

# MITID DAT (Design Aptitude Test)

## BDes\_16th April 2022

### PART A

#### Section A: Objective Questions (MCQs)

**Q1.** Arrange the magnitudes of the below measurements in order of low to high.

- A: 1 meter
- B: 105 centimetre
- C: 990 millimetre
- D: 0.2 kilometre

**Options:**

1. CABD
2. BCAD
3. DCAB
4. ACBD

**Q2.** Identify the country that does not share a common geographic border with Pakistan.

1. Kyrgyzstan
2. Tajikistan
3. Iran
4. Afghanistan

**Q3.** Match the following image with the appropriate graphics. (*Image-based*)



**Q4.** Identify the famous architect who designed Chandigarh city. *(Image-based)*



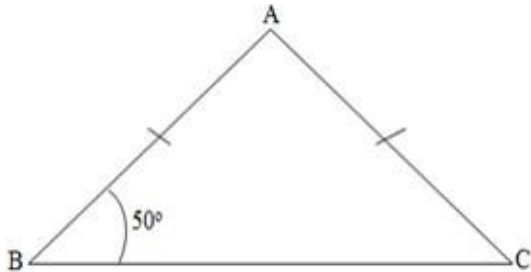
1. Le Corbusier
2. Ludwig Mies van der Rohe
3. Charles Eames
4. Charles Rennie Mackintosh

**Q5.** Below is the logo for an oil company. It belongs to: *(Image-based)*



1. Hindustan Petroleum
2. Bharat Petroleum
3. Indian Oil
4. Reliance Petroleum

**Q6.** In the given figure,  $AB = AC$  and  $\angle B = 50^\circ$ . Find  $\angle A$ . (*Image-based*)



1.  $50^\circ$
2.  $80^\circ$
3.  $100^\circ$
4.  $130^\circ$

**Q7.** Identify the famous Indian cartoon character. (*Image-based*)



1. Mowgli
2. Sabu
3. Chacha Chaudhary
4. Suppandi

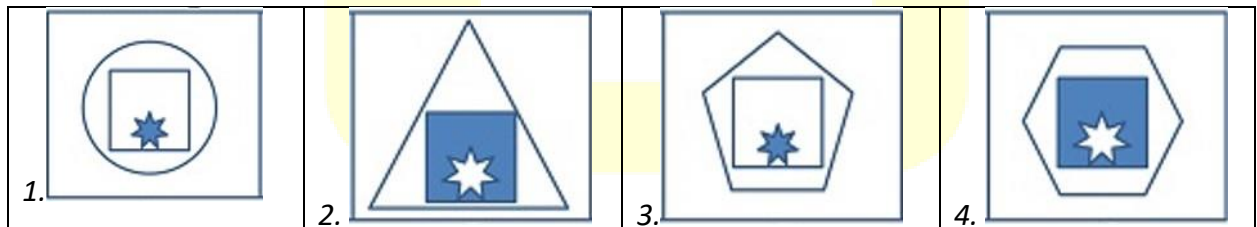
**Q8. Logical reasoning:**

Strawberries cost more than apple, strawberries cost less than mangoes. Mangoes cost more than apple and strawberries.

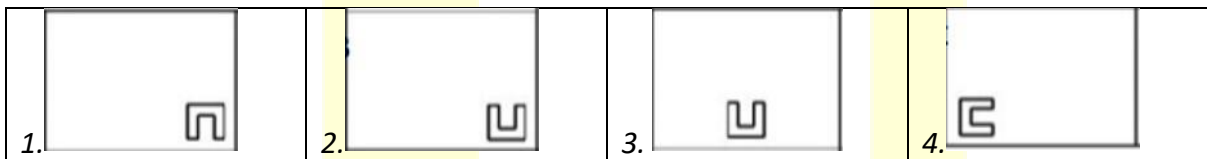
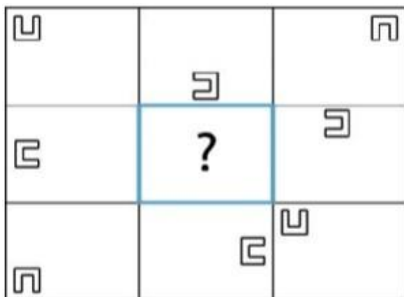
If the first two statements are true, the third statement is:

1. TRUE
2. FALSE
3. Uncertain
4. None of the above

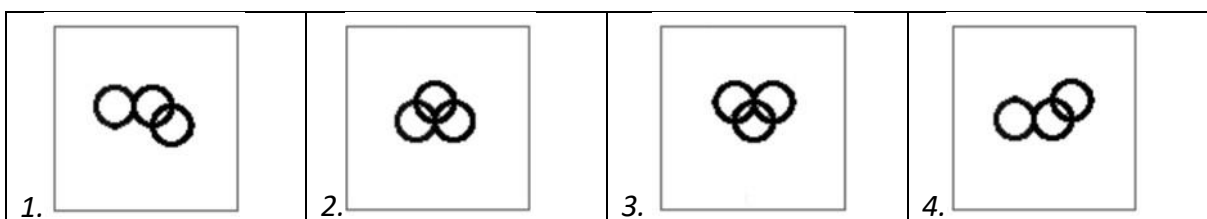
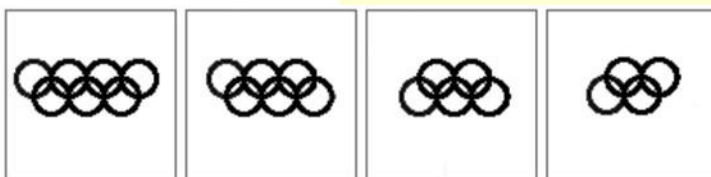
**Q9. What replaces the question mark? (Image-based)**



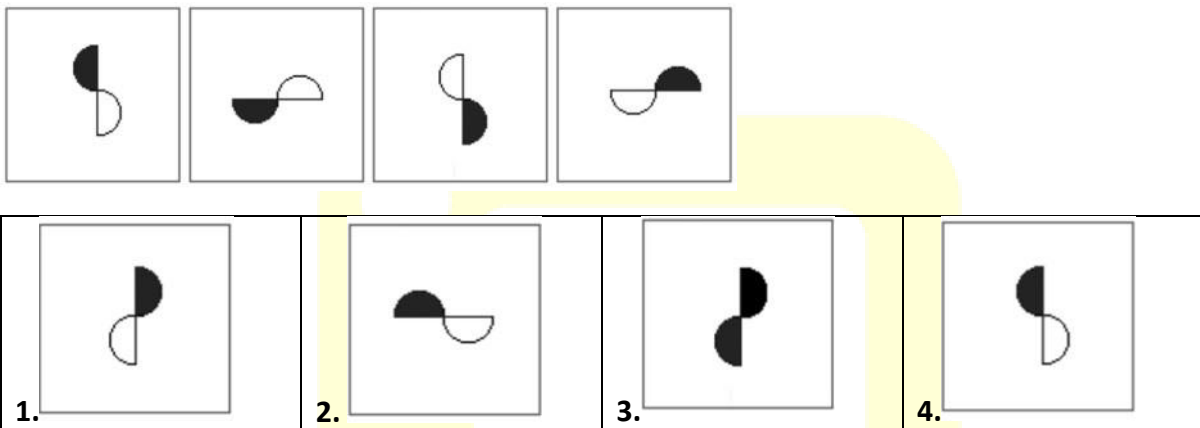
**Q10.** What replaces the question mark? (*Image-based*)



**Q11.** What is the next logical image in the sequence? (*Image-based*)



**Q12.** What is the next logical image in the sequence? (*Image-based*)



**Q13.** A family has a man, his wife, their four sons and their wives and one daughter. Each son has 3 sons and 1 daughter.

Find total number of female members.

1. 12
2. 8
3. 9
4. 10

**Q14.** Which statement is correct with respect to the food chain?

1. Every component forms a trophic level
2. Interrelation is called food web
3. Chains explain energy flow
4. All of the above

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**Q15.** Working principle of gas lighter is:

1. Piezo-electric effect
  2. Miezo-electric effect
  3. Thermo-electric effect
  4. Nano-electric effect
- 

**Q16.** Which of the following can sometimes be zero for a moving body?

- i. Average velocity
- ii. Distance travelled
- iii. Average speed
- iv. Displacement

1. (i) and (ii)
  2. Only (i)
  3. (i) and (iv)
  4. Only (iv)
- 

**Q17.** Radius of cylinder doubled, height same. Ratio of volumes?

1. 1:2
  2. 3:1
  3. 4:1
  4. 1:8
- 

**Q18.** Who wrote Sanskrit grammar?

1. Kalidasa
2. Charak

3. Panini
  4. Aryabhata
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### Section B: Comprehension (Based on Passage)

**Q19.** Read the following passage and select the appropriate answer from the options given below.

Let me put it more clearly, since no one will believe that a thirteen - year - old girl is completely alone in the world. And I'm not. I have loving parents - and a sixteen - year -old sister, and there are about thirty people I can call friends. I have a family, loving aunts and a good home.No, on the surface I seem to have everything, except my one true friend. All I think about when I'm with friends having a good time. I can't bring myself to talk about anything but ordinary everyday things. We don't seem to be able to get any closer, and that's the problem. May be it's my fault that we don't confide in each other. In any case, that's just how things are, and unfortunately, they're not liable to change. This is why I've started the diary.

Identify the correct option associated with the number 30.

Identify what '30' refers to:

1. Anne Frank
  2. Sister
  3. Loving Aunts
  4. Friends
- 

**Q20.** Read the following passage and select the appropriate answer from the options given below.

Let me put it more clearly, since no one will believe that a thirteen - year - old girl is completely alone in the world. And I'm not. I have loving parents - and a sixteen - year -old sister, and there are about thirty people I can call friends. I have a family, loving aunts and a good home.No, on the surface I seem to have everything, except my one true friend. All I think about when I'm with friends having a good time. I can't bring myself to talk about anything but ordinary everyday things. We don't seem to be able to get any closer, and that's the problem. May be it's my fault that we don't confide in each other. In any case, that's just how things are, and unfortunately, they're not liable to change. This is why I've started the diary.

Identify the odd one out in connection to the ideas expressed in the passage.

Identify the odd one out:

1. Loving aunts
  2. Good home
  3. Good communication
  4. Diary
- 

**Q21.** Read the following passage and select the appropriate answer from the options given below.

Let me put it more clearly, since no one will believe that a thirteen - year - old girl is completely alone in the world. And I'm not. I have loving parents - and a sixteen - year -old sister, and there are about thirty people I can call friends. I have a family, loving aunts and a good home.No, on the surface I seem to have everything, except my one true friend. All I think about when I'm with friends having a good time. I can't bring myself to talk about anything but ordinary everyday things. We don't seem to be able to get any closer, and that's the problem. May be it's my fault that we don't confide in each other. In any case, that's just how things are, and unfortunately, they're not liable to change. This is why I've started the diary.

Which of the following is closer in meaning to the term 'not liable to change'?

'Not liable to change' means:

1. Radiant
  2. Stagnant
  3. Dynamic
  4. Lively
- 

**Q22.** Read the following passage and select the appropriate answer from the options given below.

Let me put it more clearly, since no one will believe that a thirteen - year - old girl is completely alone in the world. And I'm not. I have loving parents - and a sixteen - year -old sister, and there are about thirty people I can call friends. I have a family, loving aunts and a good home.No, on the surface I seem to have everything, except my one true friend. All I think about when I'm with friends having a good time. I can't bring myself to talk about anything but ordinary everyday things. We don't seem to be able to get any closer, and that's the problem. May be it's my fault that we don't confide in each other. In any case, that's just how things are, and unfortunately, they're not liable to change. This is why I've started the diary.

'Which of the following statement is not true?

Which statement is NOT true?

1. Anne is alone
2. Anne has one true friend
3. Anne knows her faults
4. Anne writes a diary

**Correct Answer:** Anne has one true friend

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**Q23.** Read the following passage and select the appropriate answer from the options given below.

Let me put it more clearly, since no one will believe that a thirteen - year - old girl is completely alone in the world. And I'm not. I have loving parents - and a sixteen - year -old sister, and there are about thirty people I can call friends. I have a family, loving aunts and a good home.No, on the surface I seem to have everything, except my one true friend. All I think about when I'm with friends having a good time. I can't bring myself to talk about anything but ordinary everyday things. We don't seem to be able to get any closer, and that's the problem. May be it's my fault that we don't confide in each other. In any case, that's just how things are, and unfortunately, they're not liable to change. This is why I've started the diary.

Anne started the diary because:

1. She can't confide in anyone
  2. She can't talk to friends
  3. She is alone
  4. Things won't change
-

**Q24.** Which profession relates to this visiting card design?



1. Divorce Lawyer
2. Adhesive Company
3. Paper Craft business
4. Marriage consultancy

**Q25.** What do you see in the image? (*Image-based*)



1. Violence
2. Festival
3. Meeting

#### 4. Competition

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##### Section C: Subjective / Design Questions

**Q26.** Convert a 'tea pot' OR a 'Calendar' into a BADLY DESIGNED object.

Explain through sketches & description

Bad Design is an alternative thinking tool that allows participants to reverse or defy the conventional design process to arrive at a favourable output, often termed as good design.

Its characteristics:

The design is not self-explanatory.

The design could be wrong; this is possibly the worst. ...

The design is distracting. ...

The design is difficult to use. ...

The design is forgettable. ...

The design is short-lived.

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**Q27.** If you are given a comb, a few toothpicks & a packet containing a mixture of salt & paper.

How will you separate salt & paper with the help of a comb or toothpicks?

Explain through sketches & description

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**Q28.** Draw & suggest appropriate graphics & colour scheme/material for the mobile cover for the following user.

1. A Doctor - a neurologist
  2. A Policewoman - a lady police inspector
- 

**Q29.** Go through the script of a film scene describing a space -

The room was brightly lit by a large window and housed several modern pieces of electrical equipment, but the effect was softened by a drinks cabinet and a warm red carpet.

Illustrate the room in the given space of the answer book as per your perception. Colouring the scene is mandatory

