B.Des.

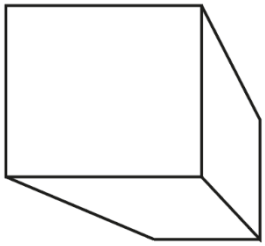
DAT Prelims

Sample Test Paper

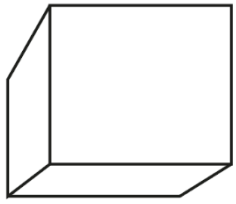
2025

Question Numbers 01 to 15 consist of 01 Mark each.

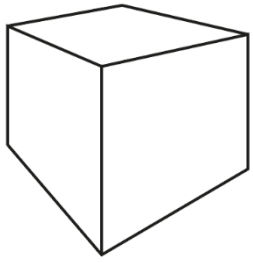
Q1) Find the odd one out?



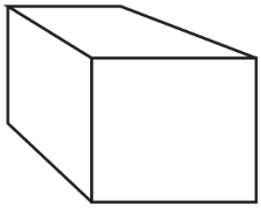
(A)



(B)



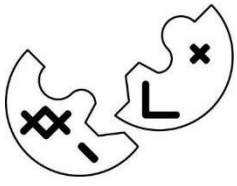
(C)



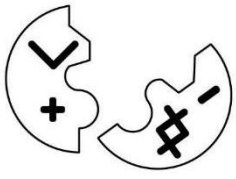
(D)

Q2) Shown in the drawing below (Fig.01) is a set of two units that completes a puzzle. Find the same pair from the options below.

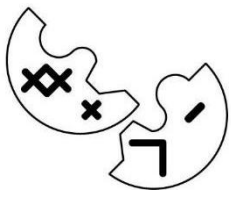
Fig. 01



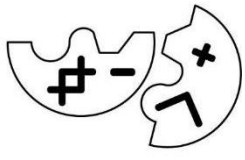
(A)



(B)



(C)



(D)

Q3) The main reason why national parks and sanctuaries are being promoted over zoos is:-

(A) allows visitors to roam in the forest
(B) allows animals to be in their natural habitat
(C) allows restriction for the predators
(D) allows for eco tourism to flourish

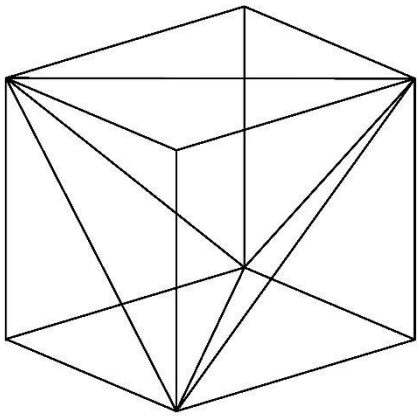
Q4) Observe the 'symbol' which is a part of a logo. Which organization does this symbol/logo belong to?

(A) Central Vigilance Commission
(B) Fishery Management of India
(C) National Fishery Management
(D) National Vigilance Commission

Q5) Given below are 4 options of time, as shown in an analogue clock with minutes and hours hand. Identify the option in which the relationship between the minute and hour hand is different from the rest.

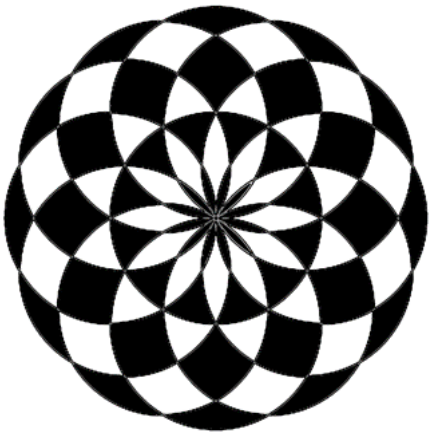
(A) 3:16
(B) 10:15
(C) 4:22
(D) 12:00

Q6) How many equilateral triangles can you find in the 3- dimensional figure shown below?



(A) 9
(B) 8
(C) 5
(D) 4

Q7) How many Circles are required to make the given pattern?



(A) 13
(B) 15
(C) 12
(D) 17

Q8) Which international agreement aims to combat climate change?

(A) Kyoto Protocol
(B) Paris Agreement
(C) Geneva Convention
(D) Montreal Protocol

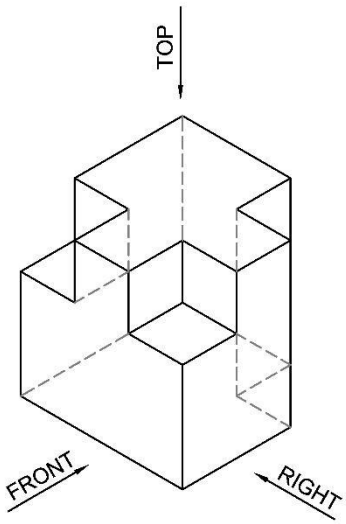
Q9) Which material was not used in making and decorating the musical instrument “Sitar”?

(A) Wood
(B) Leather
(C) Pumpkin/Gourd
(D) Bone

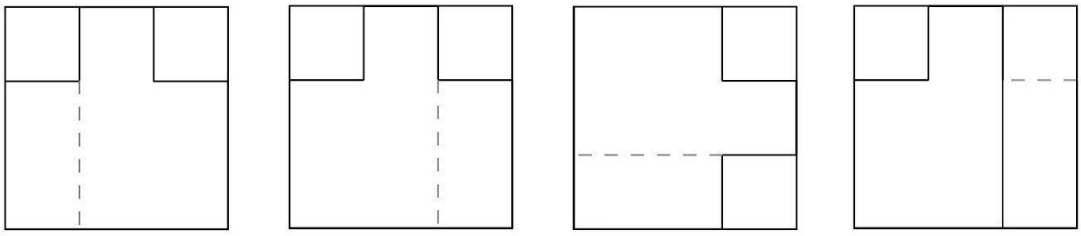
Q10) Identify The logo:

(A) Accessible India Campaign
(B) Department of Empowerment of Persons with Disabilities
(C) Ministry of Social Justice and Empowerment
(D) Divyangjan Empowerment Initiative

Q11) Given below is an image of a cube (Fig.01). What will the face, marked by an arrow pointing towards the front face look like?



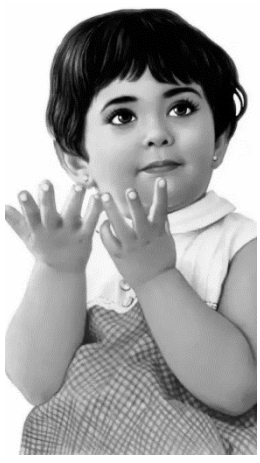
(Fig.01)



(A) (B) (C) (D)

Q12) Below are 4 Indian brand mascots, which of these represents a brand of washing powder?

(A)



(B)

(C)

(D)

Q13) Identify the beak of a pigeon.

(A) (B) (C) (D)

Q14) What is referred to as green revolution in India?

(A) The period after liberalization when economy rose
(B) The period when honey and horticulture rose on India
(C) The period of development of high yielding plant varieties
(D) The period of development of milk cooperatives

Q15) What is common between common salt and silica gel.

(A) Amorphous (B) Precipitous
(C) Hygroscopic (D) Gelatinous

Question Numbers 16 to 20 consist of 02 Marks each.

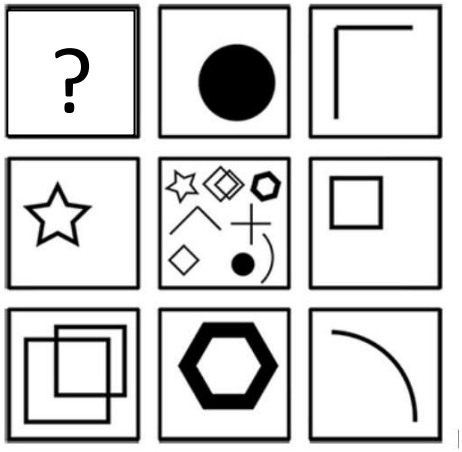
Q16) Identify the road signs in the order as shown in the image.

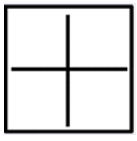
(A) Uneven Road, No Entry, Intersection, Speed limit, Narrow Road
(B) Speed Breaker, Prohibited Road, T Section, Height Limit, Bridge
(C) Speed Breaker, No Entry, Intersection, Height Limit, Narrow Road
(D) Uneven Road, Prohibited Road, Intersection, Speed Limit, Bridge

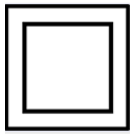
Q17) Following the relational equation given below, choose the same relational equation from the given options:- "*Blue-Violet / Blue / Blue-Green*"

(A) Orange-Red / Orange / Yellow-Orange (B) Red-Violet / Red / Red-Orange
(C) Green / Blue-Green / Yellow-Green (D) Blue / Yellow / Red

Q18) Carefully observe the block. The block with question mark needs to be replaced with one of the blocks given below. Choose the block which will fit correctly.




(A)


(B)

(C)

(D)

Q19) Which cube can be made from the given 2D shape (Fig. 01)?

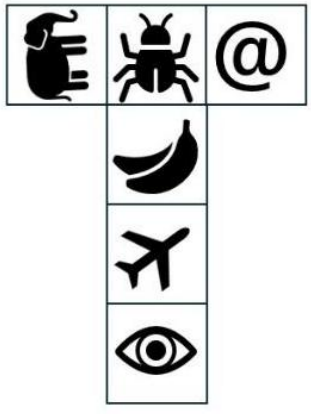


Fig.01

(A)

(B)

(C)

(D)

Q20) Which of the following is the correct logo of ICICI Bank?

(A) (B) (C) (D)

Q21) Rajiv and Sudip are neighbours and share the same wall. Rajiv has a big neem tree in his yard which provides shade to a portion of Sudip's garden. Whenever the tree sheds leaves, Sudip feels the burden of having to clear his garden as well. Due to this Sudip has argued with Rajiv to cut down the tree so that he does not have to clear the fallen leaves anymore. Rajiv refuses to do so.

How can you resolve this issue through 4 distinct ideas? Provide your ideas through illustration supported by text in the given space. **(20 marks)**

1)

_____

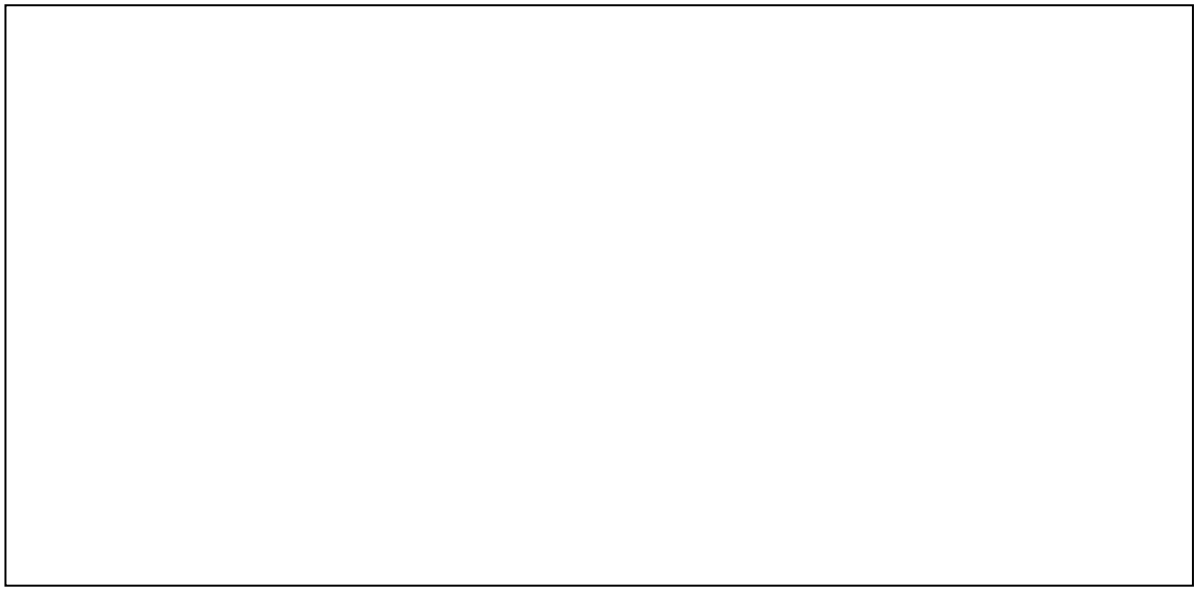
_____

2)

_____

_____

3)



_____

_____

4)

_____

_____

Q22) A thirsty crow is eyeing juices in a juice shop, which is located in a market.

22A) Imagine you are the crow. Draw this juice shop in the box given below. Feel free to add as many as elements in your view. **(10 marks)**

22B) In the given box, make a poster of crows demanding their right to drink juices from juice shops. You may use colour. **(10 marks)**

.

Q23) Below is the image of a sink near the train washroom. **(10 marks)**

List down 5 different categories of user groups. The user groups can be categorized by age groups, physical abilities etc.

Describe the challenges that they will face while using the sink in the moving train.

(A) User group 01_____

Challenge faced by them_____

_____

_____

(B) User group 02_____

Challenge faced by them_____

_____

_____

(C) User group 03_____

Challenge faced by them_____

_____

_____

(D) User group 04_____

Challenge faced by them_____

_____

_____

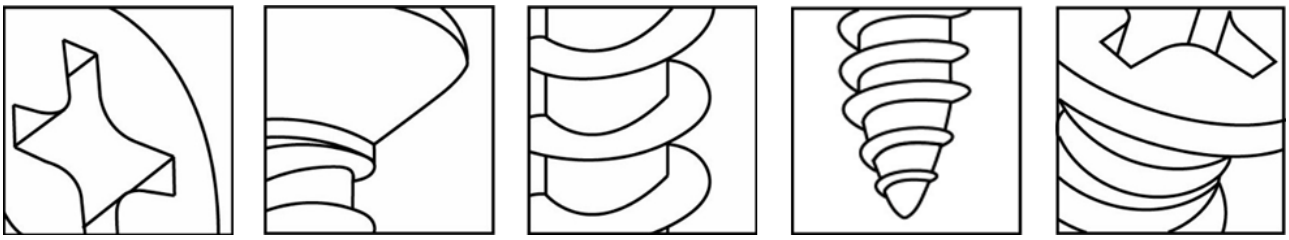
(E) User group 05_____

Challenge faced by them_____

_____

_____

Q24) A set of five images has been provided below.



(1) (2) (3) (4) (5)

24A) Draw a sketch of the complete object that is represented in these images. The drawings should be in proportion to a human hand. **(05 marks)**

24B) Choose any one frame from Q 24 which you think could independently represent an alternate object and draw the object in the frame provided below. **(05 marks)**

Frame No:_____ Object Represented:_____

Q25) Read the following text and answer the questions based on it:

PHILOSOPHER: Then let me ask you this. Why do you think you want to be like Y? I guess you just want to be a different person, whether it's Y or someone else. But what is the goal of that?

YOUTH: You're talking about goals again? As I said earlier, it's just that I admire him and I think I'd be happier if I were like him.

PHILOSOPHER: You think you'd be happier if you were like him. Which means that you are not happy now, right?

YOUTH: What!

PHILOSOPHER: Right now, you are unable to feel really happy. This is because you have not learned to love yourself. And to try to love yourself, you are wishing to be reborn as a different person. You're hoping to become like Y, and throw away who you are now. Correct?

YOUTH: Yes, I guess that's right! Let's face it: I hate myself! I, the one who's doing this playing around with old-fashioned philosophical discourse, and who just can't help doing this sort of thing—yes, I really hate myself.

PHILOSOPHER: That's all right. If you were to ask around for people who say they like themselves, you'd be hard pressed to find someone who'd puff up their chest with pride and say, 'Yes, I like myself.'

YOUTH: How about you? Do you like yourself?

PHILOSOPHER: At the very least, I do not think I would like to be a different person and I accept who I am.

YOUTH: You accept who you are?

PHILOSOPHER: Look, no matter how much you want to be Y, you cannot be reborn as him. You are not Y. It's okay for you to be you. However, I am not saying it's fine to be 'just as you are'. If you are unable to really feel happy, then it's clear that things aren't right just as they are. You've got to put one foot in front of the other, and not stop.

YOUTH: That's a harsh way of putting it, but I get your point. It's clear that I'm not right just the way I am. I've got to move forward.

PHILOSOPHER: To quote Adler again: 'The important thing is not what one is born with, but what use one makes of that equipment.' You want to be Y or someone else because you are utterly focused on what you were born with. Instead, you've got to focus on what you can make of <u>your equipment</u>.

*(*Koga, Fumitake and Ichiro Kishimi. *The Courage to be Disliked*. pp 36-38)

25A) Which of the following is reflected from the excerpt above? **(1.5 marks)**

1) Disliking yourself and making all efforts to change your personality
2) Accepting yourself and loving yourself
3) Being like Y and adapting to his personality
4) None of the above

Ans:_____

25B) What is the category of the book? **(1.5 marks)**

1) Science fiction
2) Biography
3) Psychology and Self Help
4) Humor

Ans:_____

25C) Imagine a game based on the text given (you may take inspiration from snakes & ladders or ludo or any other). The game could be about achieving various levels of happiness {e.g. liking yourself the way you are, being like someone else, finding your 'equipment (own tool of happiness)' } or any other theme from the text given.

In the frame given below, sketch the game and mention number of players. In the lines provided on the next page, write rules for play, scoring and losing, in maximum 6 points. **(12 marks)**

1._____

_____

2._____

_____

3._____

_____

4._____

_____

5._____

_____

6._____

_____

DO NOT WRITE OR DRAW ANYTHING HERE

B.Des.

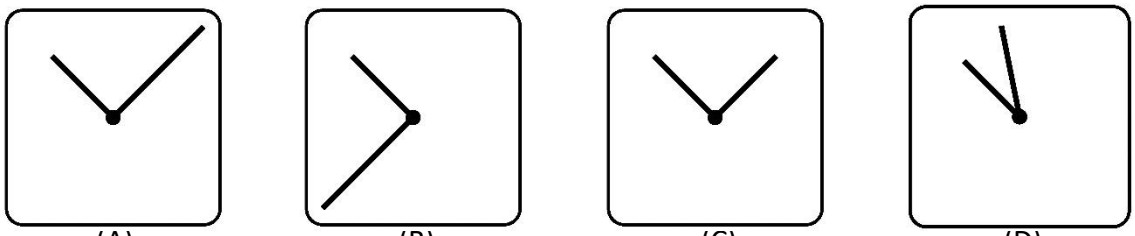
DAT Prelims

Sample Test Paper

2024

Question Numbers 01 to 13 consist of 01 Mark each

Q1) Which one of the wall clocks below has the most functional design?



(A) (B) (C) (D)

Q2) How many wings does a dragonfly have?

(A) 8 (B) 6 (C) 4 (D) 2

Q3) Which of the following statements is correct?

(A) Glass is biodegradable
(B) Glass and plastic are not biodegradable
(C) Plastic is biodegradable
(D) Glass and plastic are biodegradable

Q4) Demography is the statistical study of which one of the following?

(A) Human Populations
(B) Human Settlements
(C) Human Societies
(D) Human Life

Q5) Night-time flowering plants are typically_____ in colour, but have a pleasing smell, as insects do not see at night time but get attracted to their smell. Identify the correct colour.

(A) Purple (B) Red (C) White (D) Yellow

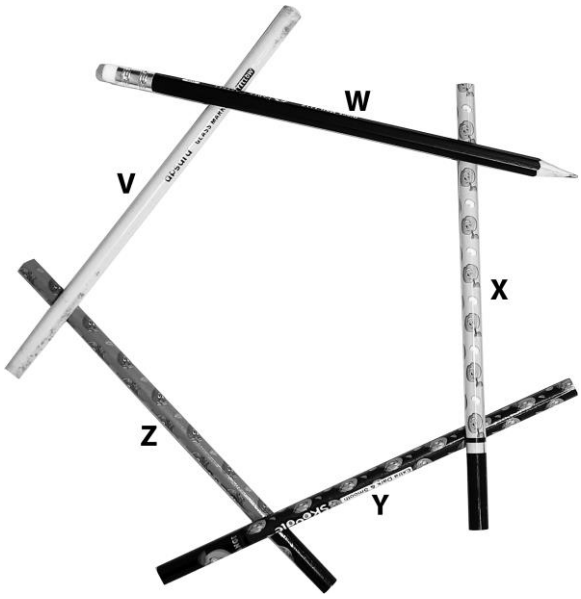
Q6) Which of the following relationships best describes the interactions in a typical food chain?

(A) Territorial
(B) Symbiotic
(C) Reproductive
(D) Predator-prey

Q7) Human eye understands lightness and darkness by using rods and distinguishes colors by use of cones. Which part of the eye helps control the amount of light entering it?

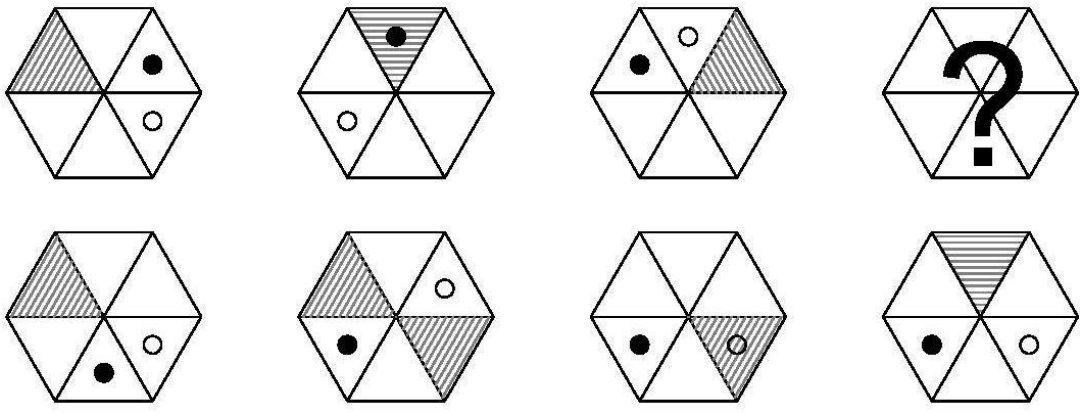
(A) Cornea (B) Pupil (C) Retina (D) Optic nerve

Q8) Five pencils (V, W, X, Y, Z) are arranged on the floor as shown in the image. Which of them are in the same plane?



(A) V and Z (B) V and Y (C) W and V (D) Z and W

Q9) Which of the options below replaces the question marks as the logical next hexagon in the sequence?



(A) (B) (C) (D)

Q10) Which of the following heavenly bodies are of a similar nature?

(i) Sun (ii) Alpha Century (iii) Moon
(iv) Earth (v) Halley's Comet

(A) i and iii (B) i and ii (C) iii and v (D) i, iii and iv

Q11) “Yellow-Green /Yellow/ Yellow-Orange” show a distinct relationship. Which of the options below shows a similar relationship?

(A) Red-Orange/ Red/ Magenta

(B) Yellow-Green/ Violet/Yellow-Orange

(C) Blue/ Violet/ Magenta

(D) Green/ Red/ Magenta

Q12) You are positioned in Delhi. If you travel to Bhopal and then to Ahmedabad, what will be your direction of travel from Bhopal towards Ahmedabad?

(A) North (B) East (C) West (D) South

Q13) Can the cut wooden logs shown in the first sketch (Fig. 1) be fixed together without any changes to make the structure in the second image (Fig. 2)?

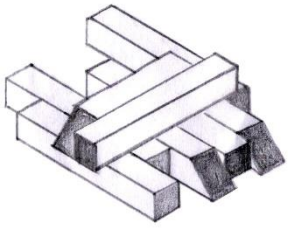


Fig. 1

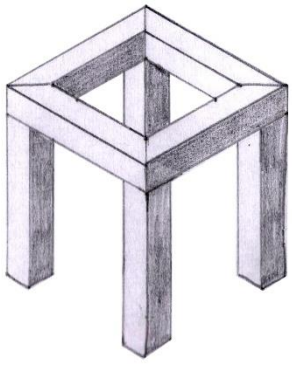


Fig. 2

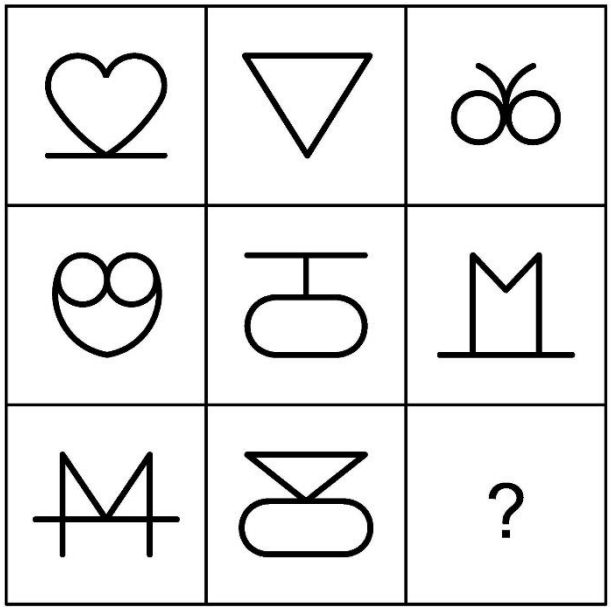
(A) Yes (B) No (C) Maybe Yes (D) Maybe No

Question Numbers 14 to 19 consist of 02 Marks each

Q14) Find the correct number that replaces ‘Question mark’ (?) to complete this equation.

(A) 1 (B) 2 (C) 3 (D) 5

Q15) Identify the correct alternative which replaces the question mark in the square given below?



(A) (B) (C) (D)

Q16) It takes longer to cook food at high altitudes (hills/mountains) than places at low altitudes (e.g., near seashores). People living at higher altitudes have more hemoglobin than people from low altitudes. Vehicles at Chennai need to be tuned when brought to Shimla. Which of the statements given below are correct?

1. The boiling point of water does not change at all locations.
2. Boiling of water depends on pressure.
3. Oxygen is low at high altitudes.
4. The air fuel mixture of any vehicle remains the same at all locations.

(A) 1 and 3 (B) 2 and 3 (C) 1 and 4 (D) 2 and 4

Q17) In the context of citizenship, which of the following best describes the relationship between rights and duties?

(A) Rights and duties are entirely unrelated and do not impact each other.
(B) Rights and duties are synonymous terms with the same meaning.
(C) Rights and duties are interrelated, as rights come with responsibilities and obligations.
(D) Rights are always more important than duties in any society.

Q18) In the context of a group or community, what do "homogeneity" and "diversity" refer to? Identify the suitable option.

(A) Homogeneity refers to a group's ability for change, while diversity signifies ability to confirm.
(B) Homogeneity indicates a group's similarity in terms of characteristics, while diversity represents variations in characteristics.
(C) Homogeneity and diversity are unrelated concepts in group dynamics.
(D) Homogeneity refers to a group's openness to new ideas, while diversity refers to resistance to change.

Q19) Match the crafts given in column A to the state/UT names in Column B and identify the correct option.

Column A	**Column B**
Dokra	Jammu & Kashmir
Papier Mache	Bihar
Madhubani painting	Chhattisgarh
Bidri work	Karnataka

(A) Dokra - Jammu & Kashmir, Papier Mache - Bihar, Madhubani painting - Chhattisgarh, Bidri work – Karnataka
(B) Papier Mache - Jammu & Kashmir, Madhubani painting - Bihar, Bidri work – Karnataka, Dokra – Chhattisgarh
(C) Madhubani painting - Karnataka, Bidri work – Chhattisgarh, Dokra - Bihar, Papier Mache - Jammu & Kashmir
(D) Bidri work - Jammu & Kashmir, Dokra - Karnataka, Papier Mache - Bihar, Madhubani painting - Chhattisgarh

Q20) A pattern has been cut out from a folded sheet of paper as shown below in Fig. 1, Fig. 2, and Fig. 3.

Draw the pattern, in Fig. 4, as seen on the unfolded sheet after cutting. Use dotted lines to indicate paper fold and shade the cut-out sections. **(15 Marks)**

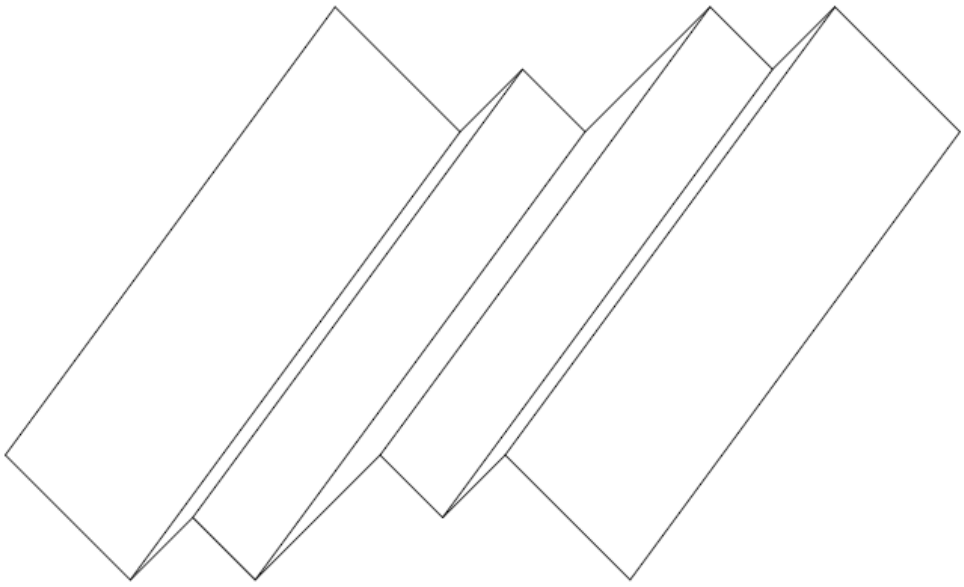


Fig. 1: Folded paper before cutting

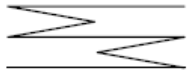


Fig. 2: Folded profile

Fig. 4: Draw the pattern here. Fold lines and dotted lines and shade the cut-out sections.

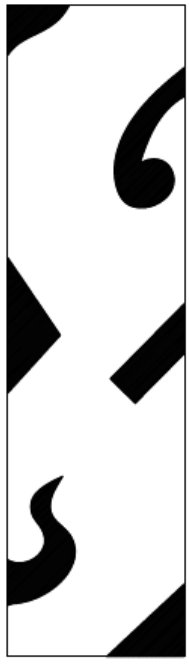


Fig. 3: Cut-out pattern

Q21) Potable water is a major challenge in mountain regions. Analyze this context and difficulties related to potable water. Design a water-carrying product that allows community members to transport 20 liters of water effectively. **(20 marks)**

21A) Draw in the space below, a detailed illustration of this product outlining its features and materials used. (12 marks)

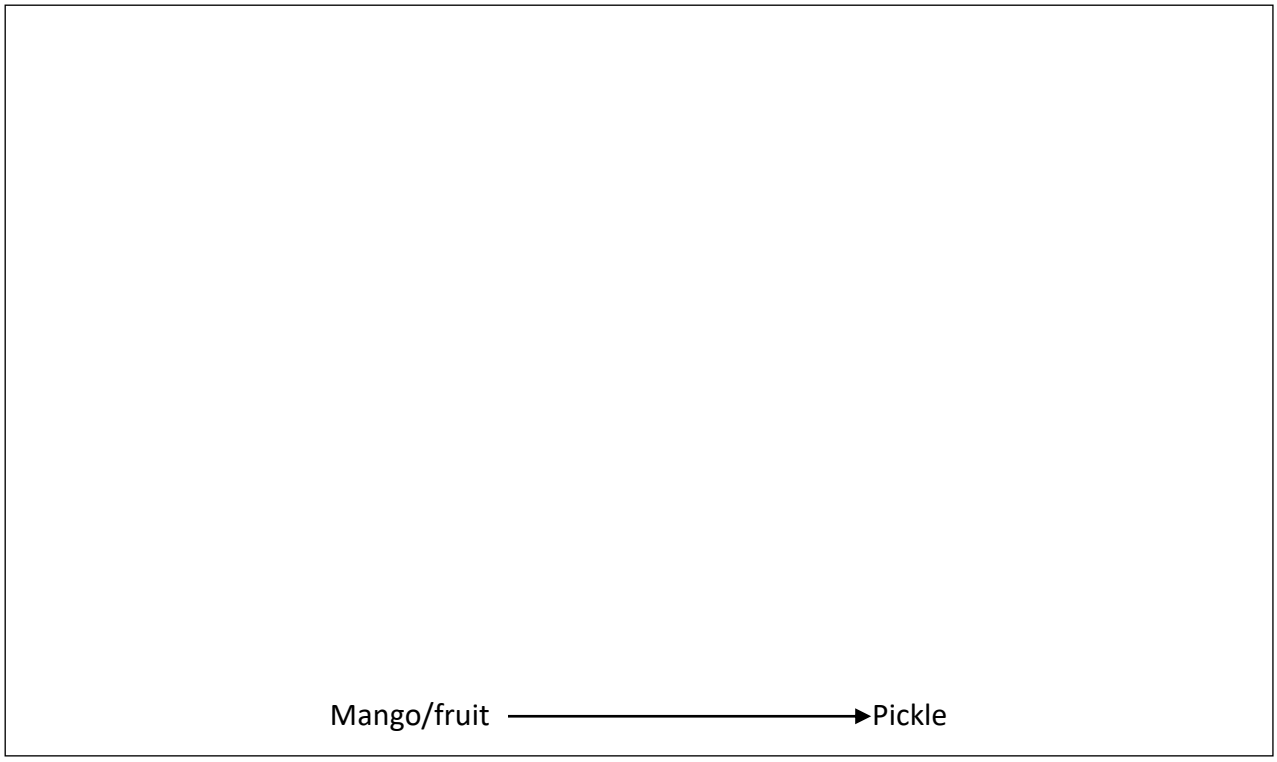
21B) Draw in the space below, how the product will be carried by individuals. (08 marks)

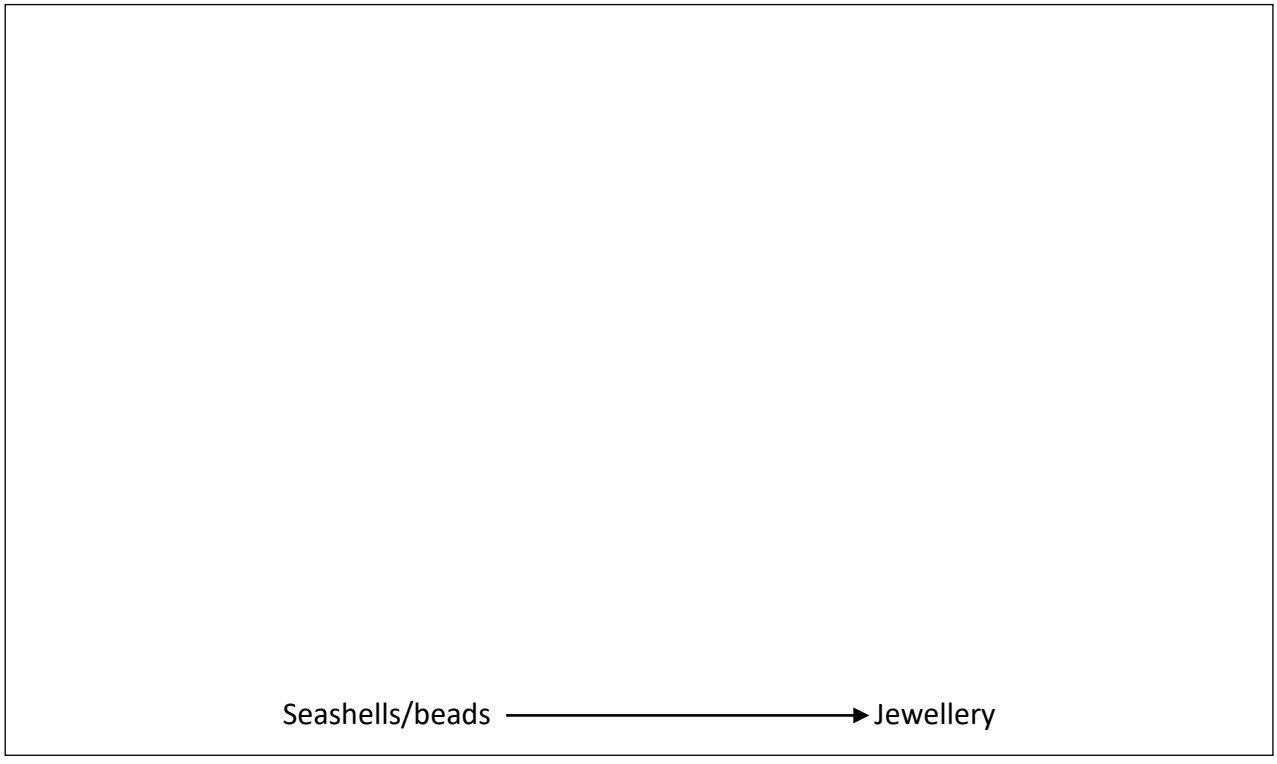
Q22) Given below are pairs of words inside the boxes that represent the original and final state of different things. **(5 x 4 = 20 marks)**

In the given space, diagram or sketch three crucial activities in the process that would have led the original thing to the final state of that thing.

Potato ⟶ Chips

Bees ⟶ Candle


Mango/fruit
Pickle

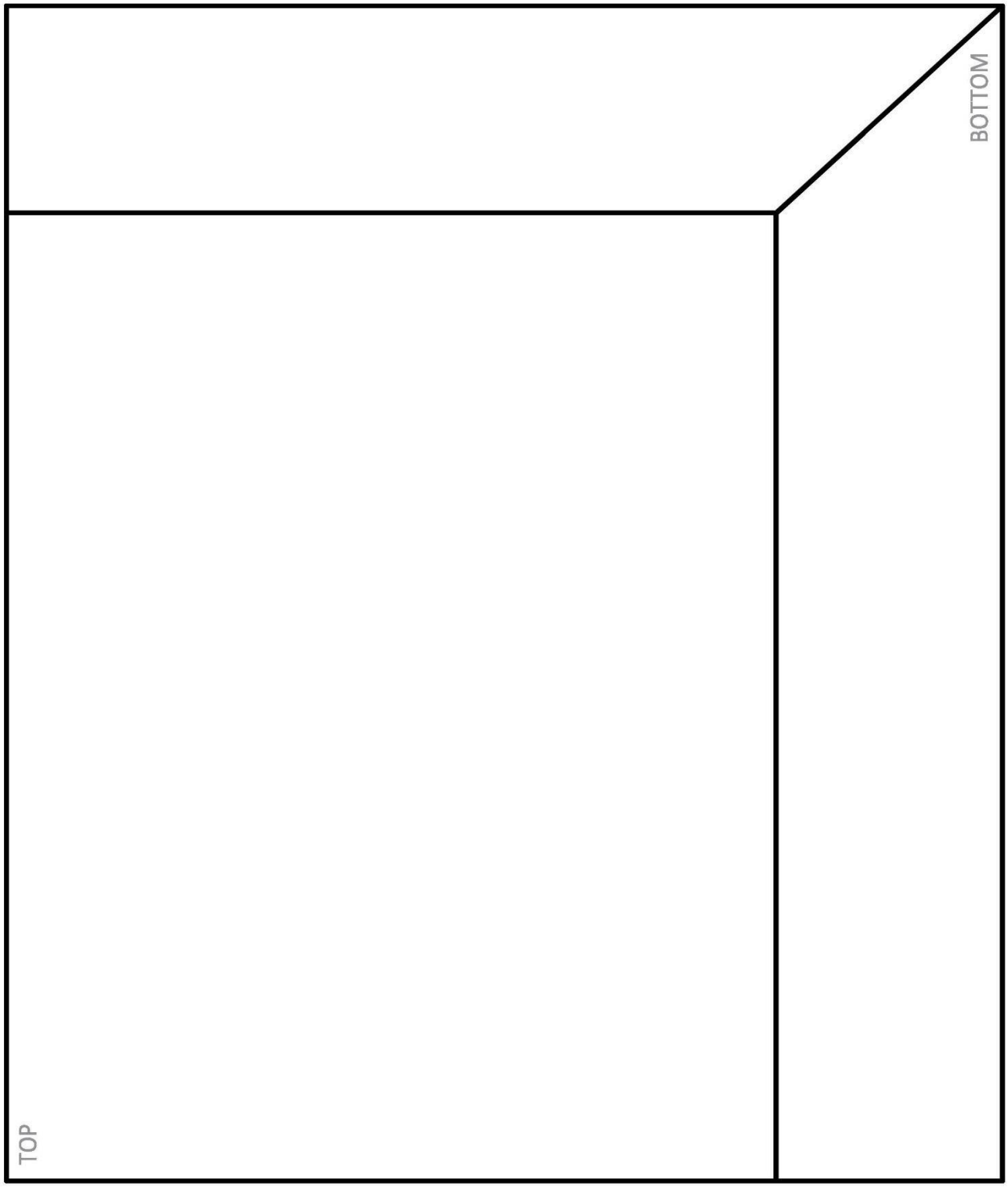

Seashells/beads
Jewellery

Q23) Recall a space from a house that is being used by either one of the two options given below. Tick the box to mark your selection. **(20 marks)**

☐ elderly person (above fifty years old) or

☐ a child (four to ten years old).

23A) Draw the space you have selected with relevant objects in the frame given below. Draw in the horizontal orientation in relation to the top and bottom of the space. (10 marks)



23B) Select any <u>one object</u> from your previous drawing and draw it below in detail. Write about one key function with reference to the person using this object. (05 marks)

_____

_____

23C) Write one suggestion to improve its functionality. Draw the improvised version in the space provided. (05 marks)

_____

_____