

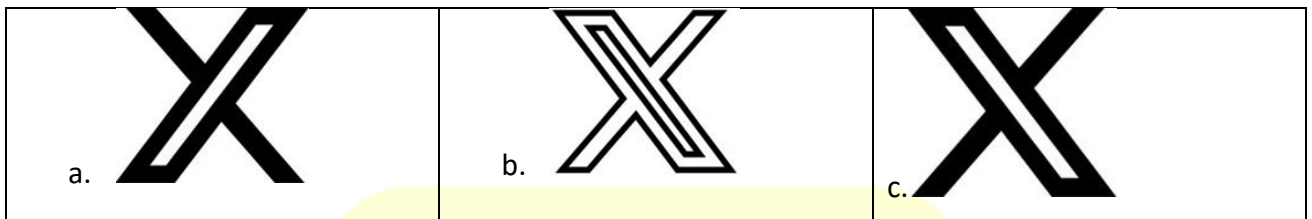
# MITID DAT (Design Aptitude Test)

BDes\_07th April 2024

## PART A

### Section A: General Awareness & Aptitude

Q1. Which of the following options is the correct logo of X Corp.?



- a) Option 1
- b) Option 2
- c) Option 3
- d) None of the above

Q2. What are the colours used in the identity of YouTube?

- a) Red
- b) White
- c) Black
- d) All of the Above

Q3. Madhubani art form is known by which other name?

- a) Bundeli
- b) Avadhi
- c) Jamini
- d) Mithila

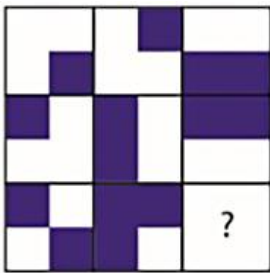
Q4. Which of the following iconic architectural landmarks were used to host gladiator fights?





- a) St. Peter's Basilica
- b) Colosseum
- c) Forum Romanum
- d) Dolomites

Q5. The famous Patang museum is located in which city?

- a) Surat, Gujarat
- b) Vadodara, Gujarat
- c) Ahmedabad, Gujarat
- d) Patan, Gujarat

Q6. What replaces the question mark?







<p>a.</p> 	<p>b.</p> 	<p>c.</p> 	<p>d.</p> 
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- a) Option 1
- b) Option 2
- c) Option 3
- d) Option 4

Q7. What replaces the question mark?

U	J	U
C	?	J
n	C	U

a. 	b. 	c. 	d. 
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- a) Option 1
- b) Option 2
- c) Option 3
- d) Option 4

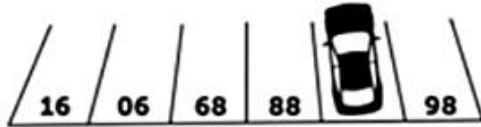
Q8. Here are some words translated from an artificial language:

- 'gorblflur' means fan belt
- 'pixngorbl' means ceiling fan
- 'arthtusl' means tile roof

Which word could mean "ceiling tile"?

- a) gorbltusl
- b) flurgorbl
- c) arthflur
- d) pixnarth

Q9. What is the number of the parking space containing the car?



- a) 79
- b) 87
- c) 92
- d) 95

Q10. Today is Monday. After 63 days, it will be

- a) Tuesday
- b) Monday
- c) Sunday
- d) Saturday

Q11. In a small village, two friends decide to measure the height of a flagpole. One friend stands 10 meters away and observes at  $60^\circ$ . Another sees it at  $30^\circ$ . What is the ratio of their distances?

- a) 1:2
- b) 2:01
- c) 1: $\sqrt{3}$
- d)  $\sqrt{3}$ :1

Q12. A cylindrical water tank has a radius of 3 meters and height 10 meters. What is the volume?

- a)  $90\pi$  cubic meters
- b)  $180\pi$  cubic meters
- c)  $270\pi$  cubic meters
- d)  $360\pi$  cubic meters

Q13. A concave mirror with focal length -15 cm forms an image when object is at 10 cm. What is the nature?

- a) Real and inverted
- b) Virtual and inverted
- c) Real and upright
- d) Virtual and upright

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Q14. Salt dissolves in water but sand does not. What type of mixture is it?

- a) Homogeneous
  - b) Heterogeneous
  - c) Compound
  - d) Pure substance
- 

Q15. What are Major functions of kidney:

1. Maintains pH
2. Reabsorption
3. Transport oxygen
4. Removes excess fluid

- a) Only 1 and 2
  - b) Only 2 and 3
  - c) Only 1, 2 and 4
  - d) All
- 

Q16. Which is NOT sustainable use?

- a) Recycling
  - b) Reproducing
  - c) Reducing
  - d) Reusing
- 

Q17. Blood transfusion for A group:

- a) A and O
  - b) A only
  - c) O only
  - d) AB only
- 

Q18. Sentence completion:

\_\_\_ this country is expanding, we offer competitive pricing \_\_\_ maintaining quality

- a) Because / and
  - b) Owing to the fact that / while
  - c) Although / we are
  - d) It is no wonder / at the same time
-

Q19. Convert to reported speech:

Natasha said, "We went on a summer trip."

- a) They went
  - b) They were
  - c) They had gone
  - d) They went
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## Section B: Comprehension & Design Awareness

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Q20. Read the following passage:

Only 20 years ago, India had plenty of vultures—flocks so enormous they darkened the skies. But by 1999, their numbers had dropped due to a mysterious kidney ailment. By 2008, 99.9 per cent of India's vultures were gone. It was finally discovered that they had been killed by a drug called diclofenac (a pain reliever along the lines of aspirin or ibuprofen).

Indians revere their cows, and when a cow showed signs of pain, they treated it with diclofenac. After the animal died, the vultures would eat the corpse. And though they boast perhaps the world's most efficient digestive system, vultures cannot digest the drug

India banned the use of diclofenac for veterinary use in 2006, but it's still widely used. The near-extinction of vultures has caused disease in the country, as rats and dogs moved in to take their place—spreading pathogens that would have otherwise been destroyed by the vultures

Vultures need large ranges to scan for food and undisturbed areas in which to nest. They also need an abundance of prey species since they rely more on chance than their own hunting skills to eat. All of these things have been reduced by human activity. Meanwhile, there is a dramatic increase in secondary poisoning. Vultures feed on carcasses laced with poison, intended to kill jackals or other predatory carnivores. Or they are poisoned by the lead in animals left behind by hunters.

What was the primary cause of the decline in vulture populations in India?

- a) Overhunting
  - b) Disease
  - c) Habitat loss
  - d) Poisoning
-

Q21. Read the following passage:

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Why were vultures unable to digest the drug diclofenac?

- a) Weak digestion
- b) Kidney failure
- c) Lack of enzymes
- d) Paralysis

Q22. Read the following passage:

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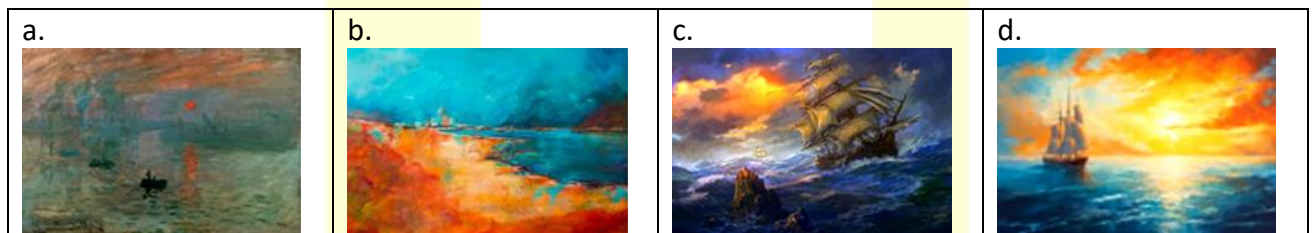
What was the primary cause of the decline in vulture populations in India?

Another cause-related question

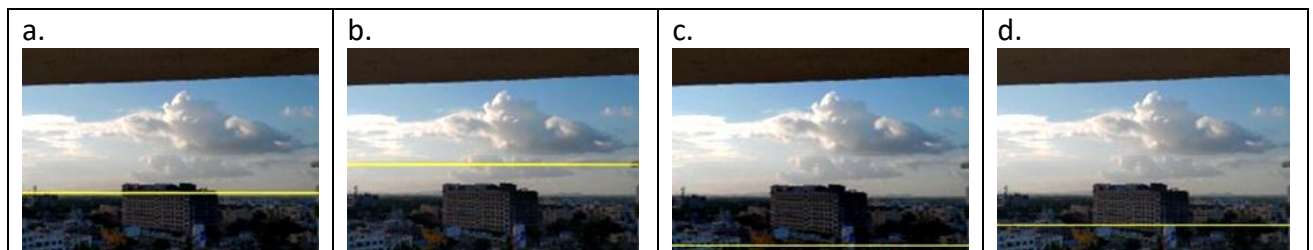
- a) Disease spread by animals
- b) Agriculture decline
- c) Pollution
- d) Predators

Q23. Select the Painting that best fits the description in the following Paragraph:

"The painting shows a hazy background of the port of Le Havre with dark vessels and smaller boats in the foreground. The orange and yellow hues contrast with the dark vessels. The artist has used separate brushstrokes to create a candid work with sparkling colours on the sea."



Q24. This is aerial view of a landscape. Identify the eyelevel in this image



Q25. There is light through crack in this sculpture. How will you interpret this sculpture pose, mood and concept?



- a) Inspiring
- b) Out of control
- c) Enlightenment
- d) Disturbing

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### Section C: Design & Creative Ability

Q26. Amidst a sizable population, especially young individuals relocating for education and work, environmental awareness is high. However, their access to renewable energy, like solar power, is hindered due to rental living and frequent apartment changes. The second problem is that the smaller apartments may not have balcony or an area which receives sunlight continually.

Can you design a portable, plug-and-play solar generator tailored for young renters that could address this challenge?

Be as creative as you can. Explain your concept through sketches drawn with a pen (pencil drawings will not be accepted). Use as little text as possible.

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Q27. Brushing Guide for Toddlers: This instructional guide easy steps for teaching toddlers to brush their teeth. With colourful illustrations and simple instructions, children learn to apply toothpaste, brush gently in circles, and rinse.

In the provided answer sheet, use six frames to create simple pictures illustrating how to brush teeth step by step.

You can use only pen, colour pencils to work on the same.

You can use up to six frames to demonstrate the task.

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Q28. Please take a close look at the illustration given below.



An everyday object has been creatively converted to other object through illustration.

You'll find 5 pictures on your answer sheet. Use your imagination and creatively transform each object to functional kitchenware.

Draw in a given space as similar to shown in the above reference image

Q29. Excerpt from "The Blue Umbrella" by Ruskin Bond:

The rains set in, and the sun only made brief appearances. The hills turned a lush green. Ferns sprang up on walls and tree trunks. Giant lilies reared up like leopards from the tall grass. A white mist coiled and uncoiled as it floated up from the valley. It was a beautiful season, except for the leeches.

Every day, Binya came home with a couple of leeches fastened to the flesh of her bare legs. They fell off by themselves just as soon as they'd had their thimbleful of blood, but you didn't know they were on you until they fell off; and then, later, the skin became very sore and itchy. Some of the older people still believed that to be bled by leeches was a remedy for various ailments. Whenever Ram Bharosa had a headache, he applied a leech to his throbbing temple.

On the answer sheet provided to you, create a visual representation of the above lines in one single image that encapsulates the genre and the atmosphere of the paragraph.

You can use only a pen, colour pencils to work on the same.

(pencil drawings will not be accepted)