GATEWAY
COLLEGE OF ARCHITECTURE & DESIGN
Delhi-NCR, Sonipat

NATA
MOCK TEST-1

Programs at Gateway: B.Tech CSE | B.Tech CSE (AI & ML) | B.Pharm | B.Arch
BCA | MCA | BBA | MBA | K-12 School

OUR VENTURES

HRM GLOBAL SCHOOL | GATEWAY COLLEGE OF ARCHITECTURE & DESIGN | GATEWAY INSTITUTE OF ENGINEERING & TECHNOLOGY | GATEWAY COLLEGE OF PHARMACY | rishihood university

Nata Mock Test 1

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 5 Triangles, 2 Circles and 2 Squares.

Question -2

Draw a black and white sketch of Market in Urban 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

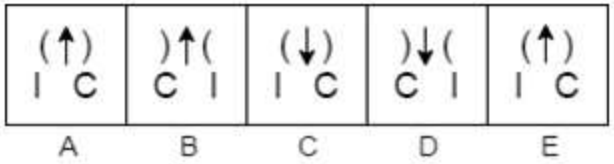
This is one and half hour (90 minutes), 120 Marks Test where candidate has to appear for online test. It shall have two types of Questions viz., B1 – 42 MCQs and B2 –08 NCQs from the following topics:

- **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.

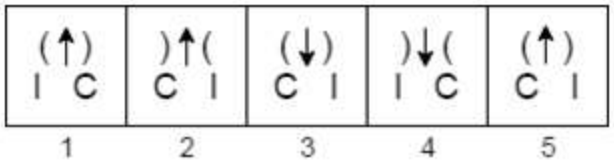
Questions on Visual Reasoning

Q-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:

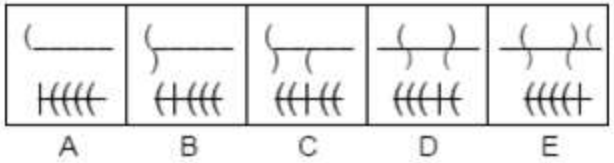


Options

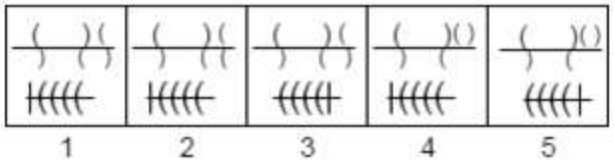
A	2
B	3
C	4
D	5

Q-2)

Problem figures;



Answer figures;

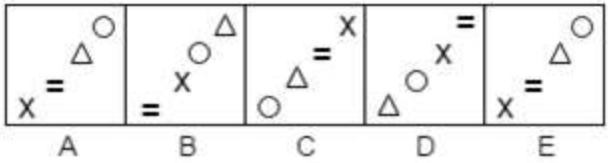


Options

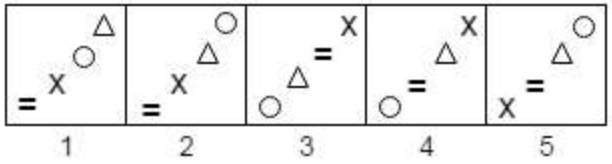
A	1
B	2
C	3
D	4

Q-3)

Problem figures;



Answer figures;

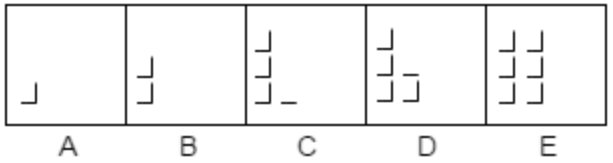


Options

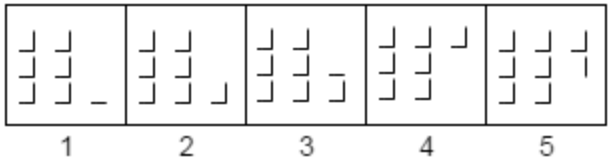
A	5
B	4
C	3
D	1

Q-4)

Problem figures;



Answer figures;

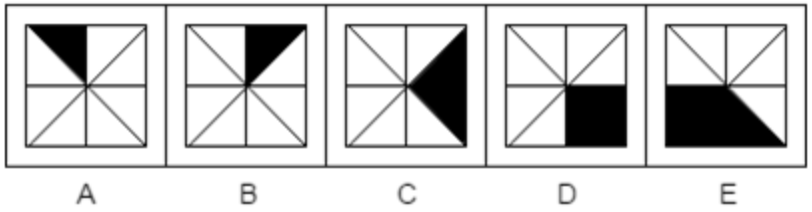


Options

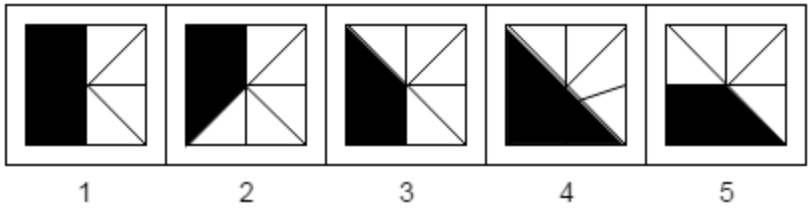
A	5
B	4
C	2
D	1

Q-5)

Problem figures;



Answer figures;

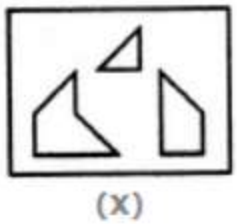


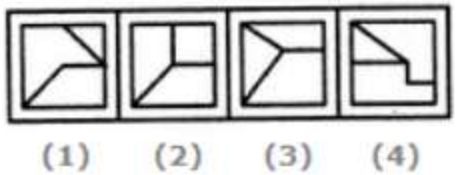
Options

A	1
B	2
C	3
D	4

Q-6)

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



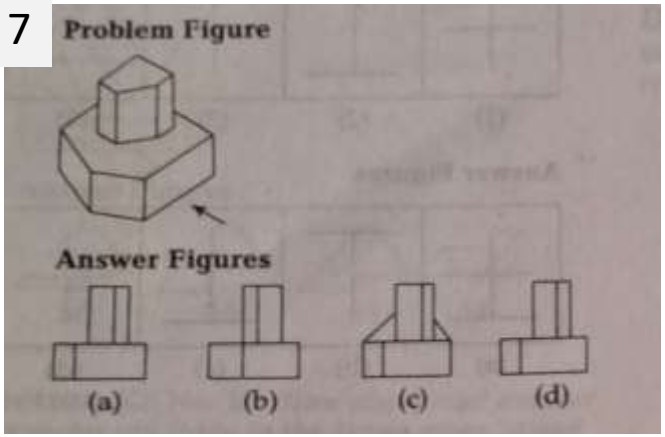


Options

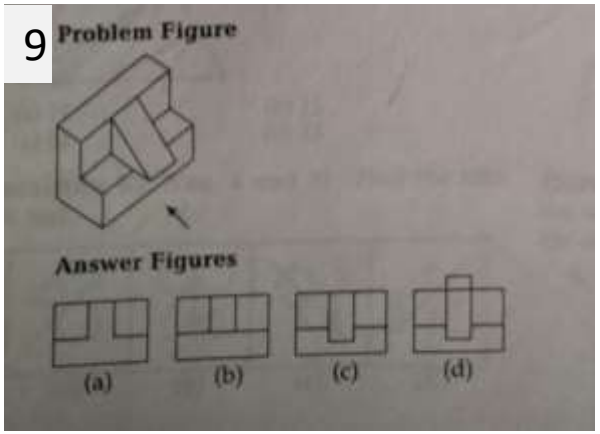
A	1
B	2
C	3
D	4

Identify the correct Elevation of the Given Problem as indicated by arrow.

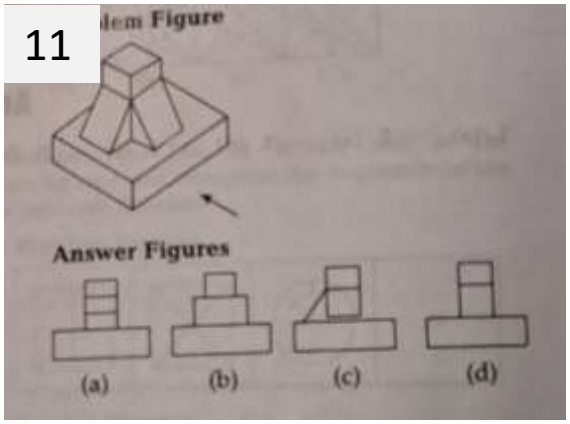
7



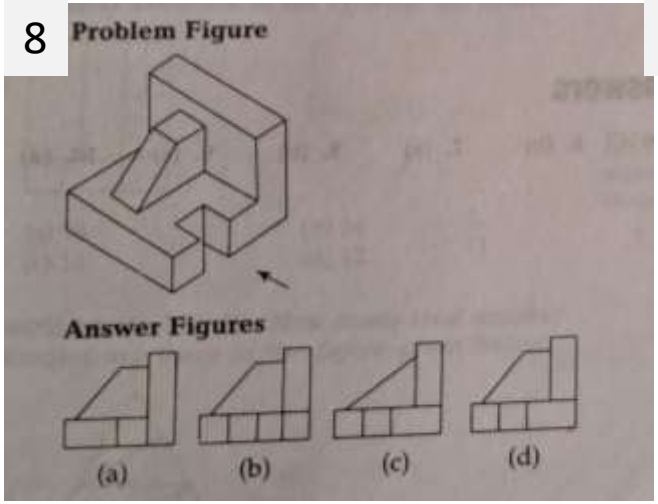
9



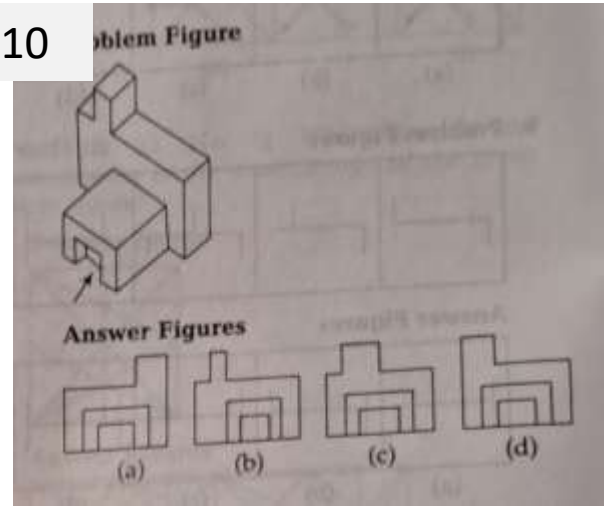
11



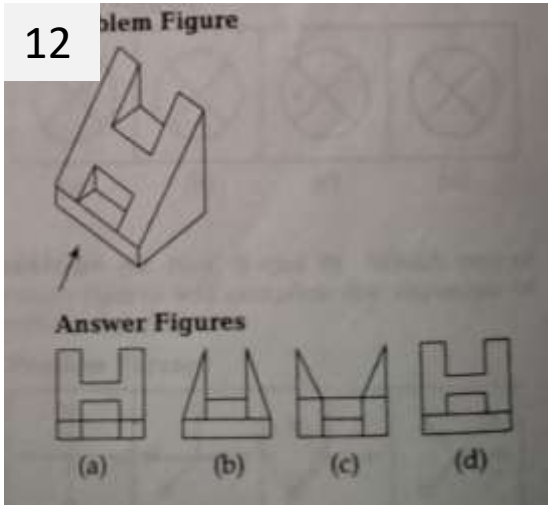
8



10



12



13. What is CPCB
(a) Central Pollution Cancel Board
(b) Central Pollution Censor Board
(c) Central Pollution Creation Board
(d) Central Pollution Control Board

14. Shahjahanabad is a part of which one of the following cities?
(a) Lucknow
(b) Delhi
(c) Aurangabad
(d) Allahabad

15. In which Indian state is the sun temple of Konark located?
(a) Assam
(b) Paschim Banga
(c) Odisha
(d) Tamil Nadu

16. Cooling effect in hot climates can be achieved by
(a) stone cladding
(b) dark coloured walls
(c) metal sheet roofing
(d) installing fountains

17. Satish Gujral is
(a) an actor
(b) cricketer
(c) musician
(d) a well known painter

18. What is Jantar Mantar?
(a) A Museum
(b) A Fort
(c) Mughal Garden
(d) An Astronomical Laboratory

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

20. 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

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

22. 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

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

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

Identify Architects

25. Identify Zaha Hadid

a.

b.

c.

d.

26. Identify Frank Lloyd Wright

a.

b.

c.

d.

Identify Architects

27. Identify **Frank Owen Gehry**

a.

b.

c.

d.

28. Identify Le Corbusier

a.

b.

c.

d.

Identify Architect's Building

29. Identify **India Gate**

a.

b.

c.

d.

30. Identify **Hawa Mahal**

a.

b.

c.

d.

Identify Architect's Building

31. Identify **Tower of Pisa**

a.

b.

c.

d.

32. Identify **Gateway of India**

a.

b.

c.

d.

33. The statement (-p⇒q)(-pq) is a
(a) contradiction
(b) tautology
(c) Neither (a) nor (b)
(d) None of these

34. **The radii of two circles are 19 cm and 9 cm respectively. Find the radius of the circle which has circumference equal to the sum of the circumferences of the two circles**

(a) 24 cm
(b) 26 cm
(c) 28 cm
(d) 30 cm

35. The wheels of a car are of diameter 80 cm each. How many complete revolutions does each wheel make in 10 minutes when the car is traveling at a speed of 66 km per hour?

(a) 4000
(b) 4375
(c) 4500
(d) 4600

36. 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

37. 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

38. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?

a) 120 meters
b) 150 meters
c) 160 meters
d) 180 meters

39. A train running at the speed of 75 km/hr crosses a pole in 9 seconds. What is the length of the train?

a) 120 meters
b) 150 meters
c) 160 meters
d) 187.5 meters

40. 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

41.

If $\begin{bmatrix} 2 & 1 \\ 3 & 2 \end{bmatrix} \cdot A \cdot \begin{bmatrix} -3 & 2 \\ 5 & -3 \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$, then A =

1. $\begin{bmatrix} 1 & 1 \\ 1 & 0 \end{bmatrix}$
2. $\begin{bmatrix} 1 & 1 \\ 0 & 1 \end{bmatrix}$
3. $\begin{bmatrix} 1 & 0 \\ 1 & 1 \end{bmatrix}$
4. $\begin{bmatrix} 0 & 1 \\ 1 & 1 \end{bmatrix}$

42.

The value of integral $\frac{x}{cos^2 x}$ is equal to

1. x tan x
2. log cos x
3. x tan x + log (cos x)
4. x tan x - log cos x

43. Where is Kanha National Park located?
(a) Uttar Pradesh (c) Asom
(b) Madhya Pradesh (d) Maharashtra

44. The Sphinx is in
(a) Spain
(b) Egypt
(c) Afghanistan
(d) Pakistan

45. The diameter of Gol Gumbaz of Bijapur is
(a) 120 ft
(b) 125 ft
(c) 144 ft
(d) 164 ft

46. Where is White Hall located?
(a) London
(b) Washington
(c) New York
(d) Paris

47. The most popular city of the world is
(a) New York
(b) London
(c) Mumbai
(d) Tokyo

48. The largest island in the world is
(a) Honshu
(b) Borneo
(c) Greenland
(d) Sri Lanka

49. The famous Ibadat Khana is in
(a) Agra
(b) Lucknow
(c) Delhi
(d) Fatehpur Sikri

50. The city of Jaisalmer is densely formed with thousands of
(a) courtyard houses
(b) sky scrapers
(c) palaces
(d) low rise structures

Answers Mock Test 1

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

ARCHVENTURE

YES
CAN

GATEWAY EDUCATION

Delhi-NCR, Sonipat

ADMISSIONS OPEN

- B.Tech CSE
- B.Tech CSE (AI & ML)
- B.Pharm.
- B.Arch.
- BCA | MCA
- BBA | MBA
- PGDM
- K-12 School

Apply Now

UPCOMING PROGRAMS*

B.Sc. Nursing | GNM | B.Sc. MLT | D.Pharm. | B.Design

Bus Facility Available From:

Ganaur, Samalkha, Panipat, Kharkhoda
Narela, Baghpat, Baraut, Delhi

FREE BUS FACILITY FROM - SONIPAT CITY

Approved by COA, PCI & AICTE, New Delhi &
Affiliated to DCRUST Murthal, Pt. B.D. Sharma UHS Rohtak & AIMA

Campus Address:
Gateway Campus, Sector-11,
Delhi-NCR, Sonipat (Haryana)

Corporate Office:
D-11, Prashant Vihar, Rohini, New Delhi (110085)

Admission Helpline: 8800553350 | 7496999258