CHAPTER 3
EXAMINATION SCHEME

3.1 Mode of Examination

JEE (Main) - 2024 is being conducted in the following modes:

a) **Paper 1 (B.E. /B. Tech.)** in "Computer Based Test (CBT)" mode only.

b) **Paper 2A (B. Arch):** Mathematics (Part-I) and Aptitude Test (Part-II) in "Computer Based Test (CBT)" mode only and Drawing Test (Part-III) in pen and paper (offline) mode, to be attempted on drawing sheet of A4 size.

c) **Paper 2B (B. Planning):** Mathematics (Part-I), Aptitude Test (Part-II), and Planning-Based Questions (Part-III) in Computer-Based Test (CBT) mode only.

3.2 Choice of Medium of Question Papers

Medium of the Question Papers: Drawing from the National Education Policy (NEP), the JEE (Main) - 2024 is being conducted in English, Hindi, *Assamese, Bengali, Gujarati, Kannada, Malayalam, Marathi, Odia, Punjabi, Tamil, Telugu, and Urdu.*

S. No.	Language	Examination Centres
1.	**English**	All Examination Centres
2.	**English and Hindi**	All Examination Centres in India
3.	**English and Assamese**	Examination Centres in Assam
4.	**English and Bengali**	Examination Centres in West Bengal, Tripura, and Andaman & Nicobar Islands
5.	**English and Gujarati**	Examination Centres in Gujarat, Daman & Diu, Dadra & Nagar Haveli
6.	**English and Kannada**	Examination Centres in Karnataka
7.	**English and Malayalam**	Examination Centres in Kerala and Lakshadweep
8.	**English and Marathi**	Examination Centres in Maharashtra
9.	**English and Odia**	Examination Centres in Odisha
10.	**English and Punjabi**	Examination Centres in Punjab, Chandigarh, and Delhi/New Delhi (including Faridabad, Ghaziabad, Gurugram, Meerut, Noida/Greater Noida)
11.	**English and Tamil**	Examination Centres in Tamil Nadu, Puducherry, and Andaman & Nicobar Islands
12.	**English and Telugu**	Examination Centres in Andhra Pradesh and Telangana
13.	**English and Urdu**	All Examination Centres in India

The option of language for Question Paper should be exercised carefully while filling up the Application Form online and it cannot be changed at a later stage.

Please note that for the correctness of the questions in all the question papers, the English version will be taken as final.
Candidates while attempting the QP must choose the same medium as opted while registering in the Application form.

3.3 Scheme of Examination

Subject combinations for each paper, type of questions in each paper, and mode of examination are given in the table below:

PAPER	SUBJECTS	TYPE OF QUESTIONS	MODE OF EXAMINATION
Paper 1: **B.E./B.Tech.**	**Mathematics, Physics and Chemistry**	Objective Type - Multiple Choice Questions (MCQs) and Questions for which the answer is a numerical value, with equal weightage to Mathematics, Physics, and Chemistry	"Computer Based Test (CBT)" mode only
Paper 2A: **B. Arch**	**Part-I:** **Mathematics**	Objective Type - Multiple Choice Questions (MCQs) and Questions for which the answer is a numerical value	"Computer Based Test (CBT)" mode only
	Part-II: **Aptitude Test**	Objective Type - Multiple Choice Questions (MCQs)	
	Part-III: Drawing Test	Questions to test drawing aptitude	"Pen and Paper Based" (offline) mode to be attempted on a Drawing sheet of **A4 size**.
Paper 2B: **B. Planning**	**Part-I:** **Mathematics**	Objective Type - Multiple Choice Questions (MCQs) and Questions for which the answer is a numerical value	"Computer Based Test (CBT)" mode only
	Part-II: **Aptitude Test**	Objective Type - Multiple Choice Questions (MCQs)	
	Part-III: **Planning-Based Questions**	Objective Type - Multiple Choice Questions (MCQs)	

3.4 Pattern of Examination

Paper1: B.E./ B. Tech. in Computer Based Test (CBT) mode:					
1.	**Subject-wise distribution of Questions, Total Number of Questions, and Marks**	**Subject**	**Section A**	**Section B**	**Marks**
		Mathematics	20*	10*	100
		Physics	20*	10*	100
		Chemistry	20*	10*	100
		Total		90	300

	Each Subject will have two sections. Section A will be of Multiple-Choice Questions (MCQs) and Section B will contain Questions whose answers are to be filled in as a numerical value. In Section B, candidates have to attempt any 05 (five) questions out of 10. There will be negative marking for both Section A and Section B. For each question in Section B, a candidate has to enter the correct integer value of the answer using the mouse and the on-screen virtual numeric keypad in the place designated to enter the answer. For Section B, the answer should be rounded off to the nearest integer.		
2.	**Marking Scheme for MCQs**	Correct Answer or the Most Appropriate Answer	Four marks (+4)
		Incorrect Answer	Minus one mark (-1)
		Unanswered / Marked for Review	No mark (0)
3.	**Marking Scheme for questions for which the answer is a Numerical value**	Correct Answer	Four marks (+4)
		Incorrect Answer	Minus one mark (-1)
		Unanswered / Marked for Review	No mark (0)
4.	**Method of determining merit**	Conversion of the raw score in Mathematics, Physics, and Chemistry, and the conversion of the total into NTA scores. **Overall merit shall be prepared by merging NTA scores of all shifts of all days.**	
5.	**Method of resolving ties**	Tie between candidates obtaining equal Total NTA scores in Paper 1: B.E./B.Tech will be resolved in the following manner in descending order: 1. NTA score in Mathematics, followed by 2. NTA score in Physics, followed by 3. NTA score in Chemistry, followed by 4. Candidate with less proportion of a number of attempted incorrect answers and correct answers in all the subjects in the Test, followed by 5. Candidate with less proportion of a number of attempted incorrect answers and correct answers in Mathematics in the Test, followed by 6. Candidate with less proportion of a number of attempted incorrect answers and correct answers in Physics in the Test, followed by 7. Candidate with less proportion of a number of attempted incorrect answers and correct answers in Chemistry in the Test followed by 8. Older in Age followed by 9. Application Number in ascending order	

Paper 2A (B. Arch): Mathematics (Part-I) and Aptitude Test (Part-II) in Computer Based Test (CBT) mode only and Drawing Test (Part-III) in Pen and Paper Based (offline) mode, to be attempted on a drawing sheet of A4 size.

		Subject	Number of Questions	Marks
1.	**Subject-wise distribution of Questions, Total**	Part I: Mathematics	20* (Section **A**) and 10* (Section **B**)	100

Number of Questions, and Marks	Part II: Aptitude Test	50	200
	Part III: Drawing Test	02	100
	Total	82	400

20 questions will be MCQs and 05 (five) questions will have answers to be filled as a numerical value. **There will be negative marking for both Section A and Section B. For each question in Section B, a candidate has to **enter the correct integer value** of the answer using the mouse and the on-screen virtual numeric keypad in the place designated to enter the answer. **The answer should be rounded off to the nearest integer.***

2.	**Marking Scheme for MCQs**	Correct Answer or the most appropriate Answer	Four marks (+4)
		Incorrect Answer/Multiple Answer	Minus one mark (-1)
		Unanswered /Marked for Review	No mark (0)
3.	**(a) Marking Scheme for questions for which the answer is a Numerical value**	Correct Answer or the most appropriate Answer	Four marks (+4)
		Incorrect Answer	Minus one mark (-1)
		Unanswered / Marked for Review	No mark (0)
	(b) Marking Scheme for Drawing Test (Part III)	Two questions are to be evaluated out of **100** marks.	
4.	**Method of determining merit**	Conversion of the raw score in Mathematics, Aptitude Test, Drawing Test, and Total into NTA Scores. Overall merit shall be prepared by merging the NTA Scores of both shifts of all days.	
5.	**Method of resolving ties**	The tie between candidates obtaining equal Total NTA scores in Paper 2A: B. Arch will be resolved in the following manner: 1. NTA score in Mathematics, followed by 2. NTA score in Aptitude Test, followed by 3. NTA score in Drawing Test, followed by 4. Candidate with less proportion of a number of attempted incorrect answers and correct answers in all the subjects in the Test, followed by 5. Candidate with less proportion of a number of attempted incorrect answers and correct answers in Mathematics (Part-I) in the Test, followed by 6. Candidate with less proportion of a number of attempted incorrect answers and correct answers in Aptitude Test (Part-II) in the Test followed by 7. Older in Age followed by 8. Application Number in ascending order	

Paper 2B (B. Planning) Part-I: Mathematics, Part-II: Aptitude Test, and Part-III: Planning-Based Questions in Computer-Based Test (CBT) mode only

		Subject	Number of Questions	Marks
1.	**Subject-wise distribution of Questions, Total**			
		Part-I: Mathematics	20* (Section **A**) and 10* (Section **B**)	100

	Number of Questions, and Marks	Part-II: Aptitude Test	50	200
		Part-III: Planning	25	100
		Total	105	400

20 questions will be MCQs and 05 (five) questions will have answers to be filled as a numerical value. **There will be negative marking for both Section A and Section B. For each question in Section B, **enter the correct integer value** of the answer using the mouse and the on-screen virtual numeric keypad in the place designated to enter the answer. **The answer should be rounded off to the nearest integer.***

2.	**Marking Scheme for MCQs**	Correct Answer or the most appropriate Answer	Four marks (+4)
		Incorrect Answer/Multiple Answer	Minus one mark (-1)
		Unanswered /Marked for Review	No mark (0)
3.	**Marking Scheme for questions for which the answer is a Numerical value**	Correct Answer or the most appropriate Answer	Four marks (+4)
		Incorrect Answer	Minus one mark (-1)
		Unanswered / Marked for Review	No mark (0)
4.	**Method of determining merit**	Conversion of the raw score in Mathematics, Aptitude Test, Planning Based Test, and Total into NTA Scores. **Overall merit shall be prepared by merging NTA Scores of all shifts of all days.**	
5.	**Method of resolving ties**	Tie between candidates obtaining equal Total NTA scores in B. Planning will be resolved in the following manner: 1. NTA score in Mathematics, followed by 2. NTA score in Aptitude Test, followed by 3. NTA score in Planning Based Questions, followed by 4. Candidate with less proportion of a number of attempted incorrect answers and correct answers in all the subjects in the Test, followed by 5. Candidate with less proportion of a number of attempted incorrect answers and correct answers in Mathematics (Part-I) in the Test, followed by 6. Candidate with less proportion of a number of attempted incorrect answers and correct answers in Aptitude Test (Part-II) in the Test, followed by 7. Candidate with less proportion of a number of attempted incorrect answers and correct answers in Planning Based Questions (Part-III) in the Test followed by 8. Older in Age followed by 9. Application Number in ascending order	

Important Note:

(a) **For Multiple Choice Questions:** To answer a question, the candidates need to choose one option corresponding to the correct answer or the most appropriate answer. However, if any anomaly or discrepancy is found after the process of challenges of the key verification, it shall be addressed in the following manner:

(i)   Correct answer or the most appropriate answer: Four marks (+4)

(ii)   Any incorrect option marked will be given minus one mark (-1).

(iii) Unanswered/Marked for Review will be given no mark (0).

(iv)   If more than one option is found to be correct then Four marks (+4) will be awarded to only those who have marked any of the correct options.

(v)   If all options are found to be correct then Four marks (+4) will be awarded to all those who have attempted the question.

(vi)   If none of the options is found correct or a Question is found to be wrong or a **Question is dropped then full marks will be awarded to all candidates who have appeared irrespective of the fact whether the question has been attempted or not attempted by the candidate.**

(b) For Numerical Value Questions:

There will be negative marking for Section B. However, if any anomaly or discrepancy is found after the process of challenges of the key verification, it shall be addressed in the following manner:

i.   Correct Answer: Four marks (+4)

ii. Incorrect Answer: Minus one mark (-1)

iii. Unanswered/Marked for Review: No mark (0).

iv. If a question is found to be incorrect or **the Question is dropped then Four marks (+4) will be awarded to all those who have attempted the question**. The reason could be due to human error or technical error.

v.   Candidates are advised to do the calculations with the constants given (if any) in the questions. The answer should be rounded off to the nearest integer.

3.5 Duration of Test

The total time duration for Paper 1 (B.E. /B.Tech.) is given in the table below:

Paper	Subjects	Total Time Duration	
		For Non-PwD Candidates	***For PwD Candidates**
Paper 1 (B.E./B.Tech.)	Physics, Chemistry, and Mathematics	03 hours	04 hours
***Note: - Compensatory time for PwD Candidates of 20 minutes for a one-hour examination**			

Total time duration for Paper 2A (B. Arch), Paper 2B (B.Planning), and Paper 2A (B. Arch) & Paper 2B (B.Planning) both are given in the table below:

Paper	Subjects	Total Time Duration	
		For Non-PwD Candidates	***For PwD Candidates**
Paper 2A (B.Arch) Only	Mathematics, Aptitude Test, and Drawing Test	**03 hours**	**04 hours**
Paper 2B (B.Planning) Only	Mathematics, Aptitude Test, and Planning Based Questions	**03 hours**	**04 hours**
Paper 2A (B.Arch) and Paper 2B (B.Planning) both	Mathematics, Aptitude Test, Drawing Test, and Planning Based Questions	**03 hours 30 minutes**	**04 hours 10 minutes**
***Note: -** Compensatory time for **PwD** Candidates is 20 minutes for **one-hour** examination*			

3.6 Syllabus of Examination

The details of the syllabus are given on the website: **https://jeemain.nta.ac.in/**

Moreover, to cater to the decision of different Boards across the country regarding the reduction in the syllabus, the NTA has decided to provide a choice in one Section of each Subject of Paper 1 and Part I of Paper 2A and 2B. However, the total number of questions to be attempted will remain the same (Physics -25, Chemistry – 25, and Mathematics – 25), wherever applicable.

(Refer to Appendix-VI for details).