2022

Online Training program
JEE (Paper II) & NATA Entrance Exam

Offered by-

College of Engineering, Pune

(An Autonomous Institute of Government of Maharashtra)

Address- Wellesely Road, Shivajinagar, Pune, Maharashtra 41100

Website- https://www.coep.org.in

About Course:

College of Engineering Pune is offering Online training course on JEE (paper II) and NATA 2022 entrance Exam. The Course is specially designed by combining curriculum of JEE (paper II) and NATA 2022 entrance Exam.

About JEE (Paper II)-

JEE Main Paper II is a widely known exam among B.Arch. (Paper II- A) and B. Plan (Paper II- B) Aspirants. It is conducted by National Testing Agency (NTA) under Ministry of Education, Government of India.The Entrance Exam helps to seek admission in popular Centrally funded technical institutes (CFTIs), National Institute of Technology (NITs), Indian Institute of Technology (IITs).

About NATA-

National Aptitude Test in Architecture (NATA) is being conducted by Council of Architecture (CoA). NATA is a national level examination for taking admission in undergraduate courses in architecture.

The Combined Course offered will make students ready for appearing both the National level examinations.

Course Objective:

- To make the student ready for both JEE (paper II) and NATA 2022 entrance Exam.
- To prepare student for appearing online exam based on new Curriculum.
- To take Mock Test on each course content for making student exam ready.

Who Can Participate?

- The Students passing 10+2 are eligible for the entrance exam.
- The Students appearing for Architecture, Urban Planning, Urban Design courses in esteemed colleges.

Course Curriculum

Sr.No.	Topics		Teaching Hours
	Part A (Hands-on exercise)	**Part B (Based on Aptitude)**	
A	**Drawing Test**		**20 Hours**
1	Geometric Composition and Shape	Test- Object Interpretation of Pictorial compositions	2
2	Understanding Scale and Proportion of Objects, Building forms and Colour Texture, Harmony, Element, Aesthetics and Contrast	**Logical Reasoning** – Tests ability to recognise patterns, sequences or relationships between shapes and imagery.	2
3	Conceptualization and Visualization through Structuring Objects in Memory	**Test - Situational Judgment** – Tests problem-solving ability.	2
4	Sketching of scenes and activities from memory of urbanscape	**Test - Situational Judgment** – Tests problem-solving ability.	2
5	Drawing of Patterns – Both Geometrical and Abstract	Test - Object Interpretation of Pictorial compositions	2
6	Form Transformation in 2D and 3D like union, Subtraction, Rotation, Surface and Volumes	**Test- Visualizing** 3-dimensional objects from 2-dimensional drawing	2
7	Creation of 2D and 3D compositions using shape and forms	**Test- Visualizing** different sides of 3D objects	2
8	Generating Plan, and 3D views, the elevation of objects	**Test- Visualizing** different sides of 3D objects	2
9	Perspective Drawing	**Test- Visualizing** 3-dimensional objects from 2-dimensional drawing	2
10	Common day to day life objects such as equipment, furniture, etc. from memory	**Test Situational Judgment** – Tests problem-solving ability.	2
B	**Mathematics Test**		**17 Hours**
1	Permutation and Combination	**Test on Numerical Reasoning** – mathematical ability through simple problems	1
2	Logarithms		1
3	Matrices		1
4	Coordinate Geometry		1
5	3 Dimensional Coordinate Geometry		1

6	Theory of Calculus	**Test on Numerical Reasoning** – mathematical ability through simple problems	1
7	Algebra		1
8	Application of Calculus		1
9	Statistics and Probability		1
10	Sets, Relations and Functions		1
11	Complex Numbers and Quadratic Equations		1
12	Mathematical Inductions		1
13	Binomial Theorem and Its Simple Applications		1
14	Sequence And Series		1
15	Limit, Continuity and Differentiability		1
16	Differential Equations		1
17	Vector Algebra		1
C	**General Aptitude Test**		**6 Hours**
1	Texture related to architecture and built environment	**Diagrammatic Reasoning** – Tests the ability of logical reasoning, using diagrams and scenarios. **Verbal Reasoning** – Assesses the ability to assess verbal logic. **Abstract Reasoning** – Will assess general knowledge, and ability to utilise knowledge in new situations	2
2	Mental ability (visual, numerical and verbal)		2
3	General awareness of national/international architects and famous architectural creations		2
D	**JEE - B.Planning**		**4 Hours**
1	General Awareness	Test- Knowledge about prominent cities, development issues, government programmes etc.	1
2	Social Sciences	Economic development- economic sectors, globalisation, the concept of development, poverty; Population structure, social exclusion and inequality, urbanisation, rural development, colonial cities, Power-sharing, federalism, political parties, democracy, the constitution of India Human Settlements	2
3	Thinking Skills	Comprehension (unseen passage); map reading skills, scale, distance, direction, area etc.; Critical reasoning; Understanding of charts, graphs and tables;	1

Process of Online Payment of Application Fee

The candidate will pay online application fee using "SBI COLLECT" website. The Procedure of payment in SBI COLLECT is given below:

1) For payment of application fees, use following link.

https://www.onlinesbi.com/sbicollect/icollecthome.htm

2) MARK '√' (tick) in the box at the bottom of left-hand side to accept the condition. Click on **"Proceed".**

3) Select State of corporate/ educational Institute: **MAHARASHTRA**

4) Select: **EDUCATIONAL INSTITUTE**

5) Select : **COLLEGE OF ENGINEERING PUNE** ; Click on **"Submit"**

6) Select payment category: **"Course Fee"**

7) Fill up applicable information, as required.

8) In remarks - mention "**Online Training Program for JEE(PaperII) & NATA Entrance Exam** "

9) Confirm the details as **mobile number and Email ID**.

10) Make the payment; **"DU number"** will be generated.

Participants are required to store this **"DU number"** for future correspondence.

NOTE: All registered participants will receive the program details and join links on or Before **30TH Jan 2022.** After Registration kindly fill the google form link provided below for confirmation by uploading payment receipt.

Applications of the participants not making the online payment of registration fee and Not providing its UTR/DU and payment receipt details will be treated as INCOMPLETE and will not be Accepted for further processing.

Contact Us:

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For more details: Visit to - https://www.coep.org.in (Under upcoming event)