + Chem/ Bio. Tech/ Biology/Technical Vocational (with min 45% marks in respective subject).
6) **B.Tech (Biotechnology**): Minimum 60% aggregate in 10 +2 or equivalent from any recognised board with PC + Mathematics/Bio.Tech /Biology / Technical Vocational with 45% in the respective subject.

School of Health & Medical Sciences (Pharmacy): B.Pharm

Minimum 60% aggregate in 10 +2 or equivalent from any recognised board conducted by the respective state/central government authorities recognised as equivalent to 10+2 examination by the Association of Indian Universities (AIU), with English as one of the subjects and Physics, Chemistry, Mathematics/Biology as optional subjects individually. Students have to secure a minimum of 60% marks in the qualifying examination. "However, the students possessing 10+2 qualification from non-formal and non-classroom-based schooling such as National Institute of Open Schooling, open school systems of States, etc., shall not be eligible for admission to B. Pharm Course." Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

3.3.10 Sister Nivedita University

a) For admission in **Bachelor of Technology (B.Tech)** in [Computer Science and Engineering; Computer Science and Engineering (Artificial Intelligence and Machine Learning); Computer Science and Engineering (Cyber Security); Computer Science and Engineering (Data Science); Computer Science and Engineering (Internet of Things); Electronics Engineering (VLSI Design and Technology); Computer Science and Applied Mathematics] the candidate must have Passed 10+2 examination or equivalent examination with Physics and Mathematics as compulsory subjects along with any subject out of Chemistry / Computer Science / Electronics / Information Technology / Biology / Informatics Practices / Biotechnology / Technical Vocational subject / Agriculture / Engineering Graphics / Business Studies / Entrepreneurship and Obtained at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together. (OR) Passed D.Voc. Stream in the same or allied sector.

For admission in **Bachelor of Architecture (B. Arch)** the candidate must have passed 10+2 or equivalent examination with Physics and Mathematics as compulsory subjects along with either Chemistry or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Engineering Graphics or Business Studies with at least 45% (40% for SC, ST, SEBC and EWS candidates) marks in aggregate (OR) passed 10+3 Diploma Examination with Mathematics as compulsory subject with at least 45% (40% for SC, ST, SEBC and EWS candidates) marks in aggregate." and have qualified an aptitude test in architecture conducted either by NTA (i.e. JEE) or "NATA" conducted by the Council of Architecture of corresponding academic year.

3.3.11 Neotia University

Sl no.	Course Nomenclature	Duration (Years)	% Marks (10+2)	Qualifying Criteria	No of Seats
1.	**B.Tech in CSE** with Specialization in **Artificial Intelligence and Robotics**	4	60%	Physics + Mathematics (mandatory) and Chem /CS/CA/ BioTech / Biology / Technical Vocational OR 3 years Diploma in Engineering	5
2.	**B.Tech in CSE** with Specialization in **Artificial Intelligence and Cyber Security**	4	60%	Physics + Mathematics (mandatory) and Chem / CS/CA/ BioTech / Biology / Technical Vocational OR 3 years Diploma in Engineering	5
3.	**B.Tech in CSE** with Specialization in **Artificial Intelligence and Data Science**	4	60%	Physics + Mathematics (mandatory) and Chem / CS / CA / BioTech / Biology / Technical Vocational OR 3 years Diploma in Engineering	5
4.	**B.Tech in CSE** with Specialization in **Artificial Intelligence and Machine Learning**	4	60%	Physics + Mathematics (mandatory) and Chem / CS / CA / BioTech / Biology / Technical Vocational OR 3 years Diploma in Engineering	20

3.4 Requirements in terms of Residential/Domicile Criteria

a) The candidate must be a domicile of Home State, i.e., West Bengal, for admission.

i. Any seat, including general category seats in any Government-aided Engineering/ Technology / Pharmacy Colleges.

ii. Any seat, including general category seats in B. Tech. (Dairy Technology) in West Bengal University of Animal & Fishery Sciences.

iii. 90% of the General category seats in Jadavpur University.

iv. Any reserved category seat (SC, ST, OBC-A, OBC-B, PwD, TFW, EWS) in any institute.

b) The State (West Bengal) residential/ domicile requirement is applicable for admission to Aliah University, as it is a State Government. University.

c) The candidate needs to download the required proforma as per the details given in section 3.4.1 and keep the certificate ready to be produced during counselling, admission, etc.

3.4.1 Criteria to be treated as domicile of West Bengal and applicable proforma of certificate

Only those candidates will be treated as domicile of West Bengal who are either,

a) residing in West Bengal continuously for at least 10 (ten) years as of 31.12.2025.

OR

b) whose parent(s) is/are a permanent resident(s) of West Bengal having a permanent address within the State of West Bengal.

In the case of (a) above, a certificate is to be obtained as per proforma 'A1' (Appendix 1) or proforma 'A2' (Appendix 2).

In case of (b) above, a certificate is to be obtained in proforma 'b' (Appendix – 3), or the candidate must produce in original any two of Voter ID card/ Aadhaar card/ Passport/ Ration card belonging to his/her parents. The said documents must justify that the residential address of the parent(s) is/are in West Bengal.

During counselling, etc., if SC/ST/OBC-A/OBC-B candidates domiciled in West Bengal cannot produce the required domicile certificate, they may instead produce their category certificates (issued by the Govt. of WB). But if the category certificate is found invalid during verification, their domicile status is also considered NON-West Bengal.

3.4.2 Competent authority to issue a domicile certificate

a) **Proforma 'A1' or 'b'** must be signed and certified by any of the following competent authorities from the Central Government or State Government *having local jurisdiction over the place of the permanent residence of the concerned candidate or his/her parent(s)* viz.

i. **District Magistrate**, Additional District Magistrate, Deputy Magistrate, Deputy Collector, Sub-divisional Officer, Block Development Officer.

ii. **Superintendent of Police**, Additional Superintendent of Police, Sub Divisional Police Officer, Deputy Superintendent of Police,

iii. **Commissioner**, Additional Commissioner, Joint Commissioner, Deputy Commissioner, Assistant Commissioner of Police, Commissionerate.

iv. **Judicial Magistrate** of any rank or position in the concerned district, Metropolitan locality, or Hon'ble High Court at Calcutta or Hon'ble Supreme Court of India.

v. **Corporation Area - Commissioner**, Additional Commissioner, Joint Commissioner, Assistant Commissioner.

vi. **Assistant Secretary** or above in the Secretariat to the Government of West Bengal (including GTA) or Central Government.

vii. **Deputy Director** or above in the Directorate to the Government of West Bengal or Central Government.

viii. **Collector of Kolkata** (Stamp and Revenue) located at 11, N.S. Road, Kolkata-700001 for the inhabitants under the jurisdiction of the Kolkata Police Area.

b) Officials issuing domicile certificates MUST provide their full name, designation, place of posting with address, and landline/mobile number. He/she should also provide his/her identity card number if available.

c) Domicile certificates issued by any elected people's representative, such as Municipal Commissioner, Councillor of Municipal Corporation/ Municipality, Member of a three-tier Panchayat system or GTA, MLA or MP, are **unacceptable**.

d) **Proforma 'A2'** must be signed and certified by the Head of the Institution from which the candidate has passed or will appear in the 10+2 examination. Such a certificate must be issued after verifying the candidate's school education record.

4.0 Seat matrix.

The seat matrix for the academic session 2026-27 will be declared by the office of the Director of Technical Education, Govt. of W.B., in due course of time and will be published on the Board's website before counselling.

In addition to the above, the seat matrix for last year, i.e., for the academic session 2025-26, will also be published on the Board's website before counselling.

Note that there may be other seats available in some institutes/courses that they do not offer through e-counselling and, hence, will not appear in the seat matrix.

5.0 Reservation of seats for students under the Reserved Category

The Government of West Bengal, in the Higher Education Department, vide Memorandum No. 339-Edn(CS) / OM -74L /2023, dt. 26-05-23 along with Memorandum No. 628-Edn(CS) / OM -74L /2023, dt. 18-09-23, have decided to provide the benefit of admission to Higher Education Institutions in West Bengal for the Economically Weaker Sections **(EWS)** in commensurate with the Constitution (103rd Amendment) Act, 2019, *read* with Office Memorandum No. 325-PAR(AR)/3P-1/2019 dated 09th July 2019 issued by the Personnel & Administrative Reforms Department, Govt. of West Bengal *read* with Memorandum No. 959-BCW/MR-52/2019 dated 18th May 2023 issued by Backward Classes Welfare Department, Govt. of West Bengal.

5.1 Reservation of Seats for SC/ST/OBC-A/OBC-B/PwD/TFW/EWS

a) Reservation of Seats will be available for SC/ST/OBC-A/OBC-B/PwD/TFW/EWS category of candidates as per applicable rules set by the competent authority, depending upon the type of institute as decided by the competent authority. The OBC-A/OBC-B candidates belonging to the Non-Creamy Layer (NCL) are only eligible for consideration as reserved candidates. OBC-A/OBC-B candidates must produce an **updated NCL certificate** during Counselling/ Admission.

b) Reservation policies will be according to the extant rules of Govt. of WB for admission in reserved seats for SC/ST As per The Kolkata Gazette Notification dated June 10, 2025-OBC-Category-A /OBC-Category-B as per Vide Notification No. 1056-BCW/MR-33/2025(Pt.1) dated the 27th May, 2025 & No.1057- BCW/MR 38/2025 Dated the27th May, 2025 & No.1107–BCW/MR-38/2025 dated the 3rd June, 2025, No.917-BCW/MR-33/2025 Dated the 8th May, 2025 and No.1106-BCW/MR- 33/2025 Dated the 3rd June, 2025/EWS/PWD. The number of category-wise reserved seats will be declared by the above Authorities before counselling.

c) The reservation in the OBC-A/ OBC-B category shall be subject to the result of SLP (C) No. 017751-017755 of 2024 arising from the judgment and order dated 22.05.2024 passed in WPO No. 60/2011 22.05.2024 in WPA No. 8844/2020 22.05.2024 in WPO No.1160/2013 22.05.2024 in WPO No. 578/2012 22.05.2024 in WPA No. 22145/2010 by the Hon'ble Calcutta High Court.

d) In case of admission in reserve seat for EWS, the Memorandum No. 325-PAR (AR)/3P-1/2019 dated 09th July 2019 issued by the Personnel & Administrative Reforms Department (Administrative Reforms Cell), Govt. of West Bengal read with Memorandum No. 959-BCW/MR-52/2019 dated 18th May 2023 issued by Backward Classes Welfare Department, Govt. of West Bengal, along with any extant order(s) as applicable at the time of admission.

e) Such reservation shall be restricted to candidates who are Indian citizens and domiciled in West Bengal. OCI candidates will be eligible for only Unreserved seats in the All India quota.

f) Candidates claiming reservation must submit relevant certificates issued by the competent Authorities.

g) Certificates are to be produced for verification at the **allotted Institute** during counselling, admission, etc. If, at that time, it is found that any information given by the candidate is/are incorrect/false or if the candidate is unable to produce a certificate/ document/ proof **valid as per the then applicable rules as on the date of its verification**, his/her information will be corrected/modified accordingly which may even make him/her ineligible for some/all seats/course(s). The candidate may be reconsidered in the next round of counselling (if any).

5.2 Competent Authorities for the issuance of SC/ST Certificate for WB domicile candidates claiming under such reserve category of seats

SC/ST Certificates are to be issued by any of the following authorities:

i. Sub-Divisional Officers for all districts except Kolkata

ii. District Welfare Officer, Kolkata & Ex-Officio Joint Director, B.C.W. Dept. in case of Kolkata Municipal Area [as defined in clause (9) of Section 2 of K.M.C Act, 1980].

5.3 Competent Authorities for the issuance of OBC-A (NCL*) / OBC-B (NCL*) Certificate for WB domicile candidates claiming under such reserve category of seats

As per Notification vide No. 374(71)-TW/EC/MR-103/94 dated 27/7/1994, read with Memorandum No. 1204-SBCW/MR-67/10 dated 27/7/2015 issued by Backwards Classes Welfare Department. Govt. of W.B., the following authorities may issue OBC-A (NCL) / OBC-B (NCL) certificates:

i. Sub-Divisional Officers for all districts except Kolkata

ii. District Welfare Officer, Kolkata & Ex-Officio Joint Director, B.C.W. Dept. in case of Kolkata Municipal Area [as defined in clause (9) of Section 2 of K.M.C Act, 1980].

***NCL-** Non-Creamy Layer

5.4 Competent Authorities for issuance of EWS Certificate for WB domicile candidates claiming under such reserved category of seats and others.

As per Office Memorandum No. 325-PAR(AR)/3P-1/2019 dated 09th July 2019 issued by the Personnel & Administrative Reforms Department (Administrative Reforms Cell), Govt. of West Bengal read with Memorandum No. 959-BCW/MR-52/2019 dated 18th May 2023 issued by Backward Classes Welfare Department, Govt. of West Bengal, EWS Certificates are to be issued by any of the following authorities:

a) District Magistrate/ Additional District Magistrate
b) Sub-Divisional Officers
c) District Welfare Officer, Kolkata and Ex officio JD, BCW & TD in respect of Kolkata covering the jurisdiction of the Kolkata Municipal Corporation.

N.B. For eligibility and other details, please refer to the Memoranda mentioned above.

5.5 Reservation of seats for PwD candidates

a) According to Section 2(r) of the RPwD Act, 2016, **"persons with benchmark disabilities"** means a **person with not less than forty per cent (40%) of a specified disability** where specified disability has not been defined in measurable terms and includes a person with disability where specified disability has been defined in measurable terms, as certified by the certifying authority.
b) Accordingly, reservations in PwD seats will be available for the following types of disabilities, the percentage of disability being not less than 40%.

i. Locomotor disability as specified in the Schedule of RPwD Act, 2016.
ii. Visual impairment as specified in the Schedule of RPwD Act, 2016.
iii. Hearing impairment as specified in the Schedule of RPwD Act, 2016.
iv. Speech & language disability as specified in the Schedule of RPwD Act, 2016
v. Intellectual disabilities as specified in the Schedule of RPwD Act, 2016
vi. Mental illness.
vii. Disabilities are caused due to chronic neurological conditions and blood disorders.
viii. Multiple disabilities, including deaf blindness.

c) The "specified disabilities" included in the RPwD Act Schedule are in APPENDIX-11.
d) PwD certificates are to be issued by any of the authorities as given in Order No. 289-HF/O/PHP/IR-05/2017 dated 29.08.2018 by the Government of West Bengal, Health & Family Welfare Department (PHP Branch).

5.6 Special facilities for PwD candidates for appearing in the examination

a) **Concessional application fees:** PwD candidates are eligible for a 40% concession on application fees. To avail the same, the candidate must formally apply in writing (enclosing a copy of his/her confirmation page and PwD certificate) to the Chairman, WBJEEB and send/submit the application to the Board office within the last date of online application.
b) **Compensatory time**: Twenty minutes per hour of compensatory time as per the duration of the examination (On a pro-rata basis) will be allowed to the PwD candidates with benchmark disabilities.
c) **Scribe/reader**: The facility of the Scribe/Reader will be allowed to a candidate with a benchmark disability who has writing limitations, including speed if so desired by him/her. (See Appendix – 5 and Appendix – 6)
d) To avail the facility of compensatory time and/or scribe/reader, the candidate must formally apply in writing (enclosing a copy of his/her confirmation page, PwD certificate, a certificate in the format as given in Appendix-5 and a letter of undertaking in the format as given in Appendix-6) to the Chairman, WBJEEB and send/apply to the Board office at least 60 days before the date of commencement of the examination. **Special arrangements will be made in the office of the Board in Kolkata for such candidates to sit for the examination. Such facilities are not available in other examination centres.**
e) The Board's decision, in this regard, will be final and binding on the candidate.

5.7 Reservation of Seats for admission of the wards of Defence Personnel (Defence Quota Seats)

As per the Govt. Order vide No. 406(T), dated 09.06.2016 of the Higher Education Department, Govt. of West Bengal; 13(thirteen) seats are available for admission of the wards of Defence Personnel through WBJEE-2026.

These seats are supernumerary, and separate allotment is done by the West Bengal Joint Entrance Examinations Board as per the following guidelines:

a) For consideration under Defence Quota, intending candidates will have to apply to the Rajya Sainik Board, Home Department, Government of West Bengal, Writers' Buildings, Kolkata – 700001 through the concerned Zila Sainik Board, W.B. (for ex-servicemen) and Units (for serving soldiers) in the prescribed form with an attested copy of WBJEE –2026 Admit Card.

b) Based on the recommendation of the said Rajya Sainik Board, a separate list shall be published by the WBJEEB for subsequent **offline** counselling and allotment of seats *on* a merit basis. Securing a General Merit Rank (GMR) in WBJEE-2026 is mandatory for this seat category.

c) Institution-wise and course-wise seats under the Defence Quota for the academic session 2025-26 are given in Appendix-12. The list for the academic session 2025-26 shall be published before counselling.

5.8 Seats for admission through JEE (Main) 2026

Seats are available for students listed in **JEE (Main) -2026, up to 10% of the approved seats in all Self-Financed Engineering and Technology Colleges in** West Bengal. The eligibility and other criteria stipulated in section 3 for admission to degree-level Engineering/Technology/Pharmacy/Architecture courses will also apply to JEE (Main) 2026 merit-listed candidates.

6.0 Tuition Fee Waiver (TFW) Scheme

6.1 Availability of seats under the Tuition Fee Waiver (TFW) Scheme

a) The Government of West Bengal has implemented the Tuition Fee Waiver Scheme (TFW) for meritorious and economically backward students.

b) The student must be domiciled in West Bengal, and his/her total annual Family Income from all sources must be less than **Rs. 2.50 lakhs** (Rupees two lakhs and fifty thousand only).

c) The waiver is limited to the Tuition Fee only. All other fees must be paid by the student.

6.2 Submission of Income Certificate in availing seat under the TFW Scheme

a) Candidates must produce the **Income Certificate** as per the proforma provided in **Appendix 4** of this Information Bulletin.

b) Candidates claiming such seats must submit relevant Certificates issued by the competent authorities as listed below.

i. An Officer in the rank of Assistant Secretary or above in the State or Central Govt.

ii. District Magistrate
iii. Additional District Magistrate
iv. Sub-Divisional Officer
v. Block Development Officer

Note: Income certificates issued by any elected people's representative, such as Municipal Commissioner, Councillors of Municipal Corporation/Municipality, Member of a three-tier Panchayat system or GTA, MLA or MP, are not acceptable.

7.0 Legal jurisdiction

a) All examination and counselling concerns are subject to the jurisdiction of Kolkata exclusively.

b) The Board will not participate in any upcoming disputes during the admissions process. WBJEEB shall supply candidates with information about their status in common admission tests and counselling, which they can independently seek.

c) However, WBJEEB cannot disclose information about other candidates.

8.0 Procedure for submission of application form and payment of examination fees etc.

8.1 Registration

a) The candidate will enter personal details such as name, father's name, mother's name, date of birth, gender, identification type and number, present and permanent address, mobile number, email ID, etc.
b) Candidates must be careful while entering their name, father's name, mother's name, date of birth, gender, and domicile. This information cannot be changed/edited/modified under any circumstances.
c) Then, the candidate has to create a password, review and submit the registration.
d) An application number will be generated and will appear on the screen. Also, an SMS/email will be sent to the registered mobile number./ Mail-id of the candidate(s).
e) Candidates must remember his/her application number and password. If the candidate forgets their password, they can recover it using the "Forgot Password" option. There is no other way to recover the password.
f) No person/agency can change/edit/input any information without knowing the password. Hence, candidates must not share their passwords with anybody. The Board will not be responsible for any changes resulting from sharing/ divulging the password.

8.2 Application

a) At this stage, the candidate needs to fill in various other information, such as domicile, category, PwD status, TFW status, income category, religion, nationality, academic details, etc.
b) After that, the candidate needs to choose zones of examinations in order of his/her choice and submit the application.

8.3 Uploading of images

a) The candidate is required to upload JPG/JPEG images of his/her recent colour photograph (10 to 200 KB) and signature (4 to 30 KB).
b) The photo and Signature of the candidate are to be uploaded in one go.

8.4 Payment of Examination Fees

Fee payable for WBJEE – 2026 (through Net Banking/ Debit Card/ Credit Card/ UPI/ QR Code) No service charges will be imposed by the authorised Banks		
Category of Candidates	**Gender**	**(Fees in ₹)**
General	Male	**500**
	Female	**400**
	Third Gender	**300**
SC/ST/ OBC-A /OBC-B/EWS/ PwD/ TFW	Male	**400**
	Female	**300**
	Third Gender	**200**

N.B.: The fee, once paid, is not refundable under any circumstances.

8.5 Confirmation Page

Upon completing all the above steps, the candidate shall be directed to download the 'Confirmation Page,' which means that the application is **complete**. APPLICATION IS **NOT COMPLETE** UNTIL THE CONFIRMATION PAGE IS GENERATED.

8.6 Correction of the application form

a) It is impossible to correct any primary registration data, i.e., **Name, Father's Name, Mother's Name, domicile, and Date of birth.**

b) If any candidate intends to correct any other information in his/her application, he/she can do so after logging in during the given **correction period. The Board will not entertain any request for a correction beyond the correction period. Also, the Board will not make any corrections on behalf of any candidate**.

9.0 Admit Card

a) Students can download and print admit cards on the notified date. Candidates must bring a printed admit card to the exam.

b) Candidates must avoid inadvertently mutilating or tarnishing admit cards. Mutilated, deformed, or filthy admit cards may disqualify candidates.

10.0 Allocation of Examination Centre

a) The examination centre will be assigned based on the candidate's choice zones. Under unavoidable situations, candidates may be assigned to a zone other than their choice. Board decisions on examination zone/centre allocation are final. Requests to change centres are not entertained. Appendix 10 lists district-wise exam zones.

b) Exam zones may be cancelled due to low enrolment or unforeseen issues. In such cases, the individual would be sent to another exam zone.

11.0 Evaluation and declaration of result

a) **Model Answer Keys** will be available, for a brief period, at the Board's website after the examination. Candidates can log in and view the model answer keys.

b) Candidates can also challenge any answer key, within the stipulated period, on payment of **₹500 (Rupees Five hundred only) per question** plus the bank's service charges, if any.

c) The Board will review the challenges and publish the Final and Frozen Answer Keys. **In**

this case, the Board's decision is final, and no further communication will be entertained.

d) Images of OMRs and machine-read responses will be available, for a brief period, on the Board's website, after the examination. Any candidate can view images of their OMR and machine-read responses by logging in with their password. Candidates should download their OMRs (within the stipulated period) and preserve copies. However, the duration of preservation of record (s)/ document (s)/ information (by the WBJEEB) has already been notified and is available on the Board's website.

e) Any candidate unsatisfied with the captured responses may challenge online, within the stipulated period, on payment of **₹500 (Rupees Five hundred only) per question** plus the bank's service charges, if any.

f) The Board will review the challenges and make the final decision. **The Board's decision on the challenges will be final, and no further communication will be entertained.**

g) Challenges by email, letter, fax, telephone, etc., other than through the prescribed online mode, will not be accepted or entertained.

h) The result will be published as a Rank Card containing all relevant ranks, total scores, and component scores in paper I (Mathematics) and paper II (Physics & Chemistry). Candidates can view and download their rank card, for a brief period, by logging in with their password. **The Board never publishes a rank list to ensure the confidentiality of each candidate**.

i) Rank cards with scores will be issued to all candidates appearing in WBJEE-2026. But not all may be awarded a rank and hence may not be eligible for counselling (as the Board will set a cutoff rank and/or a cutoff score).

j) If any candidate has any grievance about his/her score, he/she may raise a query through email to **info@wbjeeb.in** within 24 hours of the declaration of the result, attaching copies of OMRs, rank card, question booklet number and its series code, question wise calculation of the score. If the candidate wishes to make a physical representation, it is allowed until noon on the next working day after the result is published. The Board will not entertain any queries or grievances thereafter.

k) A candidate can calculate his/her score from his/her machine-read response and published final answer keys. However, if any candidate needs a calculation sheet from the Board, he/she will have to apply to the Board with a demand draft of Rs. 500/- in favour of 'West Bengal Joint Entrance Examinations Board' payable at Kolkata. But this facility will be available only for 60 days after the declaration of the result or until counselling is over, whichever is later.

12.0 General rules about documents

a) Candidates must present original confirmation pages, admission cards, rank cards, caste/category/domestic/income certificates, etc. It is advised to use the 'PRINT' link to print portal-generated documents. Photographs of the **screen, cell phone photos, etc., are not valid documents** and will not be accepted.

b) The confirmation page, admit card and rank card contain personal information provided by the candidate during the online application. As a result, the Board is not liable for any incorrect entry by the candidate.

c) At the time of counselling or admission, the assigned institution performs all verifications. Thus, candidates cannot assume that the Board approves their personal information on the confirmation page, admission card, rank card, etc.

d) The Board is unable to assist candidates with problems during admission or counselling, or if they make mistakes in giving personal information during online applications. Candidates

must take essential measures with the admissions institute.

e) The confirmation page cannot be downloaded after the examination is over. Rank card and OMR images cannot be downloaded after the counselling is over. **Candidates must preserve such documents safely**.

f) However, if a candidate requires a duplicate Rank Card, Admit Card, etc., the Board may provide it until the conclusion of counselling or 60 days after the result declaration period. The candidate must apply to the Board and pay a processing fee of Rs. 500/- for each document by bank draft to "West Bengal Joint Entrance Examinations Board" payable in Kolkata to acquire a duplicate copy.

13.0 Counselling/seat allotment and admission

a) A separate notification with details of counselling and admission will be published on the Board's website shortly after the publication of the result.

b) Course-wise and institute-wise availability of seats, as to be provided by the Competent Authorities, will be published before counselling and allotment.

APPENDIX

APPENDIX – 1

PROFORMA A1

Residential/Domicile Certificate for candidates residing in the State of West Bengal continuously for at least the last ten (10) years as on 31.12.2025.

Certified that _____the son/daughter of

_____is a resident/permanent resident of

West Bengal at Village/Town_____/House No. _____,

Street_____ _____Post Office _____,

Police Station _____ in the District of_____

under_____Assembly Constituency and has been living in the State of

West Bengal has been continuously, at least for the last ten (10) years, as on 31-12-2025.

Candidate's photograph Paste 4 cmx3 cm size recent colour photograph in this box. Photo must be attested by the certifying authority	
	Signature of the Candidate The candidate must sign here in front of the certifying authority
Signature of Certifying Authority:	
Full Name of Certifying Authority (Block letters):	
Designation with Official Seal:	
Office Address:	
Office Phone No.:	
Mobile No (optional):	
ID No (optional):	

N.B. *The photograph is to be attested by the certifying authority. The Certifying Authority should preserve a duplicate copy of this Certificate.*

APPENDIX - 2

PROFORMA A2

Residential/Domicile Certificate for candidates residing in the State of West Bengal continuously for at least the last ten (10) years as on 31.12.2025

Certified that _____the son/daughter of _____has passed the '10+2'Examination in the year_____ / will appear in the Final '10+2'Examination in 2026 from this Institution.

It is also certified that the student is a resident/permanent resident of West Bengal at the Village/Town _____/House No._____, Street_____ Post Office _____, Police Station _____ in the District of_____under_____Assembly Constituency and has been living in the State of West Bengal continuously / uninterruptedly at least for the last ten (10) years as on 31-12-2025.

Candidate's photograph Paste 4 cmx3 cm size recent colour photograph in this box. Photo must be attested by the certifying authority	Signature of the Candidate: The candidate must sign here in front of the certifying authority
Signature of Certifying Authority:	
Full Name of Certifying Authority (Block letters):	
Designation with Official Seal:	
Office Address:	
Office Phone No.:	
Mobile No (optional):	
ID No (optional):	

N.B. *The photograph is to be attested by the certifying authority. The Certifying Authority should preserve a duplicate copy of this Certificate.*

APPENDIX –3

PROFORMA B

Residential/Domicile Certificate for candidates not residing in the State of West Bengal but whose parent(s) are permanent residents of West Bengal, having their permanent home address within West Bengal

Certified that _____

Father/ mother of _____(the applicant)

is/ are a permanent Resident of West Bengal at Village/Town _____

House No. _____ Street _____ _____

Post Office_____ Police Station _____

in the District of _____under _____ Assembly Constituency

Paste a recent colour photograph of thecandidate (4 cm x 3 cm) in this box. The certifying Authority must attest to the photo.	Paste a recent colour photograph of the Father / Mother of the candidate (4 cm x 3 cm) in this box. The certifying Authority must attest to the photo.	Father's/ Mother's Signature Candidate's Signature. The candidate must sign here in front of the certifying Authority

Signature of Certifying Authority	
Full Name of Certifying Authority (Block Letter)	
Designation with Official Seal	
Office Address	
Office Phone No.	
Mobile No(optional):	
ID No. (optional):	

Note: *Photographs are to be attested by the certifying Authority. The Certifying Authority should preserve a duplicate copy of this Certificate.*

APPENDIX – 4
Proforma for Income Certificate

Certified that Total Annual Income From all sources of _____, guardian of _____ residing at _____ __ ___ Post Office _____ Police Station _____ in the district of _____ in the state of West Bengal for the financial year 2025-2026 is less than Rs. 2.50 lakhs (Rupees two lakhs and fifty thousand only) and stands at Rs. _____ (Rupees_____)

Paste a 4 cmx3 cm size recent colour photograph of the candidate in this box. The photo must be attested by the certifying authority.
(Candidate's Photograph)

Candidate's signature

The candidate must sign here in front of the certifying authority.

Signature of Certifying Authority: _____

Full Name of Certifying Authority (Block Letter)_____

Designation with Official Seal

Office Address:_____

Office Phone No. _____Mobile No(optional): _____

ID No: (optional):_____

Note: Photographs are to be attested by the certifying authority. The Certifying Authority may preserve a duplicate copy of this Certificate as a record.

APPENDIX -5

CERTIFICATE REGARDING PHYSICAL LIMITATION IN AN EXAMINEE TO WRITE

This is to certify that, I have examined Mr/Ms/Mrs _____(name of the candidate with disability), a person with _____ (nature and percentage of disability as mentioned in the certificate of disability), S/o/ D/o _____a resident of _____ _____

(Village/District/State) and to state that he/she has physical limitation which hampers his/her writing capabilities owing to his/her disability.

Signature
Chief Medical Officer/Medical Superintendent
of a Government health care institution

Name	
Designation:	
Name of Government Hospital/Health Care Centre	
Office Seal	
Office Address with Phone No.	
Place:	
Date:	

Note:
The certificate should be issued by a specialist in the relevant stream/disability (e.g., Visual impairment - Ophthalmologist, Locomotor disability - Orthopaedic specialist/PMR).

APPENDIX -6

Letter of Undertaking for Using Own Scribe

I, _____ a candidate with _____ (name of the disability) appearing for the _____ (name of the examination) bearing Application No._____.

I do hereby state that _____ (name of the scribe) will provide the service of scribe/reader for the undersigned for taking the aforesaid examination.

I do hereby undertake that his/her qualification is_____. In support of his/her maximum educational qualification, a certificate issued by the Head of the institution is attached herewith. If it is subsequently found that his/her qualification is not as declared by the undersigned and is beyond my qualification, I shall forfeit my right to the admission and claims relating thereto.

(Signature of the candidate)

Place:
Date:

APPENDIX-7

Diploma/Undergraduate Engineering Entry level qualification 10+2 level(Table 8.4)

Serial No.	Major Disciplines	Mandatory Courses at 10+2 Level	Other relevant Course(s) for this discipline
1.	Aeronautical Engineering	Phy, Chem, Maths	NA
2.	Agriculture Engineering**	Phy, Chem OR Agriculture stream	Maths/Biology/Biotechnology/Agriculture/ Agriculture stream
3.	Architecture	As per the Norms of the Council of Architecture (CoA)	
4.	Planning	Maths	For remaining two courses select any courses out of 14#
5.	Biotechnology**	Phy, Chem	Select any one from Bio/Biotechnology/Maths
6.	Ceramic Engineering	Phy, Chem, Maths	NA
7.	Civil Engineering	Phy, Chem, Maths	NA
8.	Computer Science and Engineering	Phy, Maths	For remaining single course select any courses out of 14#
9.	Chemical Engineering	Phy, Chem, Maths	NA
10.	Dairy Engineering	Phy, Chem, Maths	NA
11.	Electrical Engineering	Phy, Maths	For remaining single course select any courses out of 14#
12.	Energy Engineering	Phy, Chem, Maths	NA
13.	Electronics Engineering	Phy, Maths	For remaining single course select any courses out of 14#
14.	Mechanical Engineering	Phy, Chem, Maths	NA
15.	Fire and Safety Engineering	Phy, Chem, Maths	NA
16.	Food Engineering	Chem	For remaining two courses select any courses out of 14#
17.	Leather Technology	Chem	For remaining two courses select any courses out of 14#
18.	Marine Engineering	Phy, Chem, Maths	NA
19.	Metallurgy Engineering	Phy, Chem, Maths	NA
20.	Military Engineering	Phy, Chem, Maths	NA
21.	Mining Engineering	Phy, Chem, Maths	NA
22.	Nano Technology	Phy, Chem, Maths	NA
23.	Nuclear Science and Technology	Phy, Chem, Maths	NA
24.	Packaging Technology	Nil	Select any courses out of 14#
25.	Pharmaceutical Engineering**	Phy, Chem	Select anyone from Bio/Biotechnology/Maths
26.	Printing Engineering**	Phy, Chem	For remaining single course select any courses out of 14#
27.	Textile Engineering	Phy, Chem, Maths	NA
28.	Fashion Technology	Nil	Select any courses out of 14#
29.	Textile Chemistry	Chem	For remaining two courses select any courses out of 14#

** First one or two Semesters may be so designed that students with Biology/Biotechnology background have adequate courses on Maths and Vice Versa and then the class is at level studying field for the rest of the semesters. #Physics/ Mathematics / Chemistry/ Computer Science/Electronics/Information Technology/ Biology/ Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/ Entrepreneurship.

N.B.

i. Reproduced from AICTE Approval Process Handbook 2024-2027, page nos. 107-108

ii. (For Entry level qualification to specific courses, AICTE Approval Process Handbook 2024-2027 may be consulted)

APPENDIX-8

NOMENCLATURE

UNDERGRADUATE COURSES OF ENGINEERING AND TECHNOLOGY

(Ref. AICTE Approval Process Handbook 2024-27, Section-11.3, page Nos. 119-121)

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11.3 Under Graduate Courses in Engineering and Technology

Course Name
3-D Animation and Graphics
Additive Manufacturing
Advanced Mechatronics and industrial Automation
Aero Space Engineering
Aeronautical Engineering
Aerospace Engineering
Agricultural Engineering
Agricultural Technology
Agriculture Engineering
Aircraft Maintenance Engineering
Airline Management
Apparel and Production Management
Applied Electronics and Communications
Applied Electronics and instrumentation Engineering
Architectural Assistantship
Architecture and Interior Decoration
Artificial Intelligence (AI) and Data Science
Artificial Intelligence and Machine Learning
Automation and Robotics
Automation Engineering
Automobile Engineering
Automobile Maintenance Engineering
Automotive Technology
Biochemical Engineering
Bioelectronics Engineering
Bioinformatics
Biomedical and Robotic Engineering
Biomedical Engineering
Biomedical instrumentation
Biotechnology
Biotechnology and Biochemical Engineering
Building and Construction Technology
Carpet and Textile Technology
Cement and CeramicTechnology

Course Name
Ceramic Engineering and Technology
Ceramics Engineering
Ceramic Technology
Chemical and Biochemical Engineering
Chemical and Electro Chemical Engineering
Chemical Engineering
Chemical Engineering (Desalination and Water Treatment)
Chemical Engineering (Plastic and Polymer)
Chemical Technology
Civil and Environmental Engineering
Civil and infrastructure Engineering
Civil and Rural Engineering
Civil and Water Management Engineering
Civil Engineering
Civil Engineering (Construction Technology)
Civil Engineering (Environmental Engineering)
Civil Engineering and Planning
Civil Engineering Environment and Pollution Control
Civil Engineering with Computer Application
Civil Environmental Engineering
Civil Technology
Computer and Communication Engineering
Computer Engineering
Computer Engineering (Software Engineering)
Computer Engineering and Application
Computer Networking
Computer Science and Applied Mathematics
Computer Science and Biosciences

Course Name
Computer Science and Business Systems
Computer Science and Design*
Computer Science and Engineering
Computer Science and Engineering (Artificial Intelligence and Machine Learning)
Computer Science and Engineering (Artificial Intelligence)
Computer Science and Engineering (Cyber Security)
Computer Science and Engineering (Data Science)
Computer Science and Engineering (Internet of Things and Cyber Security Including Block Chain Technology)
Computer Science and Engineering (Internet of Things)
Computer Science and Engineering (Networks)
Computer Science and Engineering and Business Systems
Computer Science and information Technology
Computer Science and Medical Engineering
Computer Science and Social Sciences
Computer Science and Systems Engineering
Computer Science and Technology
Computer Technology
Computing in Multimedia
Computing in Software
Construction Automation
Construction Engineering
Construction Engineering and Management
Construction Technology
Construction Technology and Management
Cyber Physical Systems

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Course Name
Dairy Engineering
Dairy Technology
Digital Techniques For Design and Planning
Dyestuff Technology
Electrical and Computer Engineering
Electrical and Electronics (Power System)
Electrical and Electronics Engineering
Electrical and instrumentation Engineering
Electrical and Power Engineering
Electrical Engineering
Electrical Engineering (Electronics and Power)
Electrical instrumentation and Control Engineering
Electrical Power Engineering
Electrical, Electronics and Power Engineering
Electronic Engineering
Electronic Instrumentation and Control Engineering
Electronic Science and Engineering
Electronics and Biomedical Engineering
Electronics and Communication (Communication System Engineering)
Electronics and Communication Engineering (Advanced Communication Technology)
Electronics and Communication Engineering (VLSI Design & Technology)
Electronics and Communication Engineering
Electronics and Communication Engineering (Bio-Medical Engineering)
Electronics and Communication Engineering (Industry Integrated)
Electronics and Communication Engineering (Microwaves)
Electronics and Communication Technology
Electronics and Computer Engineering

Course Name
Electronics and Computer Science
Electronics and Control Systems
Electronics and Electrical Engineering
Electronics and Instrumentation Engineering
Electronics and Power Engineering
Electronics and Telecommunication
Electronics and Telecommunication Engineering
Electronics and Tele-Communication Engineering
Electronics and Telecommunication Engineering (Technologynician Electronic Radio)
Electronics and Telecommunications Engineering
Electronics and Telematics Engineering
Electronics Communication and Instrumentation Engineering
Electronics Design Technology
Electronics Engineering
Electronics Engineering (VLSI Design and Technology)
Electronics Instrument and Control
Electronics Instrumentation and Control Engineering
Electronics System Engineering
Electronics Technology
Energy and Environmental Management
Energy Engineering
Environment Engineering
Environmental Engineering
Environmental Science and Engineering
Environmental Science and Technology
Facilities and Services Planning
Fashion and Apparel Engineering
Fashion Technology
Fibres and Textiles Processing Technology
Fire and Life Safety

Course Name
Fire Engineering
Fire Technology and Safety
Fisheries Engineering
Food Engineering and Technology
Food Processing and Preservation
Food Processing Technology
Food Technology
Food Technology and Management
Footwear Technology
Geo informatics
Geospatial Technology and Geoinformatics
Handloom and Textile Technology
Industrial and Production Engineering
Industrial Biotechnology
Industrial Engineering
Industrial Engineering and Management
Industrial IoT
Industrial Production Engineering
Information and Communication Technology
Information Engineering
Information Science and Engineering
Information Science and Technology
Information Technology
Information Technology and Engineering
Instrumentation and Control Engineering
Instrumentation and Electronics
Instrumentation Engineering
Instrumentation Technology
Instrument Technology
Jute and Fibre Technology
Leather Technology
Logistics & Supply Chain Management
Man Made Fibre Technology
Man-Made Textile Technology
Manufacturing Engineering

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Course Name
Manufacturing Engineering and Technology
Manufacturing Process and Automation Engineering
Manufacturing Science and Engineering
Manufacturing Technology
Marine Engineering
Marine Technology
Material Science and Technology
Mechanical and Automation Engineering
Mechanical and Mechatronics Engineering (Additive Manufacturing)
Mechanical and Rail Engineering
Mechanical and Smart Manufacturing
Mechanical Engineering
Mechanical Engineering (Automobile)
Mechanical Engineering (Industry Integrated)
Mechanical Engineering (Manufacturing Engineering)
Mechanical Engineering (Production)
Mechanical Engineering (Welding Technology)
Mechanical Engineering Automobile
Mechanical Engineering Design
Mechatronics Engineering
Medical Electronics Engineering
Medical Lab Technology
Metallurgical and Materials Engineering
Metallurgical Engineering
Metallurgy
Metallurgy and Material Technology
Mine Engineering
Mining Engineering
Nano Science and Technology
Nano Technology
Naval Architecture and Ship Building Engineering
Nuclear Science and Technology
Oil and Paint Technology

Course Name
Oils, Oleochemicals and Surfactants Technology
Oil Technology
Optics and Optoelectronics
Packaging Technology
Paint Technology
Petrochem and Petroleum Refinery Engineering
Petrochem Engineering
Petrochemical Engineering
Petrochemical Technology
Petroleum Engineering
Petroleum Technology
Pharmaceutical Chemistry and Technology
Pharmaceutical Engineering
Pharmaceuticals and Fine Chemical Technology
Plastic and Polymer Engineering
Plastic Technology
Plastics Engineering
Polymer Engineering
Polymer Engineering and Technology
Polymer Science and Chemical Technology
Polymer Science and Technology
Polymer Technology
Poultry Technology
Power Electronics
Power Electronics and instrumentation Engineering
Power Electronics Engineering
Power Engineering
Precision Manufacturing
Printing and Packing Technology
Printing, Graphics and Packaging
Printing Technology
Production and industrial Engineering
Production Engineering
Pulp Technology
Radio Physics and Electronics
Robotics and Artificial Intelligence
Robotics and Automation
Rubber and Plastics Technology

Course Name
Rubber Technology
Safety and Fire Engineering
Shipbuilding Engineering
Silk Technology
Smart Agritech
Smart and Sustainable Energy
Software Engineering
Structural Engineering
Surface Coating Technology
Technical Textiles
Telecommunication Engineering
Textile Chemistry
Textile Engineering
Textile Plant Engineering
Textile Processing
Textile Technology
Tool Engineering
Climate Technology

COURTESY AICTE

APPENDIX-9
SYLLABUS FOR WBJEE-2026

Chapter No.	MATHEMATICS
1)	**Algebra:** A.P., G.P., H.P.: Definitions of A.P., G.P., and H.P.; General term; Summation of first n-terms of series Σn, Σn^2, Σn^3; Arithmetic/Geometric series, A.M., G.M. and their relation; Infinite G.P. series and its sum.
2)	**Logarithms:** Definition; General properties; Change of base.
3)	**Complex Numbers:** Definition in terms of ordered pair of real numbers and its representation in a plane; Argand plane and properties of complex numbers; Complex conjugate; Triangle inequality; Amplitude of complex numbers and its properties; Square root of complex numbers; Cube roots of unity and its applications; De Moivre's theorem (statement only) and its elementary applications; Solution of quadratic equation in the complex number system.
4)	**Polynomial Equation:** Polynomial equation with real coefficients, Fundamental theorem of Algebra; Quadratic equations with real coefficients; Relations between roots and coefficients; Nature of roots; Formation of a quadratic equation; Sign and magnitude of the quadratic expression $ax^2 + bx + c$ (where a, b, c are rational numbers and $a \neq 0$).
5)	**Permutation and Combination:** Permutation of n different things taken r at a time ($r \leq n$); The permutation of things which are not all different; Permutation with repetitions; Combinations of n different things taken r at a time ($r \leq n$); Combination of things not all different; Problems involving both permutations and combinations.
6)	**Principle of Mathematical Induction:** Statement of the principle, proof by induction for the sum of squares; The sum of cubes of first n natural numbers; Divisibility properties like $2^{2n} - 1$ is divisible by 3 ($n \geq 1$), 7 divides $3^{2n+1} + 2^{n+2}$ ($n \geq 1$), etc.
7)	**Binomial Theorem** (positive integral index)**:** Statement of the theorem; General term; Middle term; Equidistant terms and Properties of binomial coefficients and its applications.
8)	**Matrices:** Concepts of $m \times n$ ($m \leq 3$, $n \leq 3$) real matrices; Operations of addition, Scalar multiplication and Multiplication of matrices; Transpose of a matrix; Determinant of a square matrix; Properties of determinants; Minor, Cofactor and Adjoint of a matrix; Non-singular

	matrix; The inverse of a matrix; Solutions of system of linear equations (Not more than 3 variables); Application of Determinants in finding the area of triangle.
9)	**Sets, Relations and Mappings:** Concept of sets; Subsets, Power set, Complement, Union, Intersection, Difference and Symmetric difference of sets; Venn diagram; De Morgan's Laws; Inclusion / Exclusion formula for at most three sets; Cartesian product of sets.
10)	**Relation and its Properties:** Equivalence relation — definition and elementary examples; Mapping; Range and Domain; Injective, Surjective, and Bijective mappings; Composition of mappings; Inverse of a mapping.
11)	**Statistics and Probability:** Measure of dispersion; Mean; Variance and Standard deviation; Frequency distribution; Notion of probability; Addition and Multiplication rules of probability; Conditional probability and Bayes' Theorem; Independence of events; Repeated independent trials and Binomial distribution.
12)	**Trigonometry:** Trigonometric functions; Compound angles; Addition and Subtraction formulae; Formulae involving Multiple and Submultiple angles; General solution of trigonometric equations; Inverse trigonometric functions and their properties.
13)	**Coordinate Geometry of Two Dimensions:** **Coordinates:** Distance formula; Section formula; Area of a triangle; Condition of collinearity of three points in a plane; Polar coordinates; Transformation from Cartesian to polar coordinates and vice versa; Parallel transformation of axes; Concept of locus; Problems on Locus involving familiar geometrical configurations.
14)	**Straight Lines:** The slope of a straight line; Equation of straight lines in different forms; The angle between two straight lines; Condition of perpendicularity and parallelism of two straight lines; Distance of a point from a straight line; Distance between two parallel straight lines; Straight lines through the point of intersection of two straight lines; Equations of bisectors of angles between two straight lines.
15)	**Circle & Conic Sections:** Equation of a circle with a given centre and radius; Condition that a general equation of second degree in x, y may represent a circle; Equation of a circle in terms of endpoints of a diameter; Parametric equation of a circle; Equation of tangent, normal and chord of a Circle; The intersection of a straight line with a circle; Equation of common chord and common tangent of two intersecting circles; Definition of conic section; Directrix; Focus and Eccentricity; Classification based on eccentricity; Equation of Parabola, Ellipse and

	Hyperbola in standard form; Their foci, directrices, eccentricities and parametric equations.
16)	**Co-ordinate Geometry of Three Dimensions:** Direction cosines and Direction ratios; Distance between two points and Section formula; Equation of a straight line; Equation of a plane and Distance of a point from a plane and straight lines; Angle between two straight lines; Shortest distance between two skew lines.
17)	**Calculus:** **Differential Calculus:** Functions; Domain and Range of functions; Composition of two functions and Inverse of a function; Basic properties of functions; Limit; Continuity; Differentiability; Derivative; Chain rule and Derivative of functions in various forms; Concept of differential and its applications; Second order derivative.
18)	**Rolle's Theorem and Lagrange's Mean Value Theorem** (statement only). Their geometric interpretation and Elementary application; L'Hospital's rule (statement only) and applications.
19)	**Integral Calculus:** Integration as a reverse process of differentiation; Indefinite integral of standard functions; Integration by parts; Integration by substitution and Partial fraction; Definite integral as a limit of a sum with equal subdivisions; Fundamental theorem of integral calculus and its applications; Properties of definite integrals.
20)	**Differential Equations:** Formation of ordinary differential equations; Order and Degree of differential equations; Solution of homogeneous differential equations; Separation of variables method; Linear first order differential equations.
21)	**Application of Calculus:** Differential coefficient as a measure of rate; Determination of monotonicity of functions; Maxima and Minima of functions; Tangent and Normal; Conditions of tangency; Motion in a straight line with constant acceleration; Calculation of area bounded by elementary curves and Straight lines; The area of the region included between two elementary curves.
22)	**Vectors:** Addition of vectors; Scalar multiplication; Dot and Cross products; Scalar triple product; Geometrical interpretation of these products and their applications.

Chapter No.	PHYSICS
1)	**Physical World, Measurements, Units & dimensions**: Physical World, fundamental and derived units. Units & Dimensions of physical quantities, dimensional analysis & its applications. Need for measurement, units of measurement, accuracy and precision of measurements, error in measurement, rounding off and order of magnitude, significant figures and their application.
2)	**Motion in one dimension and two dimensions:** Inertial frame and non-inertial frame of reference, motion in a straight line, elementary differential and integral calculus for describing motion, position- time, velocity- time and relevant graphs. Uniformly accelerated motion and its associated graphical representations. Instantaneous velocity and relation for uniformly accelerated motion (graphical and calculus treatment).
3)	**Motion in a Plane** Scalars and vectors, representation of vectors in 3D, dot and cross product and their application, resolution of vectors, rectangular and non-rectangular. Relative velocity, Motion in a plane, cases of uniform velocity and uniform acceleration, uniformly accelerated motion (using graphical and calculus methods), projectile motion and inclined plane.
4)	**Laws of Motion** Force and inertia, Newton's laws of motion, impulse and impulsive force, Conservation of linear momentum with applications, Concept of free body diagram and its application, Equilibrium of concurrent force, Static and Kinetic friction, laws of friction, ideas of coefficient of friction, rolling friction. Dynamics of uniform circular motion, centripetal and centrifugal forces and their applications, banking of roads,
5)	**Work, power, energy:** Work, power, energy, work-energy theorem with constant and variable forces, work done by constant & variable forces, potential energy (PE) & kinetic energy (KE), conservation of mechanical energy, conservative and nonconservative forces, PE of a spring, motion in a vertical circle, elastic and inelastic collisions in one and two dimensions.
6)	**Motion of system of particles and rigid body:** Centre of mass of the two- particle system, motion of the connected system, torque, angular momentum, law of conservation of angular momentum and its

	application, equilibrium of rigid bodies, concept of moments of inertia with idea of radius of gyration, moments of inertia of simple geometric bodies [without derivation], parallel and perpendicular axis theorem and their applications.
7)	**Gravitation:** Universal law of gravitation, acceleration due to gravity (g), variation of g, Kepler's laws and applications, gravitational potential & PE, escape velocity, orbital velocity of satellites, time period of satellites, geostationary satellites.
8)	**Bulk properties of matter:** Elasticity, Hooke's law, Young's modulus, bulk modulus, idea of compressibility, shearing modulus, Poisson's ratio, elastic potential energy of stretched string and extended spring, Fluid pressure: Pressure due to a fluid column, buoyancy, Pascal's law, effect of gravity on fluid pressure. Surface tension: Surface energy, phenomena involving surface tension, excess pressure, application of surface tension for drops and bubbles, angle of contact, and capillary rise.
9)	**Viscosity:** Coefficient of viscosity, streamline & turbulent motion, Reynolds' number, Stokes' law, terminal velocity, Bernoulli's theorem and its applications.
10)	**Heat & Thermal Physics:** Heat & temperature, thermal expansion of solids. Liquids & gases, ideal gas laws, isothermal & adiabatic processes; anomalous expansion of water & its effects, sp. heat capacity, Calorimetry: change of state, specific latent heat capacity. Heat transfer: conduction, convection and radiation, conduction of heat through slabs in series and parallel combination and the idea of equivalent thermal conductance. Black body radiation, Kirchhoff's law, thermal conductivity, Newton's law of cooling, Wien's displacement law, Stefan's law and Boltzmann's correction.
11)	**Thermodynamics:** Thermal equilibrium (Zeroth law of thermodynamics), concept of heat, external work and internal energy. 1^{st} law of thermodynamics, C_P and C_V determination and relation between them, isothermal & adiabatic processes and relation equations, P-V diagrams, calculation of external works. 2^{nd} law of thermodynamics, reversible & irreversible processes, Carnot engine and its efficiency, efficiency of refrigerator (only qualitative idea).
12)	**Kinetic theory of gases:** Equation of state of a perfect gas, kinetic theory of gases, assumptions in Kinetic theory of gases, concept of

	pressure. & temperature; rms speed of gas molecules; degrees of freedom, law of equipartition of energy (introductory ideas) & application to specific heats of gases; mean free path, Avogadro's number.
13)	**Oscillations & Waves:** Periodic motion – time period, frequency, time-displacement equation, Simple harmonic motion (S.H.M) & its equation; phase; SHM in different systems, restoring force & force constant, energy in S.H.M.-KE & PE, determination of time period of simple pendulum, loaded spring, liquid-filled U-tubes, floating body in liquid, vertical SHM. Free, forced & damped oscillations (introductory ideas), resonance wave motion, equation for progressive wave, longitudinal & transverse waves, sound waves. Newton's formula & Laplace's correction, factors affecting the velocity of sound in air, principles of superposition of waves, reflection of waves, standing waves in strings & organ pipes, fundamental mode, harmonics &overtones, beats, Doppler effect of sound.
14)	**Electrostatics:** Conservation of electric charges, Coulomb's law force between two-point charges, forces between multiple charges; superposition principle & continuous charge distribution. Electric field: electric field due to a point charge, electric field lines. Electric dipole, electric field due to a dipole (at a point on its axis, at a point on its perpendicular bisector, at any point), and torque on a dipole in a uniform electric field. Electric flux, statement of Gauss's theorem and its application to find the field due to an infinitely long straight wire, a uniformly charged infinite plane sheet, and a uniformly charged thin spherical shell (field inside and outside). Electric potential, potential difference, relation between electric field intensity and potential, electric potential: due to a point charge, a dipole and a system of point charges, equipotential surface and its properties, electrical potential - energy of a system of two-point charges and of an electric dipole in an electrostatic field. Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarization. Capacitors and capacitance are a combination of capacitors in series and in parallel. Capacitance of parallel plate capacitors with or without a dielectric medium between the plates. Capacitances of solid and hollow spherical capacitors. Energy is stored in a capacitor. Examples of capacitors in our daily life (only qualitative ideas).

15)	**Current Electricity:** Electric current, the flow of electric charge in a metallic conductor. Drift velocity, mobility and their relation with electric current. Ohm's law, electrical resistance, resistivity and conductivity. V-I characteristics for ohmic resistance, temperature dependence of resistance. Series, parallel and mixed grouping of resistances. Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel and in mixed grouping. Parallel combination of two cells of unequal emfs, series combination of n cells of unequal emfs. Kirchhoff's law and simple applications. Wheatstone bridge principle, Meter Bridge principle (end error correction not required). Potentiometer: principle and its applications to measure the potential difference and for comparing emfs of two cells, and measurement of the internal resistance of a cell.
16)	**Magnetic effect of current and Magnetism:** Concept of magnetic field, Oersted's experiment, Biot - Savart law & its application to current carrying circular loop; Ampere's law & its applications to infinitely long straight wire, straight and toroidal solenoids; force on a moving charge in uniform magnetic & electric fields, cyclotron frequency; 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 a uniform magnetic field; moving coil galvanometer current sensitivity & conversion to ammeter & voltmeter, Inter-conversion of voltmeter & ammeter & change of their ranges. Current loop as a magnetic dipole & its magnetic dipole moment, magnetic dipole moment of a revolving electron, magnetic field intensity due to a magnetic dipole bar magnet along its axis & perpendicular to its axis, torque on a magnetic dipole (bar magnet) in a uniform magnetic field; magnet as an equivalent solenoid, magnetic field lines; Earth's magnetic field & its magnetic elements. Magnetic properties of a material: magnetic permeability, magnetic susceptibility, intensity of magnetisation, magnetic retentivity and coercivity. Hysteresis: B – H loop and its significance (only qualitative idea). Para-, dia- & ferromagnetic substances, with examples. Electromagnets & the factors affecting their strengths, permanent magnets.
17)	**Electromagnetic induction & alternating current:** Electromagnetic induction, concept of magnetic flux.

	Faraday's laws, induced emf and current, Lenz's law, and Eddy current. Concept of self and mutual inductance, self-inductance of a solenoid and mutual inductance of two coaxial solenoids (qualitative ideas). Alternating current, peak and RMS values of alternating current/voltage, reactance and impedance. Concept of phasor diagram: only resistive circuit, only inductive circuit, only capacitive circuit. LR circuit, CR circuit, and LCR series circuit, resonance LC oscillator (qualitative idea only). Power in an AC circuit, power factor in an AC circuit, wattless current. AC generator and transformer.
18)	**Electromagnetic waves:** Basic idea of displacement current. Electromagnetic waves and their characteristics (qualitative ideas only). Transverse nature of electromagnetic waves, electromagnetic spectrum, applications of the waves from the different parts of the spectrum, Basic idea of displacement current.
19)	**Optics I (Ray optics):** Reflection of light, spherical mirrors, mirror formula. Refraction of light, total internal reflection & its applications, optical fibres, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula. Newton's relation: Displacement method to find the position of images (conjugate points), Magnification, power of a lens, A combination of thin lenses in contact, a combination of a lens & a mirror. Refraction and dispersion of light through a prism; optical instruments, image formation & accommodation, correction of eye defects (myopia, hypermetropia) using lenses, microscopes & astronomical telescopes (reflecting & refracting) & their magnifying powers.
20)	**Optics II (Wave Optics):** Wave front and Huygens' principle, reflection and refraction of a plane wave at a plane surface using Huygens' principle. Interference: interference of monochromatic light by double slits – Young's experiment, conditions for sustained interference of light – coherent sources, conditions of maxima and minima in terms of path difference and phase difference, expression for the fringe width. Diffraction: Fraunhoffer's diffraction due to a single slit, width of the central maximum.

	Resolving power of microscope and astronomical telescope. Polarisation, plane polarised light. Brewster's law uses plane-polarised light and a polaroid. The scattering of the light-blue colour of the sky is an elementary example of the Raman effect. Particle nature of light & wave-particle dualism: Particle nature of light, Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation Matter waves; wave nature of particles, De Broglie relation and its simple applications.
21)	**Atomic Physics:** Alpha-particle scattering experiment, Rutherford's nuclear atom model of atom; Bohr model of hydrogen atom, energy levels in a hydrogen atom, hydrogen spectrum, continuous & characteristic X-rays, Moseley's law.
22)	**Nuclear Physics:** Composition & size of nucleus, atomic masses, isotopes, isobars; isotones, radioactivity - alpha, beta & gamma particles/ rays & their properties; radioactive decay law; mass-energy relation, mass defect; binding energy per nucleon & its variation with mass number; chain reaction, nuclear fission & fusion.
23)	**Solid state Electronics:** Band theory of solids (qualitative ideas only), classification of conductors, insulators & semiconductors in terms of band theory; Intrinsic and extrinsic semiconductors, Band Diagram.
24)	**Semiconductor diode:** P-N junction diode, I-V characteristics in forward & reverse bias, diode as a rectifier; basic construction and I-V characteristics of LED, photodiode, solar cell. Zener diode: I-V characteristics, Zener diode as a voltage regulator. Bipolar junction transistor (BJT), transistor action, characteristics of a BJT, BJT as an amplifier (CE configuration) & oscillator. Logic gates (OR, AND, NOT, NAND & NOR) and their simple combinations.

Chapter No.	CHEMISTRY
1)	**Some Basic Concepts of Chemistry** Laws of chemical combination. Concept of elements, atoms and molecules. Atomic and molecular masses. Mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry. Different concentration terms of solutions and related calculations.
2)	**Structure of an Atom** Bohr's model and its limitations, concept of shell and sub-shells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, Schrödinger wave equation (elementary idea only). Concept of orbitals, quantum numbers, shapes of *s, p* and *d* orbitals, rules for filling electrons in orbitals: Aufbau principle, Pauli's exclusion principle and Hund's rule, exchange energy, electronic configuration of an atom, stability of half-filled, completely filled orbitals.
3)	**Classification of Elements and Periodicity in Properties** Modern periodic law and the present form of the periodic table; periodic trends in the properties of elements – atomic radii, ionic radii, van der Waals' radii, ionization enthalpy, electron gain enthalpy, electronegativity, valency. Nomenclature of elements with atomic number greater than 100.
4)	**Chemical Bonding and Molecular Structure** Valence electrons, ionic bond, bond parameters, covalent bond, Lewis structure, formal charge, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization involving *s, p* and *d* orbitals and shapes of some simple molecules, intermolecular interactions (dipolar interactions, London dispersion forces, van der Waals' interactions), intra- and intermolecular hydrogen bonding, Molecular orbital theory of homonuclear diatomic molecules (H_2, He_2, O_2, N_2, F_2 – qualitative idea only)
5)	**States of Matter - Solids and Gases** Classification of solids (elementary idea): molecular, ionic, covalent and metallic solids, amorphous and crystalline solids (elementary idea), unit cell in two-dimensional and three-dimensional lattices, packing efficiency, calculation of density of unit cell, packing in solids, voids, number of atoms per unit cell in a cubic unit cell, point defects.

	Kinetic theory of gas, molecular speeds, Dalton's law of partial pressure, Graham's law, deviation from ideal behaviour and van der Waals' equation of state, Liquefaction of gases, critical parameters.
6)	**Chemical Thermodynamics** Concepts of system (including types of system), surroundings. Work, heat, energy, extensive and intensive properties, state function, Zeroth law of thermodynamics and definition of temperature. The first law of thermodynamics – internal energy change (ΔU) and enthalpy change (ΔH), Enthalpy of bond dissociation, combustion, formation, atomization, ionization, solution and sublimation. Transformation of state. Hess's law of constant heat summation, Born Haber Cycle and its application. 2nd law of thermodynamics, the introduction of entropy as a state function, Gibbs free energy change for spontaneous and non-spontaneous processes, criteria for equilibrium.
7)	**Equilibrium** Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting equilibrium – Le Chatelier's principle; ionic equilibrium, ionisation of acids and bases, strong and weak electrolytes, degree of ionisation of polybasic acids, acid strength, concept of pH, Henderson Equation. Hydrolysis of salts (elementary idea). Buffer solutions, buffer action, solubility product, common ion effect (with illustrative examples).
8)	**Solutions** Introduction, solubility of gases in liquids, solid solutions, vapour pressure and Raoult's law. Colligative properties: relative lowering of vapour pressure, elevation of boiling point, depression of freezing point, and osmotic pressure. Determination of molecular mass using colligative properties. Abnormal molecular mass, van't Hoff factor and calculations involving it. Colloidal solution, true solutions, colloids and suspensions.
9)	**Chemical Kinetics** Rate of a reaction (average and instantaneous), factors affecting the rate of reaction: concentration, temperature and catalyst. Order and molecularity of a reaction. rate law and specific rate constant, integrated rate equations and half-life (only for zero and first order reactions), Arrhenius equation, activation energy, the concept of collision theory (elementary idea, no mathematical treatment). Catalysis, homogeneous and heterogeneous catalysis, enzyme catalysis.
10)	**Redox Reactions**

	Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions in permanganometry and dichromatometry.
11)	**Electrochemistry** Conductance in electrolytic solutions, specific and molar conductivity, variation of conductivity with concentration, Kohlrausch's law, electrolysis and laws of electrolysis (elementary idea), dry cell – electrolytic cells and Galvanic cells, emf of a cell, standard electrode potential, Nernst equation and its application to chemical cells, relation between Gibbs free energy change and emf of a cell, fuel cells, Li-ion battery.
12)	**Organic Chemistry: Some Basic Principles** General introduction, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond: inductive effect, resonance and hyperconjugation. Homolytic and heterolytic fission of covalent bonds: free radicals, carbocations and carbanions, electrophiles and nucleophiles. Types of organic reactions: elementary idea of addition, elimination and substitution reactions.
13)	**Hydrocarbons: Classification of Hydrocarbons** Alkanes –Nomenclature, isomerism, conformations (ethane only), physical properties (up to 6 carbons) and chemical reactions including halogenations, free radical mechanism, combustion and pyrolysis. Alkenes – Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties (up to 3 carbons) and methods of preparation. Chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markovnikov's addition and peroxide effect), ozonolysis and oxidation. Mechanism of electrophilic addition. Alkynes – Nomenclature, structure of triple bond (ethyne), physical and chemical properties (up to 3 carbons) and preparation, Chemical reactions; addition of hydrogen, halogens, hydrogen halides and water. Aromatic hydrocarbons – Introduction, IUPAC nomenclature. Benzene; resonance, Hückel's rule and aromaticity, chemical properties, mechanism of electrophilic substitution – nitration, sulphonation, halogenations, Friedel-Crafts alkylation and acylation.

14)	**Haloalkanes and Haloarenes** **Haloalkanes:** Nomenclature, nature of C-X bond, physical and chemical properties, and mechanism of substitution reactions. Stability of carbocations. *R/S* and *D/L* configurations. Uses and environmental effects of dichloromethane, trichloromethane, tetrachloromethane, iodoform, and freons.
15)	**Haloarenes:** Nature of C-X bond, substitution reaction (directive influence of halogen for monosubstituted compounds only), stability of carbocations. Uses and environmental effects of DDT.
16)	**Alcohols, Phenols and Ethers** **Alcohols:** Nomenclature, methods of preparation, physical and chemical properties (primary alcohols only), identification of primary, secondary and tertiary alcohols, mechanism of dehydration, uses of methanol and ethanol.
17)	**Phenols:** Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenols, electrophilic substitution reaction, and uses of phenolic compounds.
18)	**Ethers:** Nomenclature, methods of preparation, physical and chemical properties, and uses.
19)	**Aldehydes, Ketones and Carboxylic Acids** **Aldehydes and Ketones:** Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties, mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes, and uses.
20)	**Carboxylic Acids:** Nomenclature, acidic nature, methods of preparation, physical and chemical properties, and uses.
21)	**Organic compounds containing Nitrogen**
22)	**Nitro compounds:** General methods of preparation and reduction reactions. **Amines:**

	Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines.
23)	**Cyanides and Isocyanides:** Nomenclature, structure, methods of preparation, and chemical reactions (hydrolysis and reduction reactions only).
24)	**Diazonium salts:** Preparations, chemical reactions and importance in synthetic organic chemistry.
	Biomolecules
25)	**Carbohydrates:** Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D/L configuration, oligosaccharides (sucrose), polysaccharides (starch, cellulose)
26)	**Proteins:** Elementary idea of α-amino acids, zwitterionic structures of amino acids, peptide bonds, polypeptides, structure of proteins (primary structure only), denaturation of proteins, and enzymes.
27)	**Nucleic Acids:** DNA & RNA (introduction and basic concept)
28)	**Polymers** Classification (natural and synthetic), methods of polymerisation (addition and condensation), and copolymerization. Some important polymers like polythene, nylon, polyesters, Bakelite, and rubber. Biodegradable and non- biodegradable polymers.
29)	***s*-Block Elements (Group 1 and Group 2 elements)** Electronic configuration, occurrence, trends in the variation of properties (such as ionization enthalpy, atomic and ionic radii), trends in chemical reactivity with oxygen, water, hydrogen and halogens, hydrides (ionic, covalent and interstitial), hydrogen peroxide (preparation, properties, structure & use), hydrogen as a fuel. Biological importance of Na, K, Mg, and Ca.
30)	***p*-Block Elements**

	General introduction to *p*-block elements, electronic configuration, occurrence, variation in properties, oxidation states, and trends in chemical reactivity.
31)	**Group 13**: Boron-physical and chemical properties of compounds of Boron, boron oxides, boric acid, borates, B_2H_6 and inorganic graphite. Aluminum: Reactions of Al with acid and alkali, uses of Al, preparation and uses of $LiAlH_4$ and Al_2O_3. **Group 14:** Carbon: Catenation, allotropic forms, nano carbon, graphene, physical and chemical properties of two oxides of carbon- CO and CO_2, Silicon: Some compounds of silicon and their important uses –silicon tetrachloride (structure, preparation, hydrolysis and reduction reaction only), silicates [structure of open chain silicates constructing of $(SiO_3)_n^{2n-}$ ions], use of zeolites. **Group 15 :** General introduction, electronic configuration, occurrence, oxidation states. Structure and reaction of NH_3, HNO_3, NCl_3, oxides of nitrogen (structures only). Phosphorus – allotropic forms (white and red), preparation and properties of phosphine, phosphorus halides (PCl_3 and PCl_5) and oxoacids (elementary idea only). **Group 16:** General introduction, electronic configuration, occurrence, oxidation states. Oxygen-classification of oxides. Preparation and properties of ozone. Sulphur-allotropic forms (rhombic and monoclinic). Properties and uses of oxides, oxoacids and peracids of Sulphur. **Group 17:** General introduction, electronic configuration, oxidation states, occurrence, trends in physical and chemical properties. Compounds of halogen- preparation, structure and uses of oxides, oxoacids of halogens, interhalogen compounds. Elementary idea of pseudohalogens and polyhalides. **Group 18:** General introduction, electronic configuration, occurrence, and uses of noble gases. Preparation, structure and chemical reactions of XeO_2, XeO_3, XeF_2, XeF_4, XeF_6, $XeOF_2$.
32)	***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 – ionic radii, ionisation enthalpy, oxidation states, colour, catalytic and magnetic properties. Preparation and properties of $K_2Cr_2O_7$ and $KMnO_4$.

33)	**Lanthanoids:** Electronic configuration, oxidation states, chemical reactivity, lanthanoid contraction and its consequences, uses.
34)	**Actinoids:** Electronic configuration, oxidation states, comparison with lanthanoids, uses.
35)	**Coordination Compounds** Introduction, ligands, classification of ligands based on denticity and field strength, coordination number, colour, and magnetic properties. IUPAC nomenclature of mononuclear coordination compounds, EAN rule, Bonding (Werner's theory, VBT and CFT), CFSE, structural-isomerism and stereo- isomerism, importance of coordination compounds (in qualitative analysis, extraction of metals and biological systems)
36)	**Environmental Chemistry** Environmental pollution – air, water and soil pollution (cause and effects), primary and secondary pollutants (solid and liquid), chemical reactions in the atmosphere, smog, pollution due to industrial wastes, solid waste management (elementary idea only), SPM, RSPM, green chemistry as an alternative tool for reducing pollution. Water preservation and protection. Strategy for control of environmental pollution.
37)	**Qualitative and Quantitative Analysis** Detection of special elements (N, S, halogens) in organic compounds by the Lassaigne test. Identification of the following functional groups present in organic compounds: primary aromatic amine, aldehyde, ketone, carboxylic acid and unsaturation. Calculations based on acid-based and redox titration (dichromatometry and pernanganometry). Detection of water-soluble non-interfering acid and basic radicals by dry and wet tests among the following: Acid radicals: Cl^-, S^{2-}, SO_4^{2-}, NO_2^-, NO_3^-, CO_3^{2-} Basic radicals: Cu^{2+}, Al^{3+}, Fe^{2+}, Fe^{3+}, Zn^{2+}, Ca^{2+}, Mg^{2+}, Na^+, NH_4^+

APPENDIX - 10

Rules of the Examination

1. Candidates are advised to reach the examination centres at least 30 minutes before the commencement of the test.

2. Be sure about the exact location of your examination centre and means of commuting to avoid inconvenience, if any, on the day of the examination.

3. No candidate will be allowed to sit for the test in any centre other than the one allotted to him/her and as is mentioned in the admit card.

4. Any candidate found to occupy a seat other than the one allotted to him/her will be **reported against** and his/her paper will be cancelled.

5. Carry the following documents to enter the examination centre:

i. A printed copy of the admit card.

ii. A copy of the colour photograph that was uploaded during the online application.

iii. Any photo identity card in original such as an Aadhaar card/ PAN card / Passport/voter card/ 10th standard admit card/ School – ID card.

6. Frisking may be carried out while entering the centre to check prohibited objects/articles.

7. Candidates are advised to take their seats at least 15 minutes before the commencement of the test.

8. No candidate will be allowed to enter the examination centre **beyond the scheduled time of commencement of the test for each half under any circumstances**.

9. Candidates are not allowed to carry any written or printed material, calculator, pen, log table, wristwatch, any communication device like mobile phones, any blue tooth device etc. inside the examination hall. Any candidate found with prohibited such items will be reported against and his/her candidature will be summarily cancelled.

10. Question booklets will be distributed well before the commencement of the test. Take out the OMR sheet and check that your OMR number and question booklet number are the same. If not, ask the invigilator to replace the whole set from the same series (e.g., A/B/C/D).

11. Put your signature on the top of the question booklet.

12. Read the instructions given on the OMR sheet and the cover page of the question booklet very carefully.

13. Write the question booklet number and roll number at the appropriate places on the OMR. Wrong entry of question booklet number and roll number may lead to rejection of the OMR or wrong scoring, for which the Board will not be held responsible. If any candidate makes any mistake, he/she must **not** overwrite. Request the invigilator to strike it out rewrite the correct numbers and put his/her (Invigilator) signature.

14. Darken the appropriate circle/bubbles of question booklet number, roll number and question booklet series (e.g., A/B/C/D).

15. Write your name in BLOCK LETTERS, the name of the centre and put your signature in appropriate places on the OMR. Do not put any stray marks anywhere else; it may lead to the rejection of OMR.

16. Check that your roll number, photograph, and spelling of your name in the attendance sheet match with those given in your admit card. If any correction is needed, bring it to the notice of the invigilator.

17. Question booklets can be opened only at the time of commencement of the test and as will be announced by the invigilator. Check all the pages of the question booklet. If there is any damage or missing page or any difficulties in reading the question booklet, ask your invigilator to replace the whole set from the same series (e.g., A/B/C/D).

18. Maintain silence during the test. Any conversation/gesticulation or creation of disturbances will be deemed as a misdemeanour. If any candidate is found adopting any unfair means, his/her candidature will be cancelled, and/or he/she will be debarred either permanently or for a period as is deemed fit by the Centre-in-Charge.

19. No discussion will be allowed with the invigilator regarding any question.

20. Candidates may do rough work in the space provided in the question booklet.

21. No candidate will leave his/her seat without the permission of the invigilator until the test isover.

22. No candidate will leave the hall till the end of the test and all OMRs are collected and tallied by the invigilator.

23. Candidates are allowed to take his/her question booklet after the test.

24. If any examinee is found impersonating, he/she will be **handed over to the police** and the candidature of the original candidate will be cancelled outright.

APPENDIX-11
Zone Code

Districts of W. B.	Zone	Zone code
Alipurduar	Alipurduar	**10**
Bankura	Bankura	**11**
Bankura	Bishnupur	**12**
Birbhum	Bolpur	**13**
Birbhum	Suri	**14**
Cooch Behar	Cooch Behar	**15**
Dakshin Dinajpur	Balurghat	**16**
Darjeeling	Kurseong	**17**
Darjeeling	Siliguri	**18**
Hooghly	Arambagh	**19**
Hooghly	Bandel/Chinsurah	**20**
Hooghly	Serampore	**21**
Howrah	Howrah Maidan/Shibpur	**22**
Howrah	Salkia/Bally/Uttarpara	**23**
Howrah	Santragachi/Domjur	**24**
Howrah	Uluberia	**25**
Jalpaiguri	Jalpaiguri	**26**
Jhargram	Jhargram	**27**
Kalimpong	Kalimpong	**28**
Kolkata	Central Kolkata Moulali/Beliaghata/Narkel Danga/Phool Bagan/Kakurgachi/Park Circus)	**29**
Kolkata	North Kolkata (Shyambazaar/ Bagh Bazar/Girish Park/Burra Bazar/ College Street/Sealdah)	**30**
Kolkata	Salt Lake/New Town (Salt Lake/Lake Town/New Town/Rajar Hat)	**31**
Kolkata	South Kolkata (Ballygaunge/Minto Park/ Bhowanipore/Tollygaunge/Jadavpur)	**32**
Kolkata	West Kolkata Joka/Behala/Alipore/Chetla/ Khidirpore/Budge Budge)	**33**
Malda	Malda	**34**
Murshidabad	Berhampur	**35**
Murshidabad	Jiaganj	**36**
Murshidabad	Raghunathganj	**37**
Nadia	Kalyani	**38**
Nadia	Krishnanagar	**39**
Nadia	Nabadwip	**40**
North 24 Parganas	Ashoknagar	**41**

North 24 Parganas	Barasat (Airport/Madhyamgram/Barasat)	**42**
North 24 Parganas	Barrackpur (Dum Dum Jn. To Barrackpur)	**43**
North 24 Parganas	Basirhat	**44**
Paschim Burdwan	Asansol	**45**
Paschim Burdwan	Durgapur	**46**
Paschim Medinipur	Garbeta	**47**
Paschim Medinipur	Kharagpur	**48**
Paschim Medinipur	Medinipur	**49**
Purba Burdwan	Burdwan	**50**
Purba Medinipur	Contai	**51**
Purba Medinipur	Haldia	**52**
Purba Medinipur	Tamluk	**53**
Purulia	Purulia	**54**
South 24 Parganas	Garia/Sonarpur/Baruipur	**55**
South 24 Parganas	Jainagar	**56**
Uttar Dinajpur	Raiganj	**57**
Other States		
Assam	Silchar	**58**
Tripura	**Agartala**	**59**

a) **Candidates from West Bengal, Assam and Tripura must select any three zones from the above list in order of their preference.**

b) Candidates from other states must select any three zones from the following.

Districts of W.B.	Zone
Howrah	**Salkia/Bally/Uttarpara**
Kolkata	**Salt Lake/New Town (Salt Lake/Lake Town/New Town/Rajar Hat)**
Kolkata	**South Kolkata (Ballygaunge/Minto Park/Bhowanipore/Tollygaunge/Jadavpur)**
Kolkata	**West Kolkata (Joka/Behala/Alipore/Chetla/Khidirpore/Budge Budge)**
Paschim Burdwan	**Asansol**
Paschim Burdwan	**Durgapur**
Paschim Medinipur	**Kharagpur**

APPENDIX-12

THE SCHEDULE

[See clause (zc) of section 2]

SPECIFIED DISABILITY

1. **Physical disability:—**

A. Locomotor disability (a person's inability to execute distinctive activities associated with movement of self and objects resulting from affliction of the musculoskeletal or nervous system or both), including—

(a) "**leprosy cured person**" means a person who has been cured of leprosy but is suffering from—

(i) loss of sensation in hands or feet as well as loss of sensation and paresis in the eye and eyelid but with no manifest deformity;

(ii) manifest deformity and paresis but have sufficient mobility in their hands and feet to enable them to engage in normal economic activity;

(iii) extreme physical deformity as well as advanced age which prevents him/her from undertaking any gainful occupation, and the expression "leprosy cured" shall construed accordingly;

(b) **"cerebral palsy"** means a Group of non-progressive neurological conditions affecting body movements and muscle coordination, caused by damage to one or more specific areas of the brain, usually occurring before, during or shortly after birth;

(c) **"dwarfism"** means a medical or genetic condition resulting in an adult height of 4 feet 10 inches (147 centimetres) or less;

(d) **"muscular dystrophy"** means a group of hereditary genetic muscle diseases that weakens the muscles that move the human body and persons with multiple dystrophy have incorrect and missing information in their genes, which prevents them from making the proteins they need for healthy muscles. It is characterised by progressive skeletal muscle weakness, defects in muscle proteins, and the death of muscle cells and tissue;

(e) **"acid attack victims"** means a person disfigured due to violent assaults by throwing acid or a similar corrosive substance.

B. **Visual impairment: —**

(a) **"blindness"** means a condition where a person has any of the following conditions, after the best correction—

(i) total absence of sight; or

(ii) visual acuity less than 3/60 or less than 10/200 (Snellen) in the better eye with the best possible correction; or

(iii) limitation of the field of vision subtending an angle of less than 10 degrees.

(b) **"low-vision"** means a condition where a person has any of the following conditions, namely:

(i) visual acuity not exceeding 6/18 or less than 20/60 up to 3/60 or up to 10/200 (Snellen) in the better eye with best possible corrections; **or**

(ii) limitation of the field of vision subtending an angle of less than 40 degrees up to 10 degrees.

C. Hearing impairment—

(a) **"deaf"** means persons having 70 DB hearing loss in speech frequencies in both ears;

(b) **"hard of hearing"** means a person having 60 DB to 70 DB hearing loss in speech frequencies in both ears;

D. **"speech and language disability"** means a permanent disability arising out of conditions such as laryngectomy or aphasia affecting one or more components of speech and language due to organic or neurological causes.

2. Intellectual disability, a condition characterised by significant limitations both in intellectual functioning (reasoning, learning, problem-solving) and in adaptive behaviour which covers a range of everyday, social and practical skills, including—
(a) **"specific learning disabilities"** means a heterogeneous group of conditions wherein there is a deficit in processing language, spoken or written, that may manifest itself as a difficulty to comprehend, speak, read, write, spell, or do mathematical calculations and includes such conditions as perceptual disabilities, dyslexia, dysgraphia, dyscalculia, dyspraxia and developmental aphasia;
(b) **"autism spectrum disorder"** means a neuro-developmental condition typically appearing in the first three years of life that significantly affects a person's ability to communicate, understand relationships and relate to others, and is frequently associated with unusual or stereotypical rituals or behaviours.

3. **Mental behaviour:- "Mental illness"** means a substantial disorder of thinking, mood, perception, orientation or memory that grossly impairs judgment, behaviour, capacity to recognise reality or ability to meet the ordinary demands of life, but does not include retardation which is a condition of arrested or incomplete development of mind of a person, especially characterised by sub-normality of intelligence.
4. **Disability caused due to:—**
(a) **chronic neurological conditions, such as** —
(i) **"Multiple sclerosis"** means an inflammatory, nervous system disease in which the myelin sheaths around the axons of nerve cells of the brain and spinal cord are damaged, leading to demyelination and affecting the ability of nerve cells in the brain and spinal cord to communicate with each other;
(ii) **"Parkinson's disease"** means a progressive disease of the nervous system marked by tremors, muscular rigidity, and slow, imprecise movement, chiefly affecting middle-aged and elderly people associated with degeneration of the basal ganglia of the brain and a deficiency of the neurotransmitter dopamine.
(b) Blood disorder—
(i) **"haemophilia"** means an inheritable disease, usually affecting only males but transmitted by women to their male children, characterised by loss or impairment of the normal clotting ability of blood so that a minor would result in fatal bleeding;
(ii) **"thalassemia"** means a group of inherited disorders characterised by reduced or absent amounts of haemoglobin.
(iii) **"sickle cell disease"** means a haemolytic disorder characterised by chronic anaemia, painful events, and various complications due to associated tissue and organ damage; "haemolytic" refers to the destruction of the cell membrane of red blood cells resulting in the release of haemoglobin.
5. **Multiple Disabilities** (more than one of the above-specified disabilities) including deaf-blindness which means a condition in which a person may have a combination of hearing and visual impairments causing severe communication, developmental, and educational problems.
6. **Any other category as may be notified by the Central Government.**

Appendix-13

Institution-wise and course-wise seats under the Defence Quota for the academic session 2025-26.

Sl. No.	Name of the Institution	Name of the available course(s)	No. of seats
1.	Jadavpur University	To be decided by the University Authority	2
2.	Jalpaiguri Government Engineering College, Jalpaiguri	Mechanical Engineering	1
		Information Tech.	1
3.	Kalyani Government Engineering College, Kalyani, Nadia	Electrical Engineering	1
4.	Ramkrishna Mahato Government Engineering College, Purulia	Comp. Sc. & Engineering	1
		Electronics & Communication Engineering	1
5.	Cooch Behar Government Engineering College, Cooch Behar	Comp. Sc. & Engineering	1
		Electronics & Communication Engineering	1
6.	Government College of Engineering and Leather Technology, Kolkata	Leather Technology	1
7.	Govt. College of Engineering & Ceramic Technology, Kolkata	Information Tech.	1
8.	Govt. College of Engineering & Textile Technology, Serampore	Information Tech.	1
9.	Govt. College of Engineering & Textile Technology, Berhampore	Comp. Sc. & Engg.	1

*** * The list for the academic session 2026-27 shall be published before counselling.**

Appendix-14

List of Recognized Boards/Councils-2026

Sl No	Board / Council
1	International General Certificate of Secondary Education
2	Aligarh Muslim University, Aligarh
3	Andhra Pradesh Open School Society
4	Assam Higher Secondary Education Council
5	Assam Sanskrit Board (Guwahati)
6	Banasthali Vidyapith
7	Bhutan Higher Secondary Education Certificate (BHSEC)
8	Bihar Board of Open Schooling and Examination, Patna, Bihar
9	Bihar Intermediate Education Council, Patna (BIEC)
10	Bihar Sanskrit Shiksha Board, Patna
11	Bihar School Examination Board, Patna
12	Bihar State Madrasa Education Board, Patna
13	Board of High School and Intermediate Education, Uttar Pradesh
14	Tamil Nadu Board of Higher Secondary Education
15	AndhraPradeshBoardofIntermediateEducation
16	Uttarakhand Board of School Education
17	HaryanaBoardofSchoolEducation
18	Board of Secondary Education, Odisha
19	Board of Secondary Education, Andhra Pradesh
20	Board of Secondary Education, Rajasthan, Ajmer
21	Board of Secondary Education, Assam, Bamunimaidan, Guwahati
22	Board of Secondary Education, Manipur, Imphal
23	CBSE I (CBSE International)
24	Central Board of Secondary Education, New Delhi
25	Chhattisgarh Sanskrit Board, Raipur
26	Chhattisgarh Board Of Open School Raipur
27	Chhattisgarh Board of Secondary Education, Raipur
28	Chhattisgarh Madrasa Board
29	Council for the Indian School Certificate Examination
30	Council of Higher Secondary Education, Manipur
31	Council of Higher Secondary Education, Odisha
32	Dayalbagh Educational Institute (Deemed University), Agra
33	Edexcel, London (Uk)
34	Goa Board of Secondary & Higher Secondary Education
35	Gujrat Secondary & Higher Secondary Education Board
36	Himachal Pradesh Board of School Education
37	International Baccalaureate
38	Jamia Milia Islamia, New Delhi
39	Jammu & Kashmir State Board of School Education
40	Jharkhand Academic Council, Ranchi
41	Karnataka Board of the Pre-University Education
42	J S S Karnataka Open School
43	Karnataka Secondary Education Examination Board
44	Higher Secondary Education Govt of Kerala, Thiruvananthapuram

45	Kerala Board of Public Examinations
46	Kerala State open School, Thiruvananthapuram
47	Madhya Pradesh Board of Secondary Education
48	Madhya Pradesh State Open School ,Bhopal
49	Maharashtra State Board of Secondary & Higher Secondary Education
50	Maharishi Patanjali Sanskrit Sansthan, Bhopal
51	Meghalaya Board of School Education
52	Mizoram Board of School Education
53	Nagaland Board of School Education
54	National Institute of Open Schooling, Noida (Not eligible for Pharmacy course)
55	Punjab School Education Board
56	Rajasthan State Open School, Jaipur
57	Rajiv Gandhi University of Knowledge Technologies, Hyderabad
58	Rastriya Sanskrit Sansthan
59	School Education Department, Govt of Tamil Nadu
60	Telangana Open School Society
61	Telengana Board of Intermediate Education
62	The Haryana Open School
63	The Jammu & Kashmir State Open School
64	The Kerala State Higher Education Council
65	The West Bengal Council of Rabindra Open Schooling
66	Tripura Board of Secondary Education
67	U. P. Board of Secondary Sanskrit Education Council
68	Uttar Pradesh State Open School Board
69	Uttranchal Siksha evam Pariksha Parisad
70	Vishwa Bharti University, Shanti Niketan, Birbhum, Wb
71	Vocational Higher Secondary Education Department, Govt of Kerala
72	West Bengal Board of Madrasa Education
73	West Bengal Council of Higher Secondary Education
74	West Bengal State Council of Vocational Education & Training
75	The Board of Open Schooling and Skill Education (BOSSE), Sikkim

N.B. *Candidates who passed the (10+2) Standard Examination from any Board/Council recognized/approved by the State Government/Ministry of Human Resource Development, Government of India other than the above listed boards/councils may apply for the WBJEE examination, and the concerned institution/university will decide their admission based on their exam rank. Candidates should check our website for updates.*