

CAREERS 360

PRACTICE **Series**

NID DAT 2025 **(BDes Prelims)**

Official Sample Paper
with Detailed Solutions



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About This eBook

Dear NID DAT BDes Aspirants,

We are excited to announce the release of a comprehensive eBook specifically designed for those preparing for the NID B.Des Prelims. This eBook includes detailed solutions to the official sample paper, offering you a thorough understanding of the types of questions you may encounter in the examination.

Inside the eBook, you will find:

- **Exam Pattern Overview:** A clear and concise breakdown of the exam structure, helping you to strategize your preparation effectively.
- **Detailed Solutions:** Step-by-step explanations for the official sample paper, ensuring you grasp the concepts and methodologies required to excel.
- **Additional Resources:** Access to the NID DAT B.Des Complete Guide, which covers all essential topics and tips for the exam.
- **Practice Opportunities:** 10 free mock tests designed to simulate the actual exam environment, enabling you to assess your readiness and identify areas for improvement.

This eBook is crafted to provide you with all the tools and insights needed to succeed in the NID B.Des Prelims. We hope you find it immensely helpful in your preparation journey.

Wishing you the best of luck!

NID DAT Bdes Exam Pattern

Prelims and Mains

The exam pattern for the NID DAT 2024, covers both DAT Prelims and DAT Mains. DAT Prelims will be a paper-and-pencil/pen test, featuring text and visuals with a duration specified on the admit card. The exams evaluate candidates' knowledge, skills, and behavioural abilities. On the other hand, The DAT Mains involves a Studio Test. In the studio test, students might have to do things like drawing, making models, talking in groups and giving presentations. The exam pattern according to the NID DAT BDes prelims official sample paper is as follows:

NID DAT BDes PRELIMS (40%)				
Section	Type of question	Number of Questions in each section	Marks allotted per question	Maximum marks per section
Part I	MCQ	Q1 - Q15	15 x 1 mark	15 marks
		Q16- Q26	11 x 2 marks	22 marks
		Q27	01 x 3 marks	3 marks
Part II	Subjective type	Q28 - Q31	4 x 15 marks	60 marks
Total Marks				100 marks

NID DAT BDes MAINS (60%)	
Mode of exam	Offline
Exam Duration	3 hours
Total marks	100
Mode of Language	English
Type of questions	Based on Drawing/ Sketching/ Model Making

NID DAT BDes Prelims Sample Paper Solution

Q1. Name the corridor that connects the Darbar Sahib Gurdwara in the Narowal district of Pakistan with the Dera Baba Nanak shrine in the Gurdaspur district in India's Punjab province, which allows devotees from India to visit the Darbar Sahib Gurdwara in Pakistan without a Pakistan visa.

- (A) Sardarpur (B) Nanakpur
(C) Kartarpur (D) Darbarpur

A. (C) Kartarpur

The Kartarpur Sahib Corridor is 4.1 km. the passage that connects the Dera Baba Nanak shrine in Gurdaspur with the Gurdwara Darbar Sahib in Kartarpur, Pakistan.

Q2. How many hours difference is there between India IST and Greenwich meantime?

- (A) +4:30 hours (B) +5:30 hours
(C) -5:30 hours (D) -4:30 hours

A. (B) +5.30 hours

Because of the place and in which latitude India is present, there is a positive difference of five hours and 30 minutes between IST and Greenwich meantime.

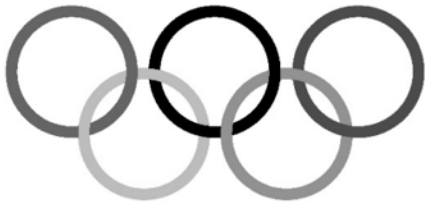
Q3. What is the abbreviation of UPI?

- (A) United Payment Identification (B) United Payment Interaction
(C) Unlimited Payment Interaction (D) Unified Payment Interface

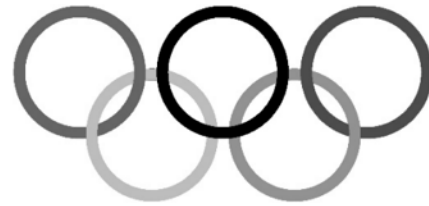
A. (D) Unified Payment Interface

Unified Payments Interface, commonly referred to as UPI, is an Indian instant payment system as well as a protocol developed by the National Payments Corporation of India in 2016. The interface facilitates inter-bank peer-to-peer and person-to-merchant transactions

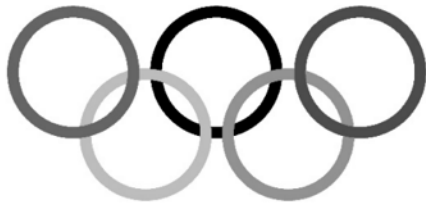
Q4. Which is the correct Logo of the Olympics?



(A)



(B)



(C)



(D)

A. (A)

The Olympic logo is made up of rings that represent the continents of the Earth. It consists of 5 rings of colors blue, yellow, black, green, and red which are all placed such that the blue, black, and red rings at the top intersect at one point, while green and yellow at the bottom intersect twice.

Q5. Which of the following is the unit of measurement of noise pollution?

(A) Pascal

(B) Decibel

(C) Hertz

(D) All of these

A. (B) Decibel

It is the unit for expressing the ratio between two physical quantities, usually amounts of acoustic or electric power, or for measuring the relative loudness of sounds.

Q6. Penguins are a group of aquatic flightless birds. They live almost exclusively in

(A) Southern hemisphere

(B) Northern hemisphere

(C) None of the above

(D) Both A & B are correct

A. (A) Southern Hemisphere

Penguins are only found in the Southern Hemisphere. The greatest concentrations are on Antarctic coasts and sub-Antarctic islands. The climate in the Northern Hemisphere is unlivable for penguins.

Q7. Which woman director wrote and directed “Manto” - 2018 Indian biographical drama film about the prominent Urdu author Saadat Hasan Manto?

- (A) Meera Nair (B) Deepa Mehta
(C) Nandita Das (D) Zoya Akhtar

A. (C) Nandita Das

Manto is a 2018 Indian Hindi-language biographical drama film based on the life of the prominent Urdu author Saadat Hasan Manto, written and directed by Nandita Das.

Q8. Which company does not belong to investment by Elon Musk?

- (A) Tesla (B) Deep Ocean
(C) SpaceX (D) The Boring Company

(B) Deep Ocean

Deep Ocean is a technology-driven, independent solution provider in the ocean space. They offer companies within oil and gas, offshore renewables, deep sea minerals, and other non-energy niches a full range of services – from surveys, engineering, project management, and installation to maintenance and recycling.

Q9. Which is the most recent Union territory?

- (A) Andaman and Nicobar Islands (B) Chandigarh
(C) Lakshadweep (D) Ladakh

(D) Ladakh

Currently, India has 8 union territories. The state of Jammu & Kashmir lost its statehood and it was converted into a separate union territory. Ladakh was carved out of Jammu & Kashmir and created as a separate union territory. This came into effect on 31st October 2019.

Q10. Which metals are used in the 10 rupees Indian coin in its outer & inner rings?

- (A) Nickel Brass inner ring & Nickel Silver outer ring
(B) Nickel Brass outer ring & Nickel Silver inner ring
(C) Only Nickel Brass in both rings
(D) Only Nickel Silver in both rings

A. (B)

Primarily introduced in the year 2005, these coins with separated metal rings were made to help differentiate between lower and higher denominations.

Q11. If BUT=PUT and MAT=CAT then COP=?

- (A) ROB
- (C) MOB

- (B) TAP
- (D) None of these

A. BUT= PUT

B=P

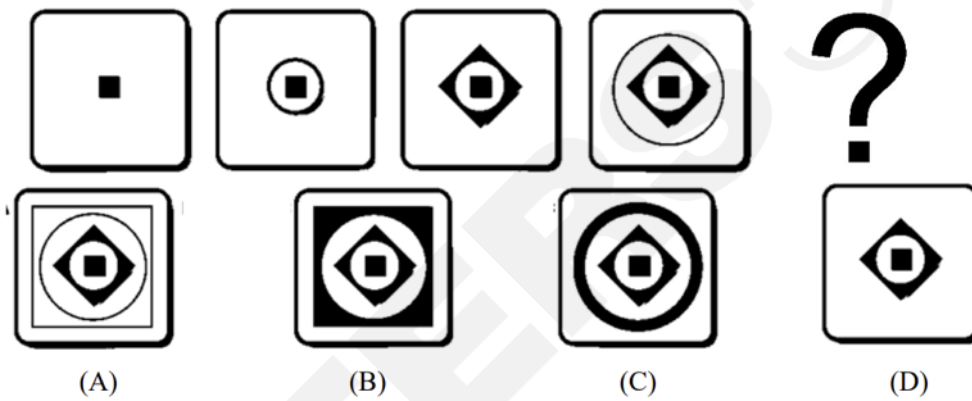
and, MAT= CAT

M=C

Therefore, COP= MOB

(C) MOB

Q12. Which box is next in the Sequence?



- A. The first box has a small square
 The second box adds a circle around a square
 The third box adds a diamond around the circle
 The fourth box adds a circle around a diamond
 The pattern alternates between adding circular and diamond shapes, increasing in size each time.
 The next box must include all shapes in a large square.
 Hence the correct option is (A)

Q13. Which of the following words have all letters that have the same mirror image?

- (A) TEAM
- (C) THAT

- (B) TOUR
- (D) THIS

B. (C)THAT

Q14. Which piece fits correctly from the template below without flipping?



A



B



C



D

A. (D)

Q15. Choose the box that is similar to the box formed by folding the given sheet of paper along the edge lines.



(1)



(2)



(3)



(4)

(A) 1 & 3 only
(C) 3 & 4 only

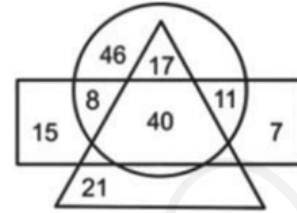
(B) 2 & 4 only
(D) 1 & 4 only

A. Since 4 can never be an option, the correct answer is (A) 1 & 3

Question Numbers 16 to 26 consist of 02 Marks each.

Q16. In the following figure, the circle represents artists, the triangle represents sculptors, and the rectangle represents girls. The number in the shape is the number of persons of that particular category. How many girls are artists but NOT sculptors?

- (A) 17
- (B) 19
- (C) 40
- (D) 22



- A. The number of girls is represented by the rectangle.
The triangle represents sculptors, and the circle represents artists.
The portion that represents girl artists = $8 + 11 = 19$
Hence the answer is (19)

Q17. If you remove 18 alternating colour squares from a chessboard, how many squares of alternating colours remain on the board?

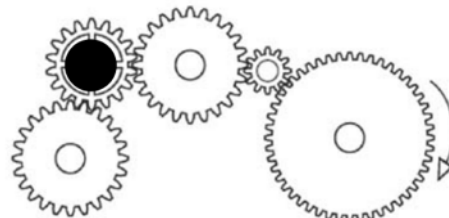
- (A) 44
- (B) 47
- (C) 39
- (D) 46

- A. A chessboard has 64 squares. If you divide it equally between black and white, there are 32 squares for each.
This means that removing 18 squares from any color leaves us with 14 of that color.
Considering black to be alternating, we will have $32 - 18 = 14$ squares.
The total alternating colors left will hence be $14 + 32$ (leftover white) = 46

The answer is, therefore, (D) 46

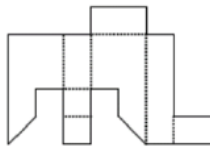
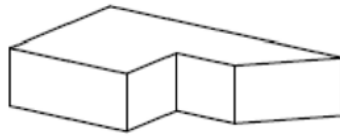
Q18. In which direction does the dark Gear rotate?

- (A) Clockwise
- (B) Counterclockwise
- (C) No rotation
- (D) All of the above

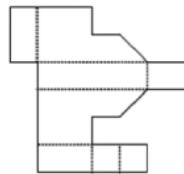


- A. (B) Counterclockwise

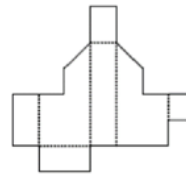
Q19. Which net when folded along with the dotted line, will give the shape of the 3D solid given below?



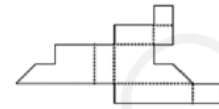
(A)



(B)



(C)



(D)

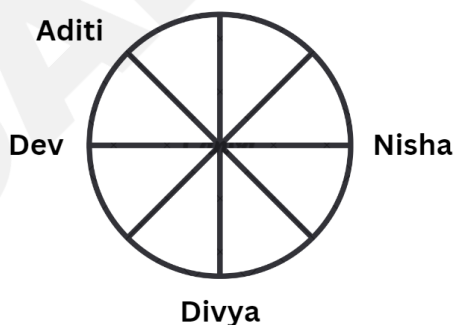
A. (B)

Q20. In a study circle, eight friends Rahul, Aarushi, Aditi, Nitin, Divya, Dev, Rohit and Nisha are seated around a circular table, facing the centre of the table, but not necessarily in this order. What is the order in which they are seated? Aditi is third to the left of Divya. Aarushi is an immediate neighbour of Divya. There are two people between Aditi and Nisha. Dev is sitting opposite Nisha. Nitin and Rohit are neighbours. Nitin and Rahul are sitting opposite each other. Who is sitting on the immediate right of Aditi?

- (A) Dev
- (C) Nitin

- (B) Rohit
- (D) Rahul

A. Requirement: Who sits on Aditi's immediate right?



Approach:

Based on the statements in the question, these are the seating arrangements.

Hence, the person sitting to the immediate right of Aditi is (A) Dev.

Directions (Questions 21 to 26): Read the following paragraph to answer these questions:

Everyone can - and does - design. We all design when we plan for something new to happen, whether that might be a new version of a recipe, a new arrangement of the living room furniture, or a new layout of a personal webpage. The evidence from different cultures around the world, and from designs created by children as well as by adults, suggests that everyone is capable of designing. So design thinking is something inherent within human cognition; it is a key part of what makes us human.

We human beings have a long history of design thinking, as evidenced in the artefacts of previous civilisations and in the continuing traditions of vernacular design and traditional craftwork. Everything that we have around us has been designed. Anything that isn't a simple, untouched piece of nature has been designed by someone. The quality of that design effort therefore profoundly affects our quality of life. The ability of designers to produce effective, efficient, imaginative and stimulating designs is therefore important to all of us.

To design things is normal for human beings, and 'design' has not always been regarded as something needing special abilities. Design ability used to be somehow a collective shared ability, and it is only in fairly recent times that the ability to design has become regarded as a kind of exceptional talent. In traditional, craft-based societies the conception, or 'designing', of artefacts is not really separate from making them; that is to say, there is usually no prior activity of drawing or modelling before the activity of making the artefact. For example, a potter will make a pot directly with the clay, and without first making any sketches or drawings of the pot. In modern, industrial societies, however, the activities of designing and of making artefacts are usually quite separate. The process of making something does not normally start before the process of designing it is complete.

(Source: Nigel Cross book "Thinking Design")

Q21. The author implies that design is not -

- | | |
|---------------------------------|--------------------------|
| (A) An outcome in every culture | (B) Specialised activity |
| (C) An everyday activity | (D) An ancient activity |

A. (B) Specialized activity

Q22. Which statement is false?

- (A) The importance of design can be determined by the fact that design has been an activity through the ages.
- (B) The importance of design can be determined by the fact that designers do it.
- (C) The importance of design can be determined by the fact that all things are designed.
- (D) The importance of design can be determined by the fact that it affects our quality of life.

A. (C)The importance of design can be determined by the fact that all things are designed.
This is false, as objects found in nature are not designed by anyone.

Q23. As a bottomline, the abilities of designers are eventually essential -

- | | |
|-------------------------------|-------------------------|
| (A) for the process of making | (B) to create artefacts |
| (C) to affect quality of life | (D) None of these |

A. (C)To affect quality of life

Q24. The process of designing is separate from the process of making, in
 (A) Modern societies (B) Vernacular societies
 (C) Craft-based societies (D) All these

A. Modern Societies

Q25. The passage is discussing -
 (A) Design as a way of life for humans (B) Design as collective shared abilities
 (C) Design surrounds us (D) All these





A.(D) All these

Q26. What is not designed by human beings.
 (A) Nature (B) Living rooms
 (C) Webpage (D) Recipe

(A) Nature

Question Number 27 consists of 03 Marks.

Q27. Match the visuals with its creator/architecture style.

1) 	(J) Gothic
2) 	(N) Japanese
3) 	(S) Indian
4) 	(G) Italian

(A) 1-S, 2-G, 3-N, 4-J
 (C) 1-S, 2-G, 3-J, 4-N

(B) 1-N, 2-S, 3-J, 4-G
 (D) 1-J, 2-S, 3-G, 4-N

A. (C)1-S, 2-G,3-J, 4-N

Q28. Modify the below given water tap considering the requirements for different users as mentioned below: **15 Marks**

- a) A six year old child
- b) An artist
- c) A visually impaired person

Draw the modified water tap for each of the users and write 3 points as to why you consider the modified idea of water tap suitable for them.

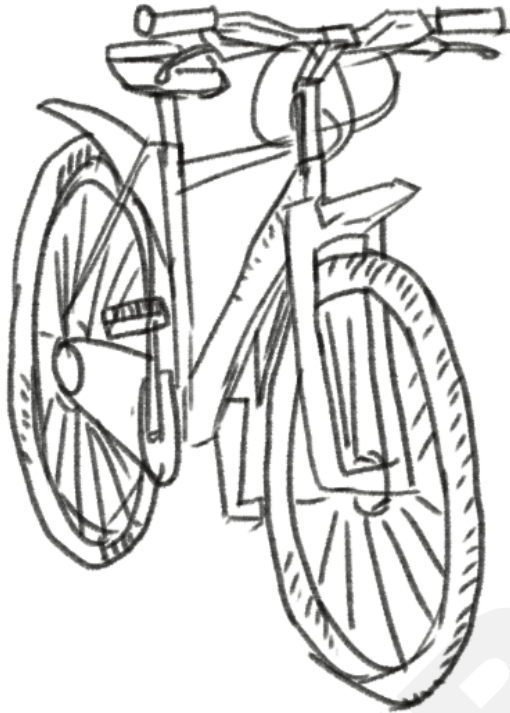


For example, For a blind person, an idea for a tap would be like this:

Why this would apply :

1. The design is made soft and smoother so as to be user-friendly to blind people.
2. It has a simple ergonomic design based on the existing multiple faucets, so it is easy to use and not complicated.
3. It includes blind-friendly, Braille scripts on the handle of the tap.

Q30. Draw a complete proportionate sketch of a bicycle referring to the parts given on the next page. **15 Marks**



Some more sample questions:

Q29. A fisherman and a kingfisher bird are having a heated argument by the bank of the river. In this context, develop and write a story of which the last line is already given to you. Also give a title to the story. **15 Marks**

A. Title of the story: _____

Story: _____

The kingfisher said, "After all, you are a human."

B. Visualise & draw the story scenario (based on Q 29) with the conversation in the three frames given below.

Approach: Students must practice drawing multiple body types and comical sketches that are quick sketches. For this question, it is not exactly possible to draw the human body or the bird quite anatomically perfect. It is hence important to sketch with respect to time constraints. Students can make a thumbnail sketch to understand the proportions and placement of characters and then begin sketching. Facial expressions, body types and proportion are the key aspects tested here.

Q31. Your friend has come to visit you. He is looking at you from the window outside your room as shown in the image given below. **15 Marks**

Visualize and draw what he is seeing from his point of view.



Approach: This is a purely perspective-driven sketch and it is important to begin sketching with proportion lines and perspective lines. Once that is made, students can focus on the negative space and then begin working from there.

Other Useful Resources

If you're preparing for design entrance exams like NID or NIFT, we've gathered lots of helpful stuff that can help you to prepare. Our guides, practice tests, and tips from experts are here to make you better at these tough design exams. We want to make sure you're ready to show off your creativity and skills on exam day.

Our eBooks include things like practice tests and tips to make your preparation easier. The comprehensive eBook series are as follows:

NID DAT BDes – A Complete Guide

Aspirants preparing for NID DAT 2025 exams can download this NID DAT BDes 2025 Complete Guide pdf which gives in-depth information about the entrance test including the list of courses offered by NID, exam pattern, seat matrix, section-wise analysis, preparation strategy, potential career opportunities after completing BDes from NID along with the comparison between the career opportunities after completing BDes from NID of NIFT and many more.

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