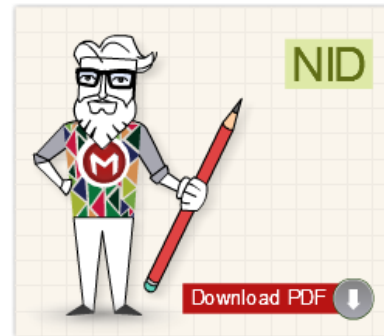


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NID M.Des DAT Prelims
Domain Specific Test - Industrial Design

Questions 1 to 6 are of subjective type. Do not write your name anywhere in the booklet. This will lead to disqualification.

Q1. In the boxes provided below, draw 5 different uses (other than its intended use) for **one** of the following objects: (10 marks)

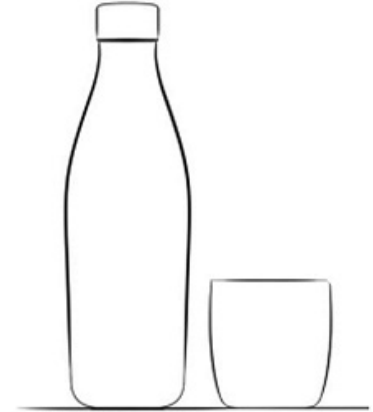
a) Bottle cap

b) Toothpick



Q2 a) Draw the 3D view of the image shown.

(5 marks)



Space for task a:

- b) Imagine that the object A shrinks to half its size and object B enlarges to twice its size
(A. Water bottle, B. Glass). (5 marks)

Draw them in 3D view.

Space for task b:

Q3. Imagine a person drinking a hot beverage from a mug. Depict through sketches 5 problems faced by the person during this task. Describe in words the problem depicted.

(10 marks)





- Q4. Give 2 original solutions that would help you wake up without the possibility of you falling back to sleep. (15 marks)

In the space provided below, sketch the 2 solutions you have proposed communicating how they achieve their goal.

Solution 1:

Solution 2:

- Q5. For an outdoor trek that you are planning, you need to carry the following objects: water bottle, sandwich, book, mobile phone, pair of shoes. Design a product to enable you to accommodate and carry all these items in it together. (25 marks)

In the spaces provided below –

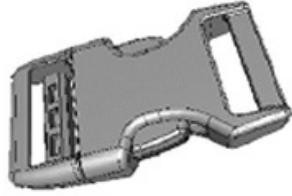

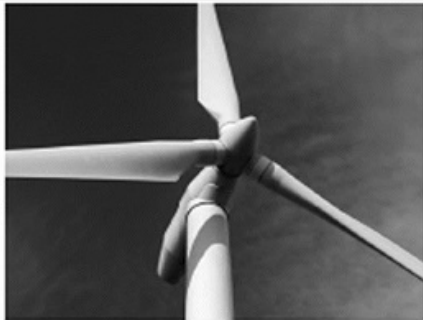

- A. Make a realistic drawing of the product you have designed, showing relevant details.
- B. Draw a realistic sketch of the product in use.



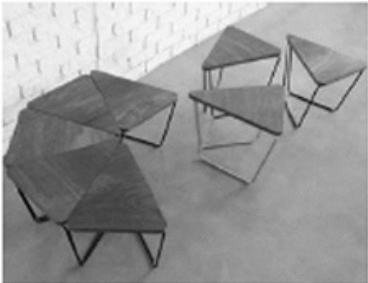


In your sketches indicate the product's main features with labels.

Space for task A:

Space for task B:

Q6. Associate entities in Column 2 with the correct entities in Column 1 by making entries in Column 3 following the example shown. (5 marks)

| Column 1 | Column 2 | Answer column |
|--|---|---------------|
| 1. (example) Taj Mahal | A.  | (example) B |
| 2.  | B. (example) Marble | |
| 3.  | C.  | |
| 4. Surgery | D. Modular | |
| 5. Eames | E. Motor skill development | |
| 6. Snap fit | F. Slip-casting | |

| Column 1 | Column 2 | Answer column |
|--|---|---------------|
| <p>7.</p>  | <p>I.</p>  | |
| <p>8. Bearing/Friction</p> | <p>H. Electricity</p> | |
| <p>9.</p>  | <p>J.</p>  | |
| <p>10.</p>  | <p>K. Graphene</p> | |

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