GATEWAY
COLLEGE OF ARCHITECTURE & DESIGN
Delhi-NCR, Sonipat

NATA
MOCK TEST-2

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OUR VENTURES

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Nata Mock Test 2

By

Gateway Education

Disclaimer

This mock test is prepared just to give idea of questions which may be asked for assessing aptitude of the individuals while appearing into Nata or similar entrance exam for B.Architecture.

Questions & Marks of Examination

Part A – Drawing and Composition Test – Offline mode – test duration 90 Minutes, 80 marks, (108 Seconds per question)

A1 – 1 Question – Composition and Color – 25 Marks
A2 – 1 Question– Sketching & Composition (Black and White)– 25 Marks
A3 – 1 Question – 3D Composition – 30 Marks
Total 3 Questions – 80 Marks

Part B – MCQ and NCQ – Computer based Adaptive Test – 90 Minutes, 120 marks

B1 – 42 questions – MCQ
B2 – 08 questions – NCQ

Total 50 Questions – 120 Marks

GRAND TOTAL MARKS (PART A + PART B) (80+120) = 200

TOTAL MARKS: PART – A & PART – B = 200

NATA 2025 will be conducted as a comprehensive aptitude test consisting of Part -A (Drawing and Composition) which will be in offline mode and Part B (MCQ – Multiple Choice Questions and NCQ - No Choice Questions) which will be in ONLINE adaptive mode.

The medium of Aptitude test shall be in English and Hindi.

The aptitude of the candidate will be assessed using some or all of the following:

PART-A

The aptitude of the candidate will be assessed using some or all of the following:

PART-A

Drawing and Composition Test

This is one and half hour (90 minutes) – 80 Marks Test where candidate has to attempt three questions. The content of the PART A Test is as follows:

- **A1 - Composition and Color -25 Marks:** Creating suitable compositions for various situations and coloring them appropriately. Re-arranging various shapes in visually appealing manner and coloring it suitably.
- **A2 -Sketching & Composition (Black and White)-25 Marks:** Ability to draw, visualize, depict a situation, involving buildings / its components, people, environment, products with an understanding of scale, proportions, textures, shades and shadow etc.
- **A3 - 3D Composition-30 Marks:** Creating interesting 3D composition for the given situation using the provided kit.

PART-B

This is one and half hour (90 minutes), 120 Marks Test where candidate has to appear for online test. It shall have two types of Questions viz., B1 – 42 MCQs and B2 –08 NCQs from the following topics:

- **Visual Reasoning** Ability to understand and reconstruct 2D and 3D composition, knowledge about its composition and technical concepts.
- **Logical Derivation** Ability to decode a situation, composition, context and generate meaning. Understanding the minute information hidden in a particular situation and drawing conclusions.
- **G.K., Architecture & Design** General awareness of architecture and design, current issues, recent

- **Language Interpretation** Ability to correctly & logically generate meaning of words, sentences, understanding about English grammar.

- **Design Sensitivity and Thinking** Ability to observe record and analyze, people, space, product, environment. Critical thinking, reasoning and ability to identify the subtle communications. Ability to understand semantics, metaphors, problem identification and definition, analysis of a given situation.

- **Numerical Ability** Basic Mathematics and its association with creative thinking. To unfold a space with use of geometry.

Part A

Drawing Based Exam

80 Marks **Duration 90 Minutes**

Question -1 **25 Marks**

Draw a 2D Colored Composition while using 6 Octagons, 2 Circles and 3 Triangles.

Question -2

Draw a black and white sketch of Holi festival in Rural Area. **25 Marks**

Question -3

Create a 3D composition while using 3d objects. **30 Marks**

Part B

120 Marks **Computer Based Exam** **Duration 90 Minutes**

PART-B

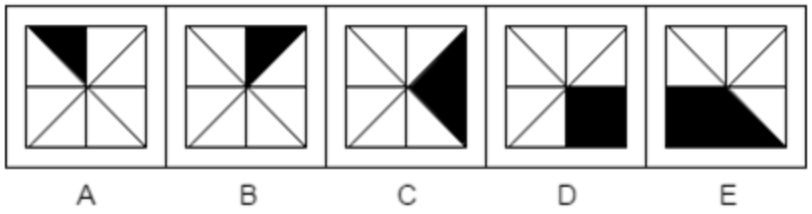
This is one and half hour (90 minutes), 120 Marks Test where candidate has to appear for online test. It shall have two types of Questions viz., B1 – 42 MCQs and B2 –08 NCQs from the following topics:

- **Visual Reasoning** Ability to understand and reconstruct 2D and 3D composition, knowledge about its composition and technical concepts.
- **Logical Derivation** Ability to decode a situation, composition, context and generate meaning. Understanding the minute information hidden in a particular situation and drawing conclusions.
- **G.K., Architecture & Design** General awareness of architecture and design, current issues, recent
- **Language Interpretation** Ability to correctly & logically generate meaning of words, sentences, understanding about English grammar.
- **Design Sensitivity and Thinking** Ability to observe record and analyze, people, space, product, environment. Critical thinking, reasoning and ability to identify the subtle communications. Ability to understand semantics, metaphors, problem identification and definition, analysis of a given situation.
- **Numerical Ability** Basic Mathematics and its association with creative thinking. To unfold a space with use of geometry.

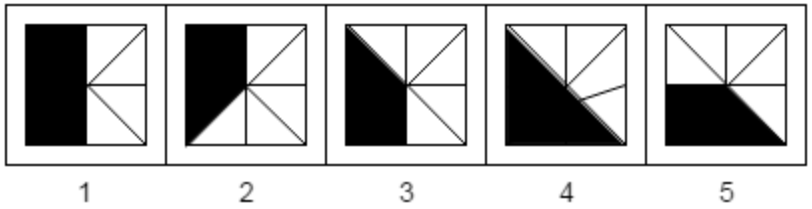
1)

Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures.

Problem figures;



Answer figures;

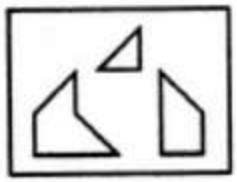


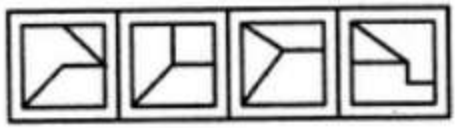
Options

A	1
B	2
C	3
D	4

2)

Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).





Options

A	1
B	2
C	3
D	4

3)

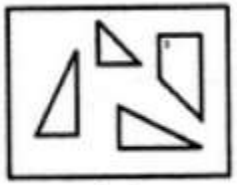
(X)

(1) (2) (3) (4)

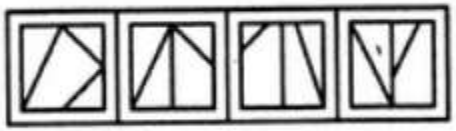
Options

A	1
B	2
C	3
D	4

5)



(X)

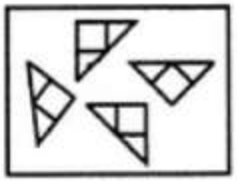


(1) (2) (3) (4)

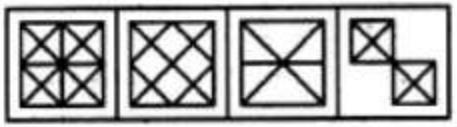
Options

A	1
B	2
C	3
D	4

4)



(X)

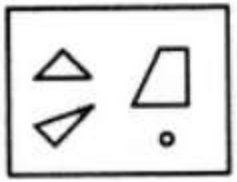


(1) (2) (3) (4)

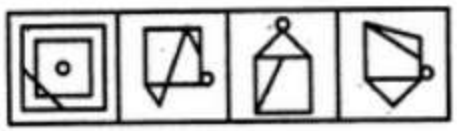
Options

A	1
B	2
C	3
D	4

6)



(X)



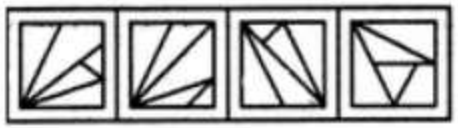
(1) (2) (3) (4)

Options

A	1
B	2
C	3
D	4

7)

(X)

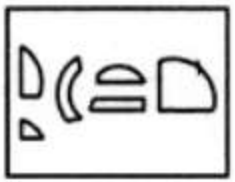


(1) (2) (3) (4)

Options

A	1
B	2
C	3
D	4

8)



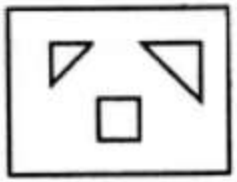
(X)

(1) (2) (3) (4)

Options

A	1
B	2
C	3
D	4

9)



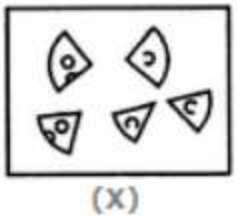
(X)

(1) (2) (3) (4)

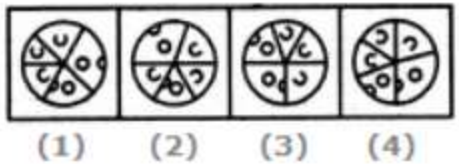
Options

A	1
B	2
C	3
D	4

10)



(X)



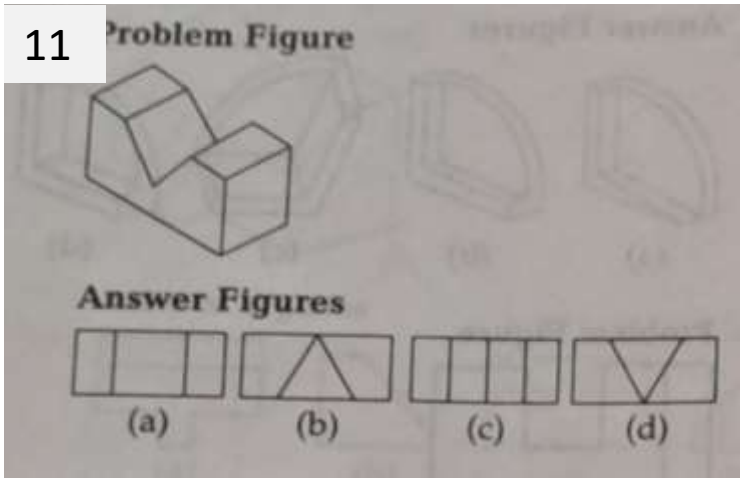
(1) (2) (3) (4)

Options

A	1
B	2
C	3
D	4

Identify the correct Top View of the Given Problem:-

11



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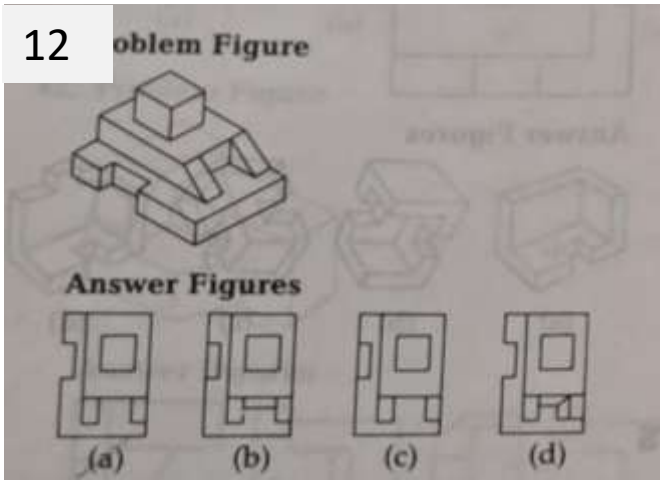
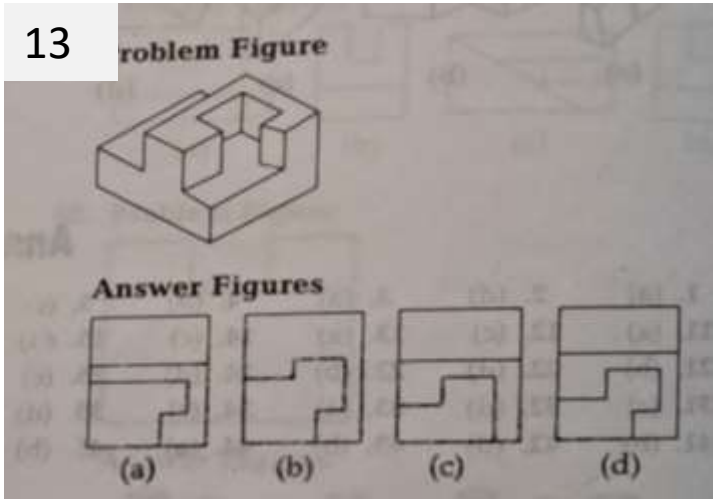


13



14) Persistence of sound even after the source of sound has ceased is
a) Reverberation
b) Rarefaction
c) Resonance
d) Damping

15. GRIHA is a rating for Green Building given by
a. The Energy and Research Institute
b. Development Alternatives
c. Bureau of Energy Efficiency
d. Ministry of Power

16. The principle of Solid Waste Management involves
a. Reproduce, Reuse, Recycle
b. Recycle, Replenish, Reuse
c. Reduce, Reuse, Reproduce
d Reduce, Reuse, Recycle

17. ECBC stands for
a. Electrical Conduit in Building Construction
b Energy Conservation Building Code
c. Electrical Credit in Building Code
d. Energy Credit in Building Construction

18. Who Planned Bhubaneswar
a. Le Corbusier
b. Louis Kahn
c. Doxiadis
d. Otto Koenigsberger

19. Gandhinagar in Gujrat was designed by:
a. B.V. Doshi
b. H.K. Mewada
c. Raj Rewal
d. Charles Correa

20. BIM stands for
a. Building information management
b. Building information modelling
c. Building informatics module
d. Building Integrated Machine

21. 2-dimensional rendered architectural presentations can be done with the help
a. Adobe Photoshop
b. Corel Draw
c. AutoCAD
d All the above

22. Which is not example of Cave Architecture?
a. Ajanta
b. Khajuraho
c. Ellora
d. Elephanta

23. Who Designed Jeevan Bharati Building at Connaught Place New Delhi
a Charles Correa
b. Raj Rewal
c. Joseph Allen Stein
d. Achyut Kanvinde

24. Who designed IIM Ahmadabad
a. Le Corbusier
b. Louis Kahn
c. Charles Correa
d. None of these

Identify Architects

25. Identify **Frank Owen Gehry**

a.

b.

c.

d.

26. Identify Le Corbusier

a.

b.

c.

d.

Identify Architects

27. Identify **Edwin Lutyen**

a.

b.

c.

d.

28. Identify **Walter Gropius**

a.

b.

c.

d.

Identify Architect's Building

29. Identify **Tower of Pisa**

a.

b.

c.

d.

30. Identify **Gateway of India**

a.

b.

c.

d.

31. Identify **Eiffel Tower**

a.

b.

c.

d.

32. Identify **Sanchi Stupa**

a.

b.

c.

d.

33. An experiment succeeds twice as often as it fails. Then the probability that in the, next 4 trials there will be atleast 2 successes, is

(a) 1/9
(b) 8/9
(c) 5/9
(d) 2/9

34. What will be the volume (in Cubic cm) of a football with a radius of 12 cm?

a) 113.13
b) 7241.14
c) 268.16
d) 14141.25

35. What should be the volume (in Cubic cm) of a box that can exactly fit 4 dice, each with a side of 3 cm?

a) 27
b) 12
c) 64
d) 108

36. In a shower, 5 cm of rain falls. The volume of water that falls on 1.5 hectares of ground is:

a) 75 cu. m
b) 750 cu. m
c) 7500 cu. m
d) 75000 cu. m

37. 66 cubic centimeters of silver is drawn into a wire 1 mm in diameter. The length of the wire in meters will be:

a) 84
b) 90
c) 168
d) 336

38. The ratio between the perimeter and breadth of a rectangle is 5:1 if the area of the rectangle is 216 sq.cm what is the length of the rectangle.

a) 25 cm
b) 18 cm
c) 20 cm
d) 12 cm

39. Floors X and Y are equal in in area, If X is 12 feet X 8 feet and the width of Y is 6 feet, what is the length of Y?

a) 16 feet
b) 15 feet
c) 18 feet
d) 20 feet

40. How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest?

a) 4 Years
b) 5 Years
c) 6 Years
d) 7 Years

41

If $\mathbf{A} = \begin{bmatrix} 2 & -1 \\ 3 & -2 \end{bmatrix}$ then the inverse of the matrix A^3 is

1. A
2. 1
3. -1
4. -A

42

The length of the curve $\mathbf{y} = \frac{2}{3}\,\mathbf{x}^{3/2}$ between x = 0 and x = 1 is

1. 0.27
2. 0.67
3. 1
4. 1.22

43. Which town plan may be related to Lutyens?
(a) Chennai
(b) New Delhi
(c) Kolkata
(d) Mysore

44. Pinjore, Sohna and Surajkund are important tourist centre of
(a) Punjab
(b) Haryana
(c) Uttar Pradesh
(d) Himachal Pradesh

45. National Emblem of India is replica of Ashoka's pillar at
(a) Sarnath
(b) Gaya
(c) Sanchi
(d) Allahabad

46. Which Indian city is known as Venice of the
East?
(a) Srinagar
(b) Aleppy
(c) Bengaluru
(d) Madurai

47. Ootacamand a famous hill station of South is in the state of
(a) Tamil Nadu
(b) Kerala
(c) Karnataka
(d) Andhra Pradesh

48. Ranthambore National Park is in which state?
(a) Rajasthan
(b) Harayana
(c) Punjab
(d) Himachal Pradesh

49. Which hill station in India has been named after a governor-general?
(a) Mussorie
(b) Nainital
(c) Dalhousie
(d) Shimla

50. Where was the first TV centre of India set up?
(a) New Delhi
(b) Mumbai
(c) Kolkata
(d) Chennai

Answers Mock Test 2

Question	Answer	Question	Answer	Question	Answer	Question	Answer
1	**C**	16	**D**	31	**B**	46	**B**
2	**A**	17	**B**	32	**D**	47	**A**
3	**C**	18	**D**	33	**B**	48	**A**
4	**B**	19	**B**	34	**B**	49	**C**
5	**B**	20	**B**	35	**D**	50	**A**
6	**C**	21	**D**	36	**B**		
7	**C**	22	**B**	37	**A**		
8	**A**	23	**A**	38	**A**		
9	**A**	24	**B**	39	**A**		
10	**C**	25	**A**	40	**A**		
11	**A**	26	**B**	41	**A**		
12	**A**	27	**C**	42	**D**		
13	**D**	28	**C**	43	**B**		
14	**A**	29	**C**	44	**B**		
15	**A**	30	**A**	45	**A**		

ARCHVENTURE

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