



## Entrance exam for Postgraduate Applicants

This entrance exam evaluates the applicant's potential to succeed in a professional master's degree program at Anant National University. The point values and recommended times for each question are provided. Answer all questions, leave no blanks. You may use pens, pencils, and colors that do not bleed through the page. You may *not* use smartphones or the internet. **The exam time limit is 60 minutes.**

Applicant's full name

Date of exam

Applicant's registration number

City

Email

Invigilator's name

Mobile number

Invigilator's signature

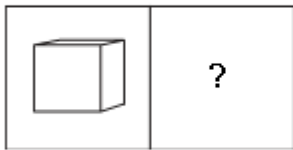
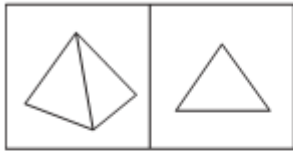
### OFFICIAL USE ONLY: EXAM EVALUATION

	Score	Evaluator	Signature
Logical Reasoning (20 pts)			
Comprehending Scenarios - Visual/Written (30 pts)			
<b>TOTAL</b>			

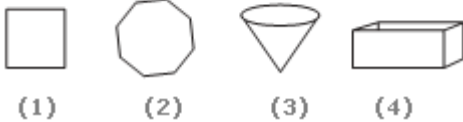
# LOGICAL REASONING (20 points) | 10 mins

(1) Find the correct option for the series.

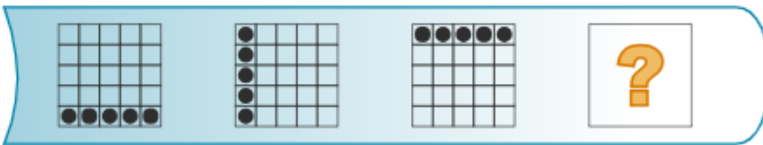
Choose the picture that would go in the empty box so that the two bottom pictures are related in the same way as the top two are related.



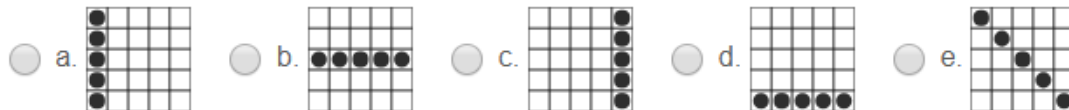
a



- A. 1
- B. 2
- C. 3
- D. 4



b



Statement: Unemployment allowance should be given to all unemployed Indian youth above 18 years of age.

Assumptions:

- I. There are unemployed youth in India who needs monetary support.
- II. The government has sufficient funds to provide allowance to all unemployed youth.

c

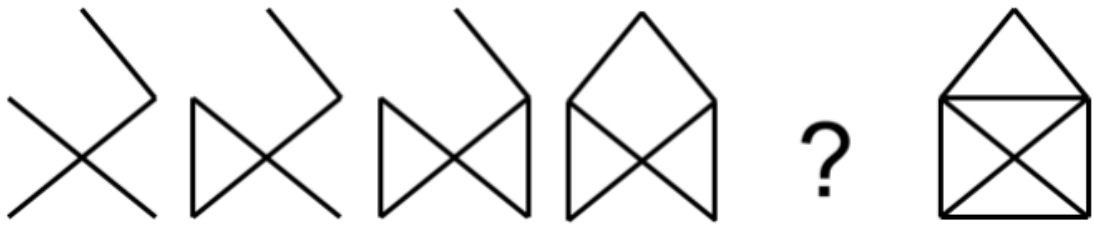
- A. Only assumption I is implicit
- B. Only assumption II is implicit
- C. Either I or II is implicit
- D. Neither I nor II is implicit
- E. Both I and II are implicit



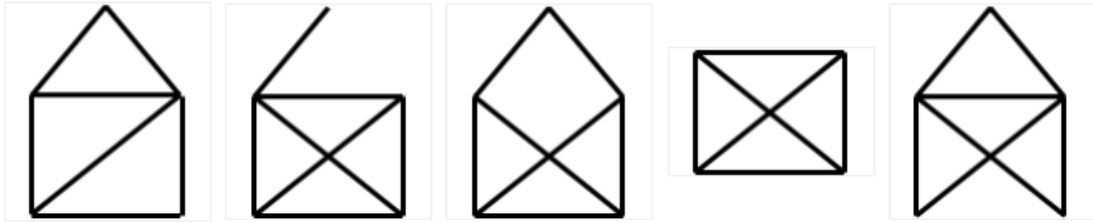
	<p>Carefully read the statements and provide the correct answer</p> <ul style="list-style-type: none"><li>- Bahubali scored more than Kattapa</li><li>- Kattapa scored more than Avantika, but less than Sivagami</li><li>- Sivagami scored less than Bhalla</li><li>- Devasena scored more than Bahubali but less than Bhalla</li></ul> <p><b>d</b> Who scored the highest?</p> <ul style="list-style-type: none"><li>a) Bahubali</li><li>b) Bhalla</li><li>c) Devasena</li><li>d) Kattapa</li></ul>
	<p>Five guest lectures have been organised for English, Maths, Hindi, Economics and Design for a class. Each of these subjects has different credits</p> <ul style="list-style-type: none"><li>- The lecture with the highest credit cannot be organised on Wednesday</li><li>- Guest faculty for Hindi is available only on Friday</li><li>- Economics should be taken immediately the next day after English</li><li>- Lectures starting with the same letter as the day of the week will be taken on the same day</li><li>- Design has the highest credit and the faculty is not available on Thursday</li></ul> <p>Q. Which lecture is scheduled on Thursday</p> <ul style="list-style-type: none"><li>a) English</li><li>b) Design</li><li>c) Economics</li><li>d) Maths</li></ul>
	<p>A person travels 30 m North, then heads 70m East from there. After reaching, he turned right and travelled 100m more and took a right turn again and travelled 70m. How far does he have to travel to reach his starting point and in which direction</p> <p><b>f</b></p> <ul style="list-style-type: none"><li>a) 100m Left</li><li>b) 100m Right</li><li>c) 70m Left</li><li>d) 70m Right</li></ul>
	<p>Sponge is to porous as rubber is to</p> <p><b>g</b></p> <ul style="list-style-type: none"><li>a) A. massive</li><li>b) B. solid</li><li>c) C. elastic</li><li>d) D. inflexible</li></ul>



Which of the shapes completes the sequence?



h



A

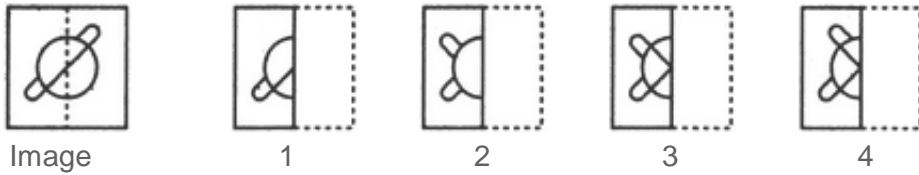
B

C

D

E

Find following image is drawn on the transparent sheet. What would be the final pattern that would appear when the sheet is folded along the dotted line.



i

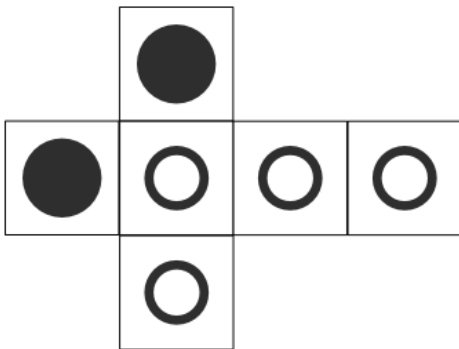
A. 1

B. 2

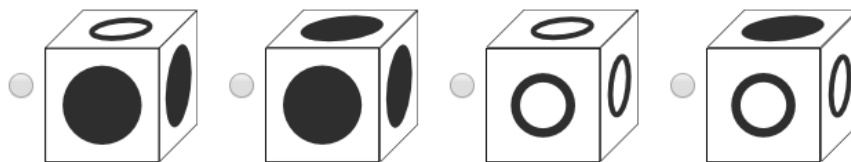
C. 3

D. 4

Which of the cube is not the resultant of the paper folding given below.



j



A

B

C

D



## COMPREHENDING SCENARIOS (30 points) | 50 mins

(2) Observe the picture below and identify the problems faced by users. Write a detailed note on the same. (15 points | 25 mins)



Applicant's registration number: \_\_\_\_\_

**(3)** Read the passage below and comprehend the problems faced by the user(s). Write a detailed note on the same. (15 points | 25 mins)

**MUD**

In most parts of India the monsoon is quite seasonal and commuters have come out with their own systems to cope with the change in the weather, for example keeping valubles and other personal belongings wrapped in waterproof plastic. Unfortunately this is not so convenient when one has to carry smart phones and other devices which are not easy to operate when wrapped in such a manner. Please suggest a product that commuters could use to carry their smartphones with them

**MIPD**

Mumbai, a reclaimed cluster of seven islands -- Colaba, Little Colaba, Isle of Bombay, Mazgaon, Parel, Worli and Mahim -- receives an average 2,386 mm of rainfall every year, waterlogging the low-lying parts of central Mumbai during heavy downpours. Till 2000, the city's drainage coped well with the rains, flushing out the water into the sea within hours. Unplanned development and the BMC's inefficiency in maintaining and upgrading the city's drainage in the past two decades have severely aggravated the waterlogging problem. On July 2, as life in Mumbai once again crashed to a halt under a monsoon battering

