

## NATA 2022 Exam Guide

### FAQs on New Pattern, Sample Questions, Sample Papers, Preparation

#### I. What are NATA 2022 Exam Dates? How do I Apply / Register for it?

The NATA 2022 exam will be held in 3 cycles - 12th June, 3rd July & 24th July. The applications have started from 8th April 2022. You can apply at [www.nata.in](http://www.nata.in). The last date to apply for cycle 1 is 23rd May 2022. The information brochure is available at- [https://nata.in/NATA\\_Brochure.pdf](https://nata.in/NATA_Brochure.pdf)

#### II. What is the NATA exam trying to Assess?

NATA measures the aptitude of the applicant for specific field of study, i.e. Architecture, through assessment of cognitive skills, visual perception and aesthetic sensitivity tests, logical reasoning and critical thinking ability, etc., besides the learning that the candidate has acquired over the past few years and is related to the specific field of study.

#### III. Where will the NATA 2022 exam be Conducted?

NATA 2022 will be a computer-based test to be conducted at COA approved centres across India.

#### IV. What is the NATA 2022 Test Pattern?

The details of the NATA 2022 pattern are:

Type of Test	Type of ques.	No. of ques & marks	Marks per ques.	Time	Language
Computer based Aptitude Test	4 types of questions: MCQ, MSQ, PCQ, NAQ, MFQ	125 Questions for 200 marks	1, 2 or 3 marks per question	3 hours	Exam will be in English language

#### V. What Type of Questions will come in the exam?

NATA 2022 exam will have the following type of questions in the online aptitude test-

1. Diagrammatic Reasoning – Tests the ability of logical reasoning, using diagrams and scenarios.
2. Numerical Reasoning – Tests mathematical ability through simple problems.
3. Verbal Reasoning – Assesses the ability to assess verbal logic.
4. Inductive Reasoning – Tests the ability to see patterns and analyse given data
5. Situational Judgement – Tests problem-solving ability.
6. Logical Reasoning – Tests ability to recognise patterns, sequences or relationships between shapes and imagery.
7. Abstract Reasoning – Will assess general knowledge, and ability to utilise knowledge in new situations.

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#### VI. What **Topics** will the Questions be from?

Questions could be asked on various subjects & topics that assess candidates on **basic concepts** in:

#	Subject	Specific Topics
1	Maths (Numerical Ability)	Mensuration, Time-Speed-Distance, Mixture-Alligation, Number Series, Average, Percentage, Ratio-Proportion
2	Physics	NCERT (8th-10th Std): Speed-Motion-Acceleration, Energy-Force-Momentum, Light-Reflection-Refraction, Electricity-Heat-Conduction etc.
3	Geometry	Area-Volume-Length, Arcs-Angles-Triangles-Circles
4	English Language	Antonyms, Synonyms, Orders Sentences, Correcting Errors, Verbal Analogy, Idioms & Phrases.
5	English Comprehension	Passages and Inferences
6	Elements and Principles of design	Principles of design In compositions like hierarchy, repetition, emphasis, balance, unity, flow, similarity, direction, datum etc
7	Aesthetic Sensitivity - 3D Visualisation	Visualising forms and objects, cube & dice, merging of forms, plan & elevation, perspective views, folding paper etc
8	Colour Theory	Colour vocabulary, colour schemes, colour emotions, pantone colours of the year, hues & tints, colour names and codes
9	Lateral Thinking	Riddles, Puzzles
10	Logical Reasoning	Verbal reasoning, visual reasoning, direction test, counting shapes, clock & calendar, puzzles, seating arrangement, series
11	Visual Perception & Cognition	Spot the error / difference, Flash image memory test (30 sec)
12	Graphics & Imagery	Logos, Symbols, Brands, Traditional Products in Regions
13	ARCH - Building anatomy & Arch vocabulary	Arch plans-elevations-sections, types of dwelling, type of window-roof-door-domes-columns, architecture terms .
14	ARCH - Construction techniques & materials	Architecture styles, construction materials, type of texture, type of bridges-structures, construction technology, Arch-isms.
15	ARCH - Architectural GK	Architecture awards, architects-their work, famous monuments-temples-buildings, current affairs from 2021-22
16	GK & Current Affairs	About Geography, Civics, Business, United Nations, Important Days & Dates, Art Movements, Famous Paintings-Painters etc

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VII. Can you share any **Sample Questions** for each topic mentioned above?

Here are questions from the NATA 2021 original papers:

#	Sample Question - Subject - Topic
1	<b>Maths (Numerical Ability) - Mensuration</b>
Q	<p>Q.1 Some bricks are arranged in a pile with volume 30 cu m. If the length, breadth and height of each brick is 25 cm, 12.5 cm and 8 cm respectively, then in that pile the number of bricks are (Assume there is no gap in between two bricks) [Marks:1]</p> <p>• Correct Answer : 12000</p>
2	<b>Physics - Energy-Force-Momentum</b>
Q	<p>Q.12 Friction can be reduced by changing from [Marks:1]</p> <p>Options :</p> <p>a. sliding to rolling b. rolling to sliding c. potential energy to kinetic energy d. dynamic to static</p> <p>• Correct Answer : a</p>
3	<b>Geometry - Perimeter-Length-Area of Triangle</b>
Q	<p>Q.21 Perimeter of a Triangle with integer sides is equal to 15. How many such triangles are possible? [Marks:1]</p> <p>Options :</p> <p>a. 6 b. 7 c. 8 d. 9</p> <p>• Correct Answer : b</p>


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4	English Language - <i>Antonyms</i>
Q	<p>Q.27 In the following questions choose the word which is the exact OPPOSITE of the word given in <b>bold</b> type. [Marks:1]</p> <p>“There has been a mass <b>exodus</b> of workers from the villages to the towns.”</p> <p>Options :</p> <ol style="list-style-type: none"> <li>Influx</li> <li>Home-coming</li> <li>Return</li> <li>Restoration</li> </ol> <p>• Correct Answer : a</p>
5	English Comprehension - <i>Passages &amp; Inference</i>
Q	<p>Paragraph:</p> <p>There is modicum of truth in the assertion that "a working knowledge of ancient history is necessary to the intelligent interpretation of current events". But the sage who uttered these words of wisdom might well have added something on the benefits of studying, particularly, the famous battles of history for the lessons they contain for those of us who lead or aspire to leadership. Such a study will reveal certain qualities and attributes which enabled the winners to win and certain deficiencies which caused the losers to lose. And the student will see that the same patterns recur consistently, again and again, throughout centuries.</p> <p>Q.43 A person who aspires to lead could learn from the history of battles [Marks:1]</p> <p>Options :</p> <ol style="list-style-type: none"> <li>what led the previous leaders win a battle</li> <li>what made them lose a battle</li> <li>the qualities and deficiencies of commanders of these battles</li> <li>the strategies that they have evolved in course of these battles</li> </ol> <p>• Correct Answer : c</p>
6	Lateral Thinking - <i>Riddles</i>
	<p>Q.73 What four letter word can be written forward, backward or upside down and can still be read from left to right? Provide the answer in capital letters. [Marks:3]</p> <p>• Correct Answer : NOON</p>

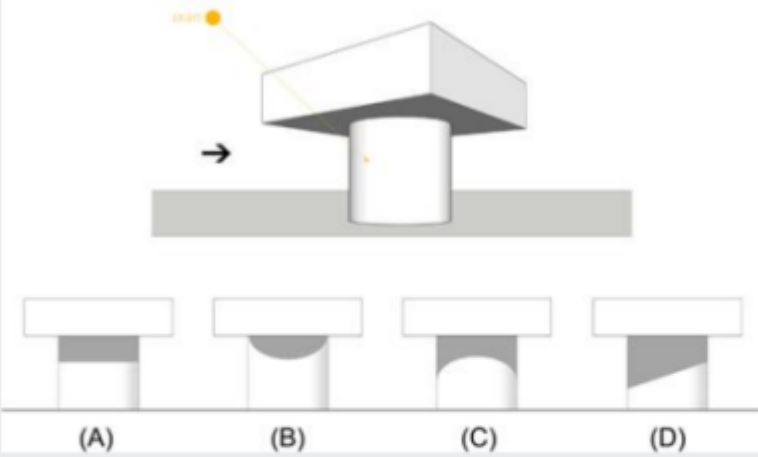
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7	<p><b>Elements &amp; Principles of Design - Principles of design in visual compositions</b></p>
Q	<p>Q.69 “Futura” is a font designed by Paul Renner a German typeface designer in 1927. [Marks:2] Identify the <b>four most important principles</b> adapted to compose the poster for Futura font. (Marks will be given only if all answers are correct.)</p>  <p>Options :</p> <ol style="list-style-type: none"> <li>Rhythm</li> <li>Parallelism</li> <li>Polychromatic</li> <li>Direction</li> <li>Minimalism</li> <li>Focus</li> <li>Distortion</li> <li>Monochromatic</li> </ol> <p>• Correct Answer : b,c,d,f</p>
8	<p><b>GK &amp; Current Affairs - Geography</b></p>
Q	<p>Q.58 Spot the odd one out in the following : [Marks:1]</p> <p>Options :</p> <ol style="list-style-type: none"> <li>Shale</li> <li>Marble</li> <li>Limestone</li> <li>Sandstone</li> </ol> <p>• Correct Answer : b</p>

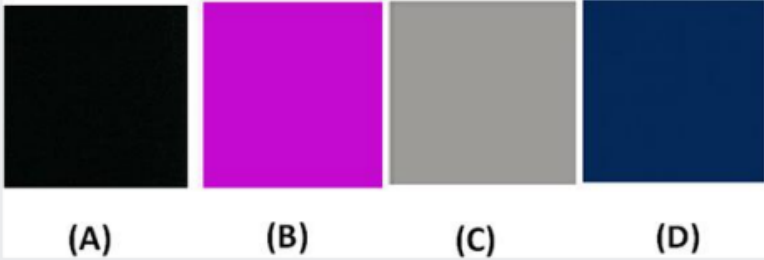

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9	<b>Aesthetic Sensitivity (3D Visualization) - Plan &amp; Elevation with Light &amp; Shadow</b>
Q	<p>Q.91 Identify the correct side elevation with the correct shadow for the given 3D figure. [Marks:2] The direction of the light source is indicated in the figure.</p>  <p>Options :</p> <ol style="list-style-type: none"> <li>(A)</li> <li>(B)</li> <li>(C)</li> <li>(D)</li> </ol> <p>• Correct Answer : c</p>
10	<b>Logical Reasoning - Basic Calculations</b>
Q	<p>Q.65 Tharun's commute never bothered him because there were always seats available [Marks:1] on the train and he was able to spend his 40 minutes comfortably reading the newspaper or catching up on paperwork. Ever since the train schedule changed, the train has been extremely crowded, and by the time the doors open at his station, there isn't a seat to be found. Which of the following choices best suggests Tharun's situation?</p> <p>Options :</p> <ol style="list-style-type: none"> <li>Tharun would be better off taking the bus to work.</li> <li>Tharun's commute is less comfortable since the train schedule changed.</li> <li>Many commuters will complain about the new train schedule.</li> <li>Tharun will likely look for a new job closer to home.</li> </ol> <p>• Correct Answer : b</p>

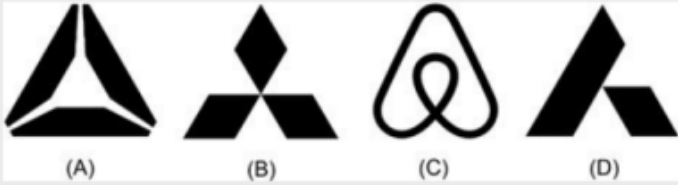
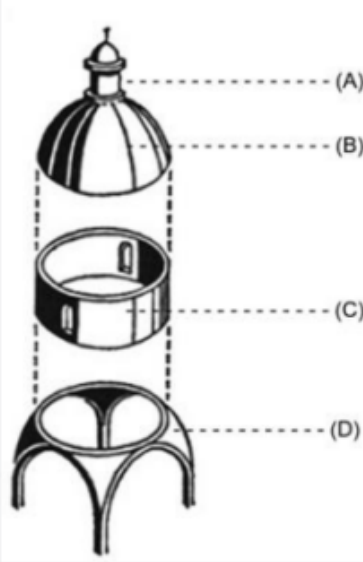
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11	<b>Colour Theory - Colour Emotions</b>
Q	<p>Q.100 Which from among the following colors is considered as an unemotional detached color? [Marks:3]</p> <p>detached color?</p>  <p>(A)                      (B)                      (C)                      (D)</p> <p>Options :</p> <ol style="list-style-type: none"> <li>(A)</li> <li>(B)</li> <li>(C)</li> <li>(D)</li> </ol> <p>• Correct Answer : c</p>
12	<b>Visual Perception &amp; Cognition - Flash images memory test (30 sec)</b>
Q	<p>Paragraph:</p> <p>The Art Institute of Chicago has recreated the famous painting “the bedroom” by Vincent van Gogh.</p> <p>Carefully observe the image which will disappear after 30 seconds and answer the two following questions. The image cannot be viewed again.</p>  <p>Q.120 How many paintings of portraits were hanging on walls? [Marks:3]</p> <p>• Correct Answer : 2</p>

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13	Graphics & Imagery - Symbols
Q	<p>Q.84 Identify the logo which depicts a brand known for lodging and hospitality. [Marks:2]</p>  <p>Options :</p> <ul style="list-style-type: none"> <li>a. (A)</li> <li>b. (B)</li> <li>c. (C)</li> <li>d. (D)</li> </ul> <p>• Correct Answer : c</p>
14	ARCH Building anatomy & Arch vocabulary - Parts of a dome
Q	<p>Q.78 For the given exploded view of a typical dome, choose the correct option which depicts the pendentive. [Marks:2]</p>  <p>Options :</p> <ul style="list-style-type: none"> <li>a. (A)</li> <li>b. (B)</li> <li>c. (C)</li> <li>d. (D)</li> </ul> <p>• Correct Answer : d</p>





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### VIII. Can you explain the weightage of each topic in the NATA 2022 exam?

We expect the NATA 2022 paper pattern to be similar to the NATA 2021 exam. Below is the analyses of the NATA 2021 original paper for both cycles-

NATA 2021 Original Paper Analyses		Cycle 1		Cycle 2	
#	Subject	# Ques	# Marks	# Ques	# Marks
1	Maths (Numerical Ability)	7	14.0	10	10.0
2	Physics	6	7.0	7	7.0
3	Geometry	8	16.0	8	8.0
4	English Language	5	5.0	5	5.0
5	English Comprehension	20	20.0	20	20.0
6	Elements and Principles of design	9	25.0	4	6.0
7	Aesthetic Sensitivity - 3D Visualisation	10	20.0	8	16.0
8	Colour Theory	5	5.0	3	9.0
9	Lateral Thinking	8	8.0	6	18.0
10	Logical Reasoning	7	10.0	6	6.0
11	Visual Perception & Cognition	14	38.0	15	39.0
12	Graphics & Imagery	5	5.0	4	8.0
13	ARCH - Building anatomy & Arch vocabulary	5	5.0	10	20.0
14	ARCH - Construction techniques & materials	6	12.0	5	5.0
15	ARCH - Architectural GK	3	3.0	1	3.0
16	GK & Current Affairs	7	7.0	13	20.0
	<b>Total</b>	<b>125</b>	<b>200.0</b>	<b>125</b>	<b>200.0</b>

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#### IX. Can I download **Sample Paper PDFs** available for the NATA 2022 exam?

We expect the NATA 2022 paper pattern to be similar to the NATA 2021 exam. We have uploaded the NATA 2021 original papers (both cycles) at- <https://silica.co.in/nata-sample-papers.html>.

#### X. Is there **negative marking** in NATA 2022?

No, there is no negative marking in NATA 2022 exam

#### XI. What are the **important dates** of NATA 2022 exams?

For First Test Scheduled to be held on **12th June, 2022**:

Sl No	Activity	Date (with time)
1	Availability of information in the public domain	From 8th April 2022
2	Start of Online form fill-up	8th April 2022
3	End of registration	23rd May 2022 (11:59 PM)
4	Image uploads allowed till	23rd May 2022 (11:59 PM)
5	Fee payment allowed till	23rd May 2022 (11:59 PM)
6	Confirmation page printing available till	23rd May 2022 (11:59 PM)
7	Candidate Correction window	19th May 2022 (10:30 AM) to 23rd May 2022 (11:59 PM)
8	Publication of Downloadable Admit Card	7th June 2022
9	Date and Time of Examination	12th June 2022
10	Publication of Results	20th June 2022

For Second Test Scheduled to be held on **12th June, 2022**:

Sl No	Activity	Date (with time)
1	Availability of information in the public domain	From 8th April 2022
2	Start of Online form fill-up	8th April 2022
3	End of registration	20th June 2022 (11:59 PM)
4	Image uploads allowed till	20th June 2022 (11:59 PM)
5	Fee payment allowed till	20th June 2022 (11:59 PM)
6	Confirmation page printing available till	20th June 2022 (11:59 PM)
7	Candidate Correction window	18th June 2022 (10:30 AM) to 20th June 2022 (11:59 PM)
8	Publication of Downloadable Admit Card	30th June 2022

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9	Date and Time of Examination	3rd July 2022
10	Publication of Results	13th July 2022

For Third Test Scheduled to be held on **12th June, 2022:**

Sl No	Activity	Date (with time)
1	Availability of information in the public domain	From 8th April 2022
2	Start of Online form fill-up	8th April 2022
3	End of registration	11th July 2022 (11:59 PM)
4	Image uploads allowed till	11th July 2022 (11:59 PM)
5	Fee payment allowed till	11th July 2022 (11:59 PM)
6	Confirmation page printing available till	11th July 2022 (11:59 PM)
7	Candidate Correction window	11th July 2022 (10:30 AM) to 11th July 2022 (11:59 PM)
8	Publication of Downloadable Admit Card	21st July 2022
9	Date and Time of Examination	24th July 2022
10	Publication of Results	3rd August 2022

#### XII. How many **attempts** are there? Can I appear for both attempts? Which score will be considered for admission?

There are three NATA attempts. A candidate can appear for either one or two or all three. The highest of both scores will be considered for admission into B.Arch college if you give 2 attempts. If you appear for 3, then the average of the highest 2 scores will be considered.

#### XIII. What is the **validity** of the NATA 2022 score?

NATA- 2022 score shall be valid only for admission in the academic session 2022- 2023 (only for one year i.e. current year).

#### XIV. What is the **eligibility criteria** to appear for NATA 2022?

1. Candidates who have **completed** their 10 + 2 examination with Physics, Chemistry and Mathematics or 10+ 3 Diploma with Mathematics can appear for NATA 2022.
2. Candidates **appearing** for 10+2 examination with Physics, Chemistry and Mathematics or 10+3 Diploma with Mathematics in the current year may also appear for NATA-2022
3. No candidate shall be admitted to architecture course unless he has passed an examination at the end of the 10+2 scheme of examination with at least **50% aggregate marks** in Physics, Chemistry and Mathematics and also at least **50% marks in aggregate** of the 10+2 level

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examination or passed 10+3 Diploma Examination with Mathematics as compulsory subject with at least 50% marks in aggregate.

#### XV. How to **best prepare** for the NATA 2022 exam?

SILICA Institute provides following option for preparation:

Type of Coaching	Details	Fees / Price
1. Classroom Coaching <a href="#">(29 centers)</a>	<ul style="list-style-type: none"> <li>● Offline at 29 SILICA Centres across 11 cities</li> <li>● <b>25 lectures</b> covering all 16 topics</li> <li>● Lectures 3 times a week.</li> <li>● Conducted by Architect &amp; Engineer faculty.</li> <li>● 10 Mock Tests and Improvement Feedback</li> <li>● FREE Online Self Study Kit (<b>see below</b>)</li> </ul>	Rs 16,999/-
2. Live Online Coaching	<ul style="list-style-type: none"> <li>● Conducted Live Online @ Zoom</li> <li>● <b>25 lectures</b> covering all 16 topics</li> <li>● Lectures 3 times a week.</li> <li>● Conducted by Architect &amp; Engineer faculty.</li> <li>● 10 Mock Tests and Improvement Feedback</li> <li>● FREE Online Self Study Kit (<b>see below</b>)</li> </ul>	Rs 12,999/-
3. Online Self Study Kit <a href="#">Order Now</a>	<ul style="list-style-type: none"> <li>● 16 Content Sections for 16 Exam Topics</li> <li>● 15+ Lectures on Architecture Aptitude</li> <li>● 20+ Lectures on General Aptitude</li> <li>● 15+ Videos on PGM</li> <li>● 10 New Mock Tests as per new pattern</li> <li>● 500+ Questions on General Aptitude</li> <li>● 800+ Questions on Architecture Aptitude</li> <li>● 200+ Questions on Physics, Geometry, Maths</li> </ul>	Rs 1,500/-
4. Study Material Kit <a href="#">Order Now</a>	<ul style="list-style-type: none"> <li>● FREE online Self Study Kit</li> <li>● Set of 12+ books covering 5 Drawing books, 4 General Aptitude books, 2 Maths books, 2 Mock Test books</li> </ul>	Rs 4,000/-

To Enquire, Call **8080809198** or Call a SILICA Center at-  
<https://silica.co.in/contact>.

All the Best! 👍