



DESIGN APTITUDE TEST 2020

UNDERGRADUATE

Total No. of Pages: 18

Permitted Time: 3 Hours

TOTAL MARKS -100

Kindly read the instructions carefully given on the next page before attempting the questions.

To be filled by the student.

CANDIDATE ID :

CANDIDATE NAME :

TEST CENTRE

<input type="checkbox"/> AHMEDABAD	<input type="checkbox"/> AURANGABAD	<input type="checkbox"/> BENGALURU	<input type="checkbox"/> BHOPAL
<input type="checkbox"/> BHUBANESWAR	<input type="checkbox"/> CHANDIGARH	<input type="checkbox"/> CHENNAI	<input type="checkbox"/> COIMBATORE
<input type="checkbox"/> DEHRADUN	<input type="checkbox"/> HYDERABAD	<input type="checkbox"/> INDORE	<input type="checkbox"/> JAIPUR
<input type="checkbox"/> KOCHI	<input type="checkbox"/> KOLKATA	<input type="checkbox"/> LUCKNOW	<input type="checkbox"/> MUMBAI
<input type="checkbox"/> NAGPUR	<input type="checkbox"/> NASHIK	<input type="checkbox"/> NEW DELHI	<input type="checkbox"/> PATNA
<input type="checkbox"/> PUNE	<input type="checkbox"/> RAIPUR	<input type="checkbox"/> RANCHI	<input type="checkbox"/> VARANASI

*Please read the instructions CAREFULLY on the next page.

DAT Paper is sealed. Do not break/open until asked to do so.

INVIGILATOR'S SIGNATURE

FOR OFFICIAL USE ONLY

Marks obtained	Examiner's signature
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INSTRUCTIONS TO THE CANDIDATES:

You will be informed when to start the examination by the invigilator.

Read these instructions carefully before attempting the questions.

1. Write your Name, Candidate ID and tick mark the Examination Centre in the space provided on the cover page of this answer book as well as on all the pages of answer book.
 - a. No distinctive mark of any sort is to be put anywhere in the answer book.
 - b. Violation of these instructions or adoption of malpractice in examination hall will lead to disqualification.
 - c. Please make sure you have signed the registration sheet provided by the invigilator **to mark your presence.**
 - d. Make sure that you have written your Candidate ID and signed on all pages in the space provided.
2. Write your answers in ENGLISH ONLY.
3. Candidates shall not be allowed to leave the examination hall until completion of at least one and half hours (90 Minutes) from the commencement of the examination.
4. Undergraduate DAT Paper consists of two parts with **36** Questions.
PART A (40 marks – Thirty questions) and;
PART B (60 marks – Six questions).
5. All questions are compulsory.
6. Write or draw your answers only in the space provided for respective questions.
 - a. Space has been provided against each question for the FINAL ANSWER.
 - b. Extra rough work sheets and backside of the paper should be used for ROUGH WORK ONLY.
7. **DO NOT REMOVE ANY SHEET from this answer book.**
8. Before leaving the examination hall, kindly submit this question-cum-answer paper to the invigilator.
9. Use of stationery: Use Ball Pen (Blue Ink), Pencils (B, 2B, 4B, 6B, 8B), colour pencil set & eraser only.
10. Maximum duration for the completion of the test is 180 minutes (3hrs).
11. There is no negative marking.

Part – A

S. No.	Total number of questions	Marks of each question	Total marks	Total marks 40
1 - 20	20	1	20	
21 - 30	10	2	20	

Part – B

S. No.	Total number of questions	Marks of each question	Total marks	Total marks 60
31 - 32	2	5	10	
33 - 34	2	10	20	
35 - 36	2	15	30	

Part – A

S. No.	Total number of questions	Marks of each question	Total marks	Total marks 40
1 - 20	20	1	20	
21 - 30	10	2	20	

(Tick ✓ the correct options below)

Question no. 1.....1 mark

One kilometer is equal to -

- a) 1013.61 yard
- b) 0.539957 nautical miles
- c) All of the above
- d) None of the above.

Question no. 2.....1 mark

Horizontal or vertical members separating the glass surfaces when joining adjacent windows is called -

- a) Mullion
- b) Jamb
- c) Flashing
- d) Muntin

Question no. 3.....1 mark

The period of European history that lasted from the 14th to the 17th century is known as?

- a) Renaissance
- b) Industrial revolution
- c) Dadaism
- d) None of these

Question no. 4.....1 mark

The chair as shown in the image below is designed by -



- a) Frank Lloyd Wright
- b) Gerrit Reitveld
- c) Charles and Ray Eames
- d) Le Corbusier

Question no. 5.....1 mark



Which company/organization logo is this?

- a) NCERT
- b) IGCSE
- c) UGC
- d) Department of Education

Question no. 6.....1 mark

Which one of the following is the car model of BENTLEY?

- a) Panamera
- b) Mulsanne
- c) Cayenne
- d) None of the above.

Question no. 7.....1 mark

Which designer designed this chair?

- a) Marcel Breuer
- b) Ray Emes
- c) Isamu Noguchi
- d) Jens Risom



Question no. 8.....1 mark

Complete the image below by drawing the mirror image of it in symmetry.



Question no. 9.....1 mark

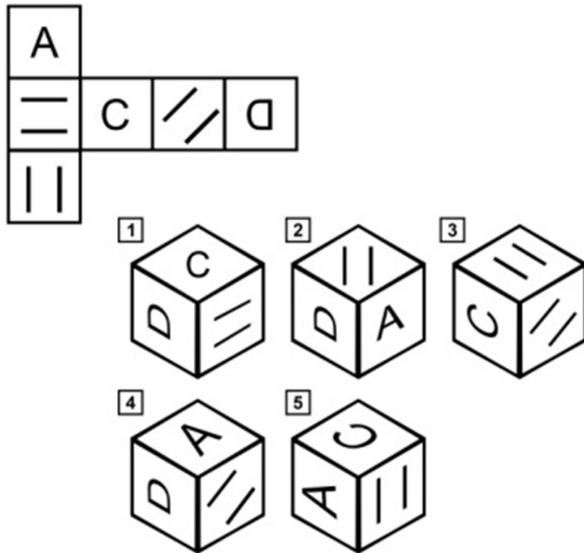
What is an Arcade?

- a) A series of arches, with supporting columns or piers.
- b) A shopping complex with Housing.
- c) A shopping complex only.
- d) None of the above.

Question no. 10.....1 mark

When this shape is folded to form a cube which of the following two can be produced?

Answer: _____



Question no. 11.....1 mark

What is called Colonnade?

- a) A range of columns connected by a horizontal entablature or cornice at the top.
- b) The SI base unit of electric current, defined as one coulomb of electric charge per second.
- c) None of the above.
- d) All of the above.

Question no. 12.....1 mark

Red Dot Award is given for -

- a) Industrial design
- b) Interaction design
- c) Visual communication
- d) Fashion design

Question no. 13.....1 mark

Tesla Cyber Truck's body is majorly made of -

- a) Carbon Fibre
- b) Cold Rolled Steel
- c) Stainless Steel Alloy
- d) Aluminum

Question no. 14.....1 mark

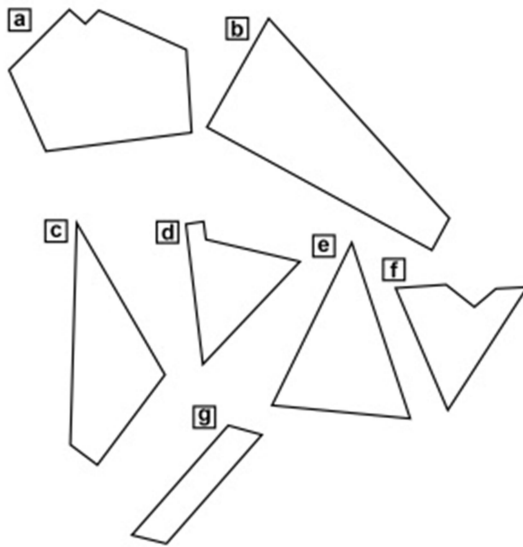
Which of the following is a non-bio degradable material?

- a) Glass
- b) Asbestos
- c) Wood
- d) Ceramic

Question no. 15.....1 mark

Pieces given below can be fitted together to form a perfect square, which of these are odd piece out?

Answer: _____



Question no. 16.....1 mark

This is the logo of which famous Design Award of the world?



- a) RED DOT AWARD
- b) SINGAPORE DESIGN AWARD
- c) SINGAPORE GOOD DESIGN
- d) SPADE AWARD

Question no. 17.....1 mark



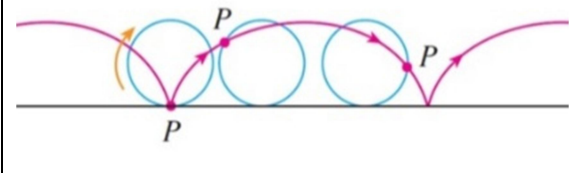
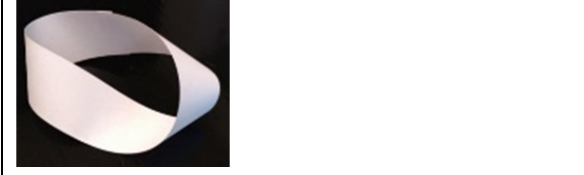

Which animal footprint is shown below?



- a) Rhinoceros
- b) Hippopotamus
- c) Elk
- d) Glutton


Question no. 18.....1 mark

Please match the following -

	Transversal lines
	Borromean rings
	Cycloid
	Mobius strip
	Frustum

Question no. 19.....1 mark

Please mention the year in which the following revised logos were published?



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Question no. 20.....1 mark

The first commercially available handheld mobile phone model was -

- a) Dyna TAC 8000x
- b) Dyna ATC 7000x
- c) Dyna CAT 6000x
- d) None of the above.

Question no. 21.....2 marks

Match the following -

Dali	Courbet	Seurat	Picasso	Matisse	Rothko	Marcel duchamp	Kazimir Malevich
Pointilism	expressionism	surrealism	color field abstraction	impressionism	cubism	realism	

Question no. 22.....2 marks

Who is the creator of this painting?



- a) John Vermer
- b) Jan Vermeer
- c) Jean Paul Renoir
- d) Claude Monet

Question no. 23.....2 marks

Out of the given options, which is an accessory?



Question no. 24.....2 marks

Match the following -

Sankheda	Karnataka
Bastar	Bishnupur
Terracotta	Chhattisgarh
Bidriware	Gujarat

Question no. 25.....2 marks

Each question comprises of four sentences - A to D; put the sentences in the correct order or original order.

- (A). It also helps in understanding colour schemes and their colour interactions.
- (B).Goethe, Chevreul many others have developed the system to explain the behaviour of colour later on.
- (C) The colour wheel is a basic visual device where colour is organized in circular manner for understanding fundamental principles of colour classification, arrangements, and colour relationship.
- (D) The first such colour wheel was designed by Sir Isaac Newton in 1666 to explain that white light is a combination of seven colours.





Answer _____

- A) When the wax is removed, only the areas that were not waxed are coloured.
- B) The cloth is then dyed and dried.
- C) Instead of painting or printing a Colour directly on a cloth, as in most patterned fabrics, the worker covers parts of the fabric with wax.
- D) The process used for batik is called resist dyeing.

Answer: _____

Question no. 26.....2 marks

Select the ones which are motifs developed out of capital alphabets (partial or full) mirrored vertically or horizontally.

V	L	T	C
			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Question no. 27.....2 marks

Which company's logo is this?



- a) Horki
- b) Acura
- c) Lincoln
- d) Buick

Question no. 28.....2 marks

SIAM stands for -

- a) Standard Indian Automobile Measures.
- b) Society of Indian Automobile Manufacturers.
- c) Standard Indian Auto Makers.
- d) Society of Indian Auto Measures.

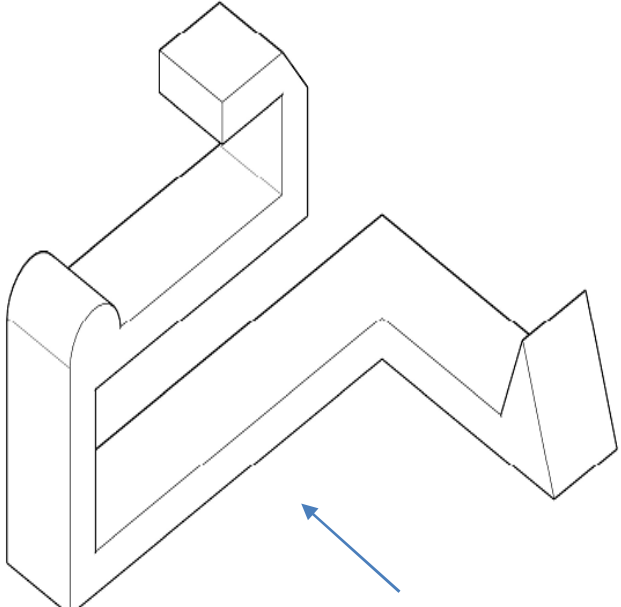
Question no. 29.....2 marks

Fill in the blanks -

SINGULAR	PLURAL
	Data
Criterion	
	Phenomena
	Nuclei

Question no. 30.....2 marks

Draw an Orthographic view (Top, Front & any one side view) of the drawing given below -
(Considering given arrow as front).

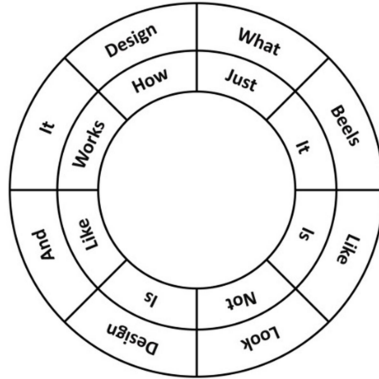
TOP	
FRONT	SIDE

Part – B

S. No.	Total number of questions	Marks of each question	Total marks	Total marks 60
31 - 32	2	5	10	
33 - 34	2	10	20	
35 - 36	2	15	30	

Question no. 31.....5 marks

Arrange given sixteen words (of the circle) into a meaningful sentence below -



Answer: _____

Question no. 32.....5 marks

How many types of logos are here in this chart? Please draw and mention the numbers of each type.

Types										
Numbers										
Types										
Numbers										

Question no. 33.....10 marks

Bus station	09.00	09.40	10.20
Adalaj Chowkdi	09.05	09.45	10.25
Adani Shanti gram	09.21	10.01	10.41
Vaishno Devi Circle	09.31	10.11	10.48
Godrej City East Side	09.52	10.32	11.09
Gota Chowkdi	10.29	11.09	11.46
Sola Bhagwat Chowk Park	10.36	11.16	11.49
Science City	10.45	11.25	11.55
Thaltej Terminus	10.59	11.39	12.01

a) How long does the 09:00 am bus take from the bus station to the terminus?

Answer: _____

b) How long does the 10:20 am bus take from the bus station to the terminus?

Answer: _____

c) On the 10:20 am bus route, what is the duration of the longest journey between stops?

Answer: _____

d) How long will it take to get from Vaishno Devi Circle to Sola Bhagwat Chowk Park on the 10:20 am bus?

Answer: _____

e) How long will the same journey take on the 09:40 am bus route?

Answer: _____

f) If one misses the 10:32 am bus at Godrej City east side, how long he/she will have to wait for the next bus?

Answer: _____

Question no. 34.....10 marks

Draw any two of the following products.

Create an advertisement poster of one, for its online sale. (In the area given on the next pages)

- a) Bluetooth headset with microphone,
- b) Trimmer,
- c) Spin Mop,
- d) Rechargeable Fly Mosquito Electric Insect Killer (Racquet/Bat).

Product 1

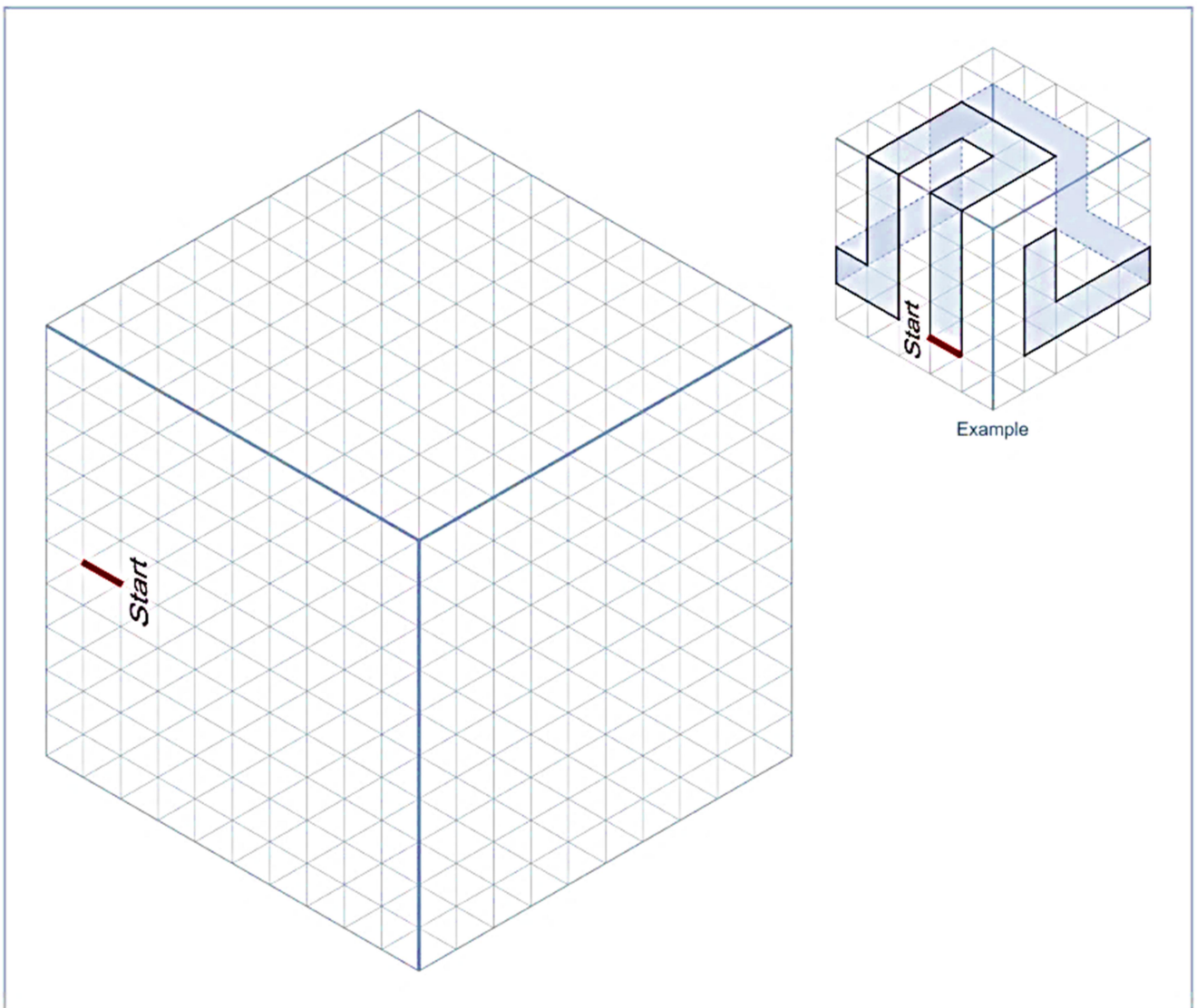
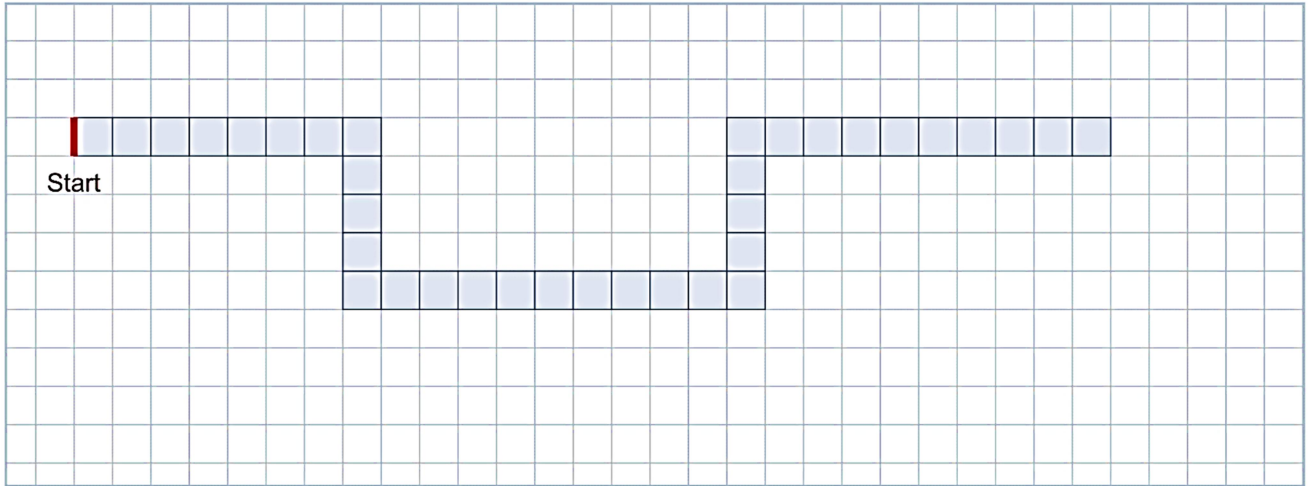
Product 2

Poster:

A large empty rectangular box with a thin black border, intended for a poster. It occupies most of the page area.

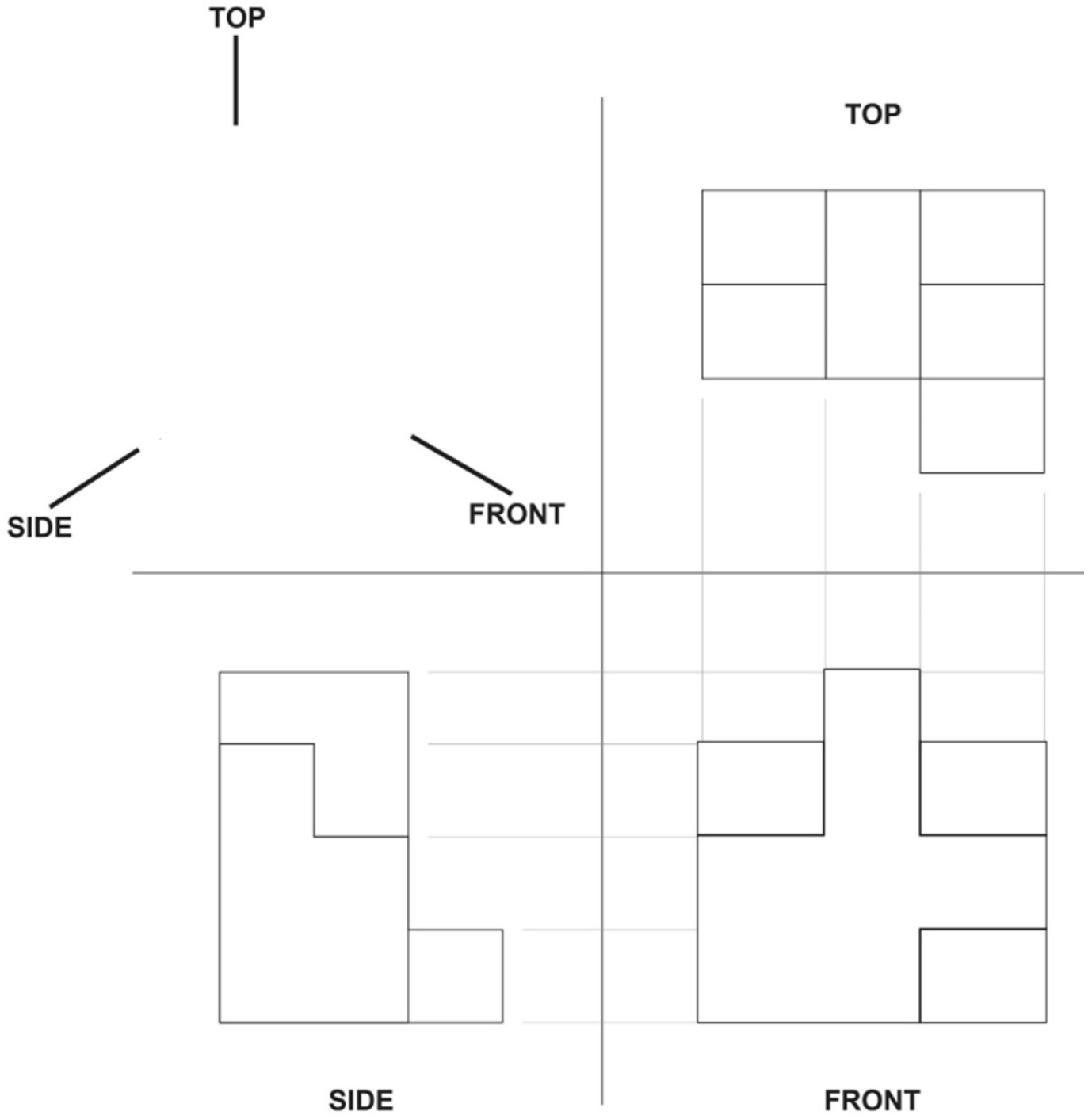
Question no. 35.....15 marks

Given is a 2D strip layout. Figure out the drawing if placed on the cube with transparent surface (*show the hidden edges with dotted line, use the square grid for reference, refer the example given below*).



Question no. 36.....15 marks

Draw the isometric view (in the given blank space of the object) from the given orthographic views of the object.



Extra rough work sheets

Extra rough work sheets