


**B.Des.**

**DAT Prelims**

**Sample Test Paper**

**Part-I**



**Question Numbers 1 to 15 consist of 01 Mark each.**

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

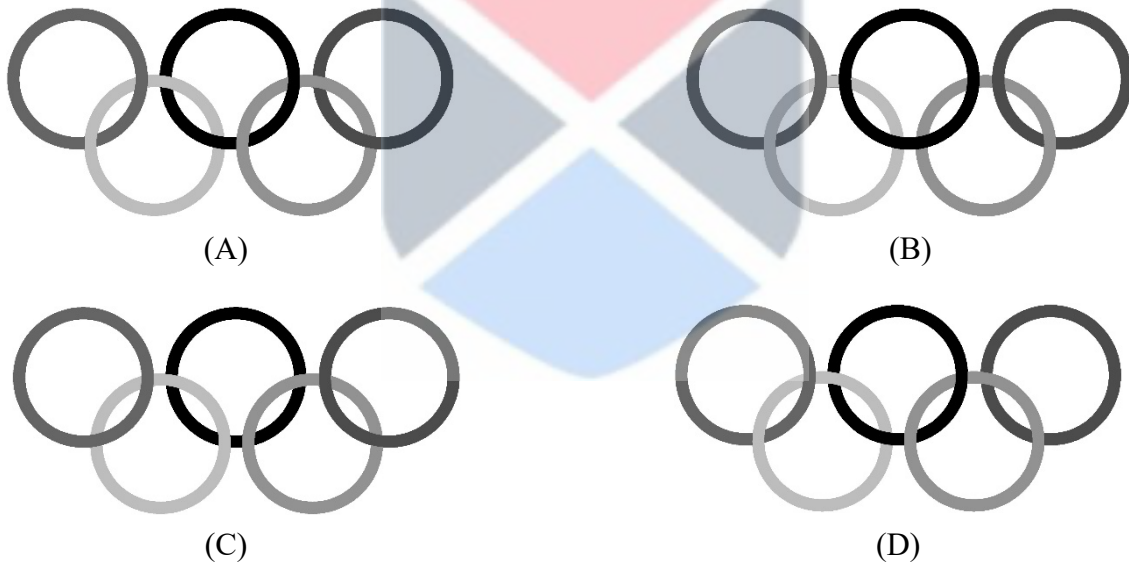
Q2. How many hours difference is there between India IST and Greenwich meantime?

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

Q3. What is the abbreviation of UPI?

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

Q4. Which is the correct Logo of the Olympics?



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

- (A) Pascal (B) Decibel  
(C) Hertz (D) All of these

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

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

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

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

Q9. Which is the most recent Union territory?

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

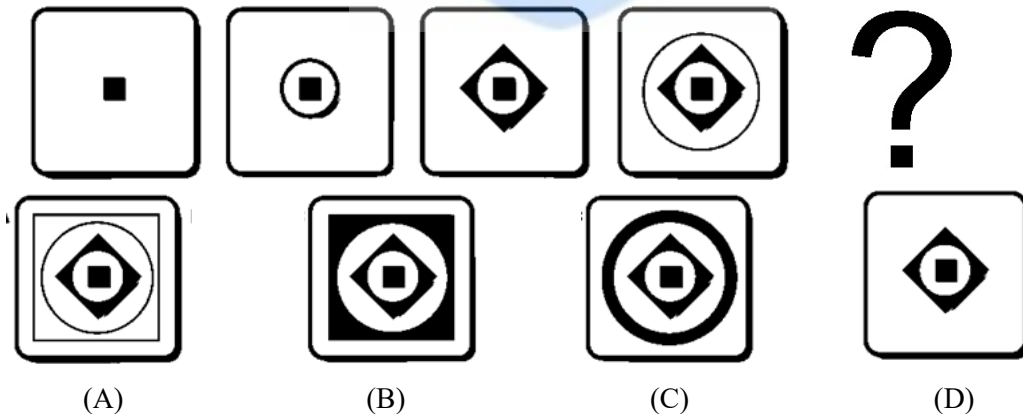
Q10. Which metals are used in the 10 rupees Indian coin in its outer & inner rings?

- (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

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

- (A) ROB
- (B) TAP
- (C) MOB
- (D) None of these

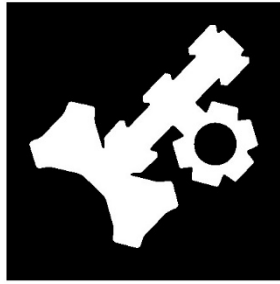
Q12. Which box is next in the Sequence?



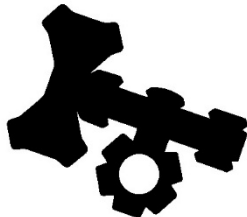
Q13. Which of the following words have all letters that have the same mirror image?

- (A) TEAM
- (B) TOUR
- (C) THAT
- (D) THIS

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



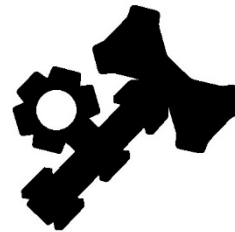
A



B

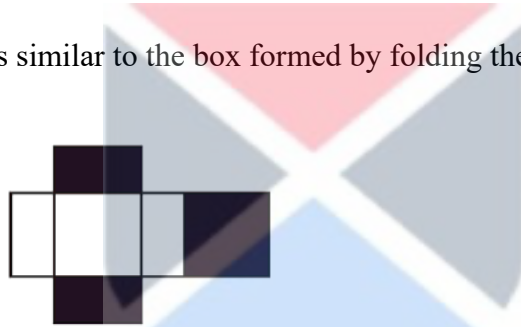


C



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

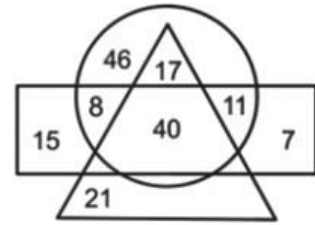
(B) 2 & 4 only

(D) 1 & 4 only

**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

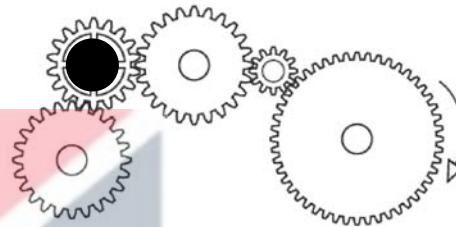


Q17. If you remove 18 alternating colour squares from a chessboard, how many squares of alternating colours remain on the board?

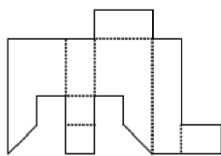
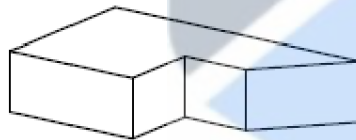
- (A) 44
- (B) 47
- (C) 39
- (D) 46

Q18. In which direction does the dark Gear rotate?

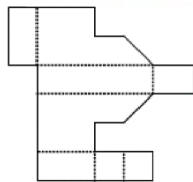
- (A) Clockwise
- (B) Counterclockwise
- (C) No rotation
- (D) All of the above



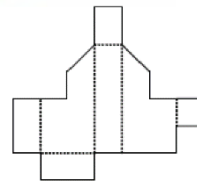
Q19. Which net when folded along with the dotted line, will give the shape of the 3D solid given below?



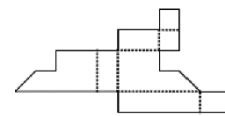
(A)



(B)



(C)



(D)

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
- (B) Rohit
- (C) Nitin
- (D) Rahul

**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

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.


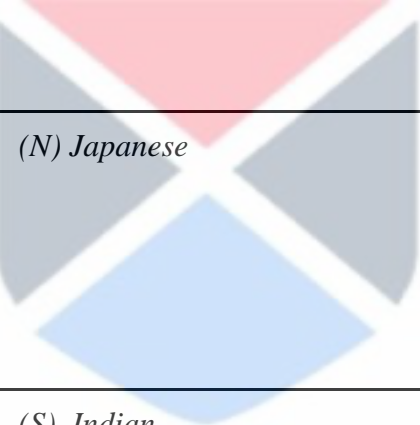



Q23. As a bottomline, the abilities of designers are eventually essential -

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

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

**Question Number 27 consists of 03 Marks.**

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

<p>1)</p> 	<p>(J) Gothic</p> 
<p>2)</p> 	<p>(N) Japanese</p>
<p>3)</p> 	<p>(S) Indian</p>
<p>4)</p> 	<p>(G) Italian</p>

- (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

## Space for Rough Work





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**B.Des.**

**DAT Prelims**

**Sample Test Paper**

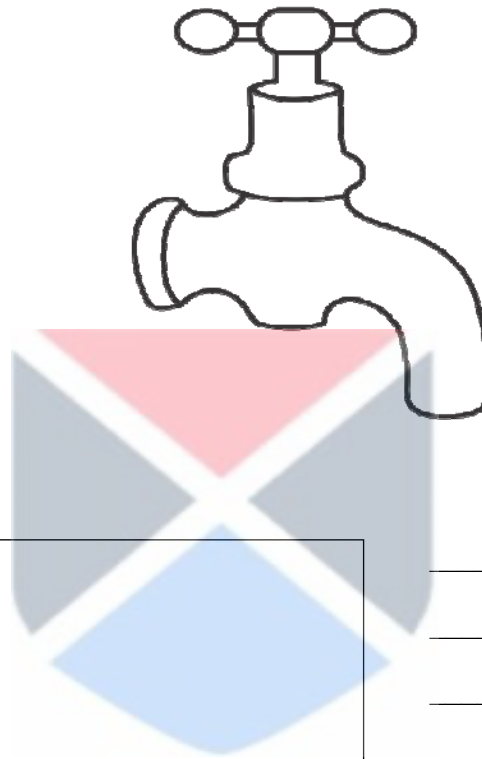
**Part-II**



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.



a) For a six year old child

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b) For an artist



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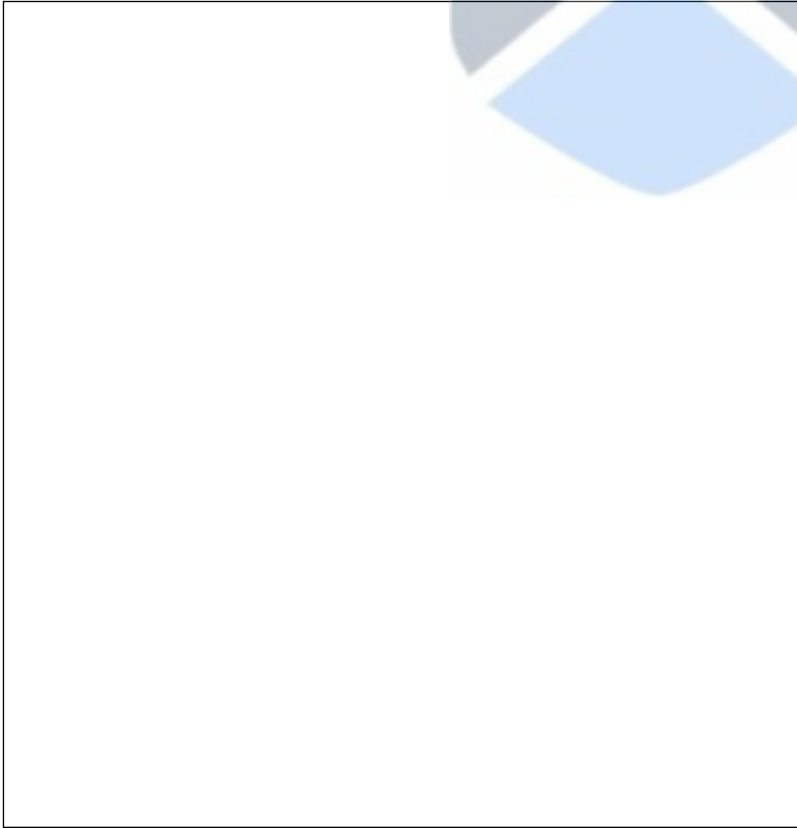
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c) For a visually impaired person



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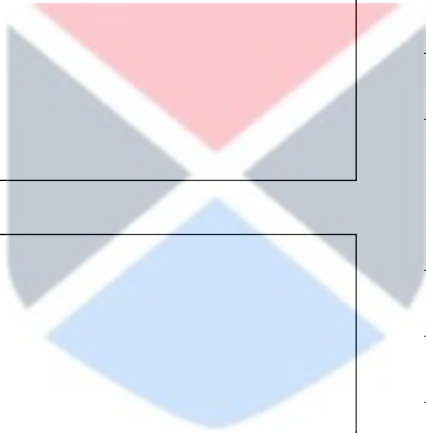
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Q29. A fisherman and a kingfisher bird are having a heated argument by the bank of the river. In this context, develop and write a story of which the last line is already given to you. Also give a title to the story. **15 Marks**

A. Title of the story: \_\_\_\_\_

Story: \_\_\_\_\_

\_\_\_\_\_

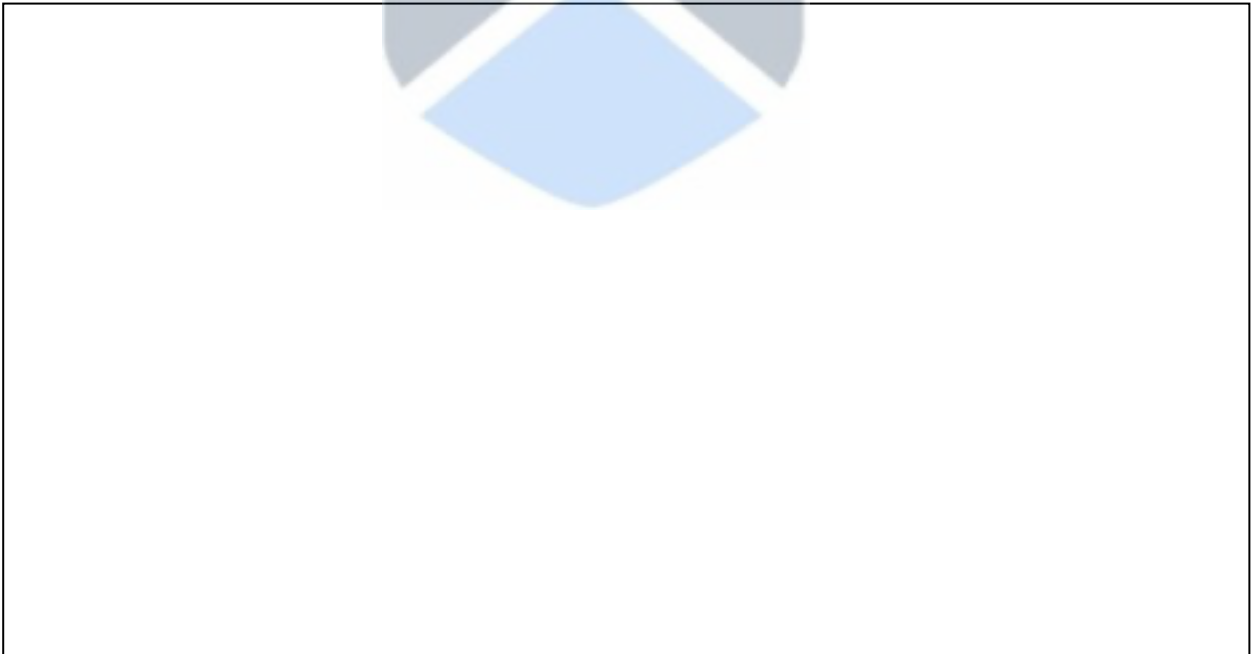
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\_\_\_\_\_.

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.





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





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.





## Space for Rough Work



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