राष्ट्रीय डिज़ाइन संस्थान
NATIONAL INSTITUTE OF DESIGN
Paldi, Ahmedabad 380 007

DESIGN APTITUDE TEST 2010-2011

GRADUATE DIPLOMA PROGRAMME IN DESIGN (GDPD)

CANDIDATE ID | | | | | | | | |

AS WRITTEN IN YOUR HALL TICKET

INVIGILATOR'S SIGNATURE

No. 5853

TOTAL TIME > 3 hours

TOTAL MARKS > 100

FOR OFFICE USE

QUEST. NO.	MARKS	TOTAL	SIGN
Q.1.1.		10	
Q.1.2		10	
Q.1.3.A		10	
Q.1.3.B		10	
Q.2.1.		10	
Q.2.2.		05	
Q.3.1.		07	
Q.3.2.		08	
Q.4.1.		15	
Q.5.1.		05	
Q.5.2.		05	
Q.5.3.		05	
TOTAL		100	

INSTRUCTION FOR THE CANDIDATE

- Read all the questions carefully
- You may attempt the test in any order you like.
- Do not write your name anywhere in the booklet
- Follow the instructions given by the invigilators / Centre incharge.
- Any candidate found copying or receiving and giving assistance during the examination is liable for disqualification.
- On completion of the test, you should hand over this booklet to the invigilator before leaving the examination hall.

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Q1.1. Draw an adult human form in front of a mirror. Both the person and his/her reflection should be drawn.

(10 marks)

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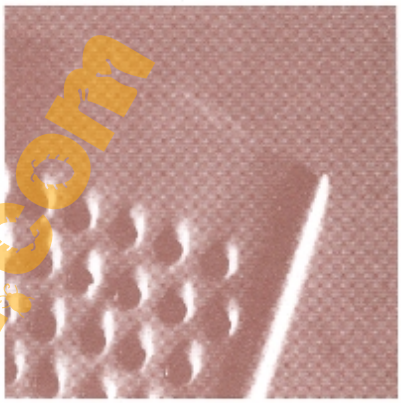
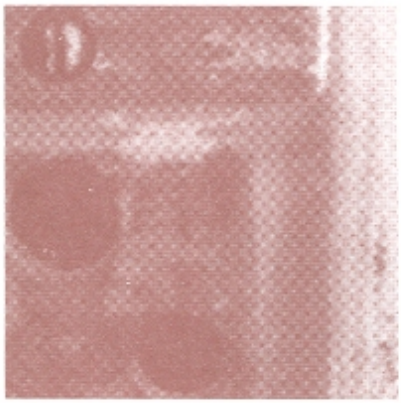
Q1.2 Identify any FIVE objects from the given pictures below, Visualize and draw ONE object in full in three dimensions and write about the material and use of the object in next page. (10 marks)

1

2

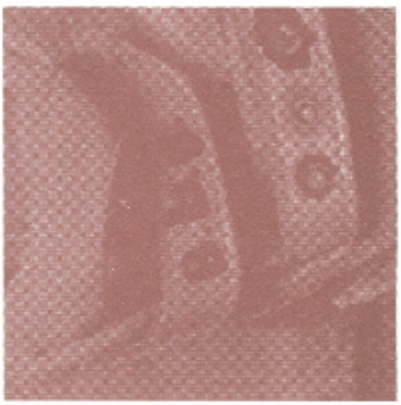


3

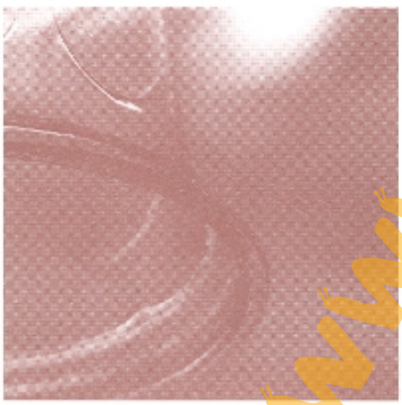


4

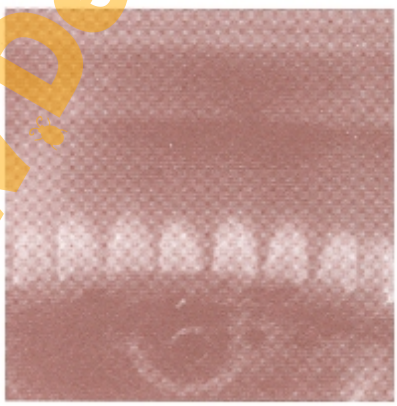
5



6



7



8

9

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Q1.3.a. Draw three objects from your memory to be handled by the thumb and index finger together. Draw them in 3 dimensions in use. (10 marks)

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Q1.3.b: Choose one object from Question 1.3.a. Redesign/modify it to be used by a person without hands while retaining its functionality or purpose of use. Visualize and draw in the space below and explain its function briefly within 25 words. (10 marks)

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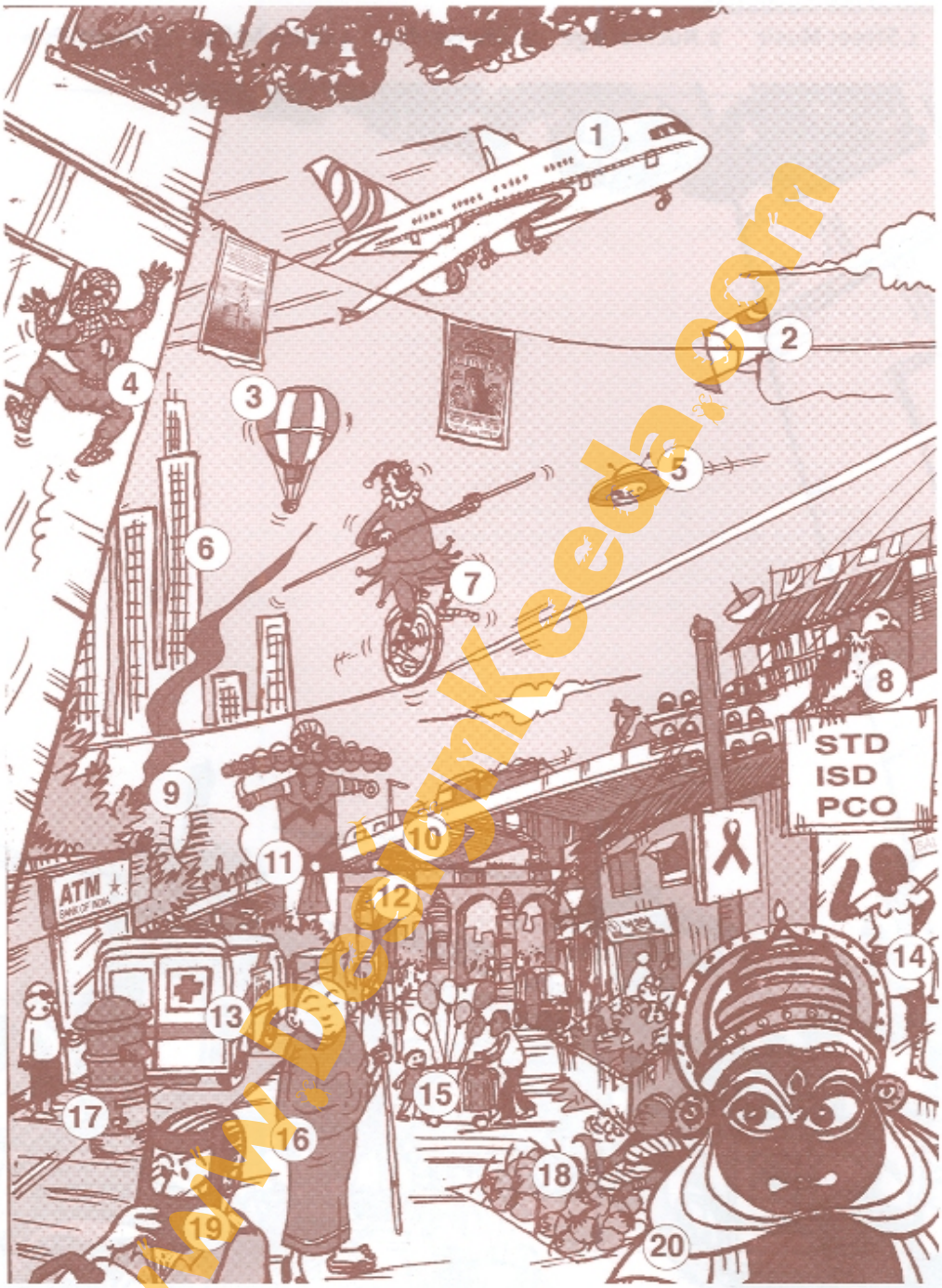
Q.2.1 .There are 20 images circled with numbers below within the illustration.There are also 20 words listed below the illustration. Match the numbered visuals to the given word appropriately (10 marks)



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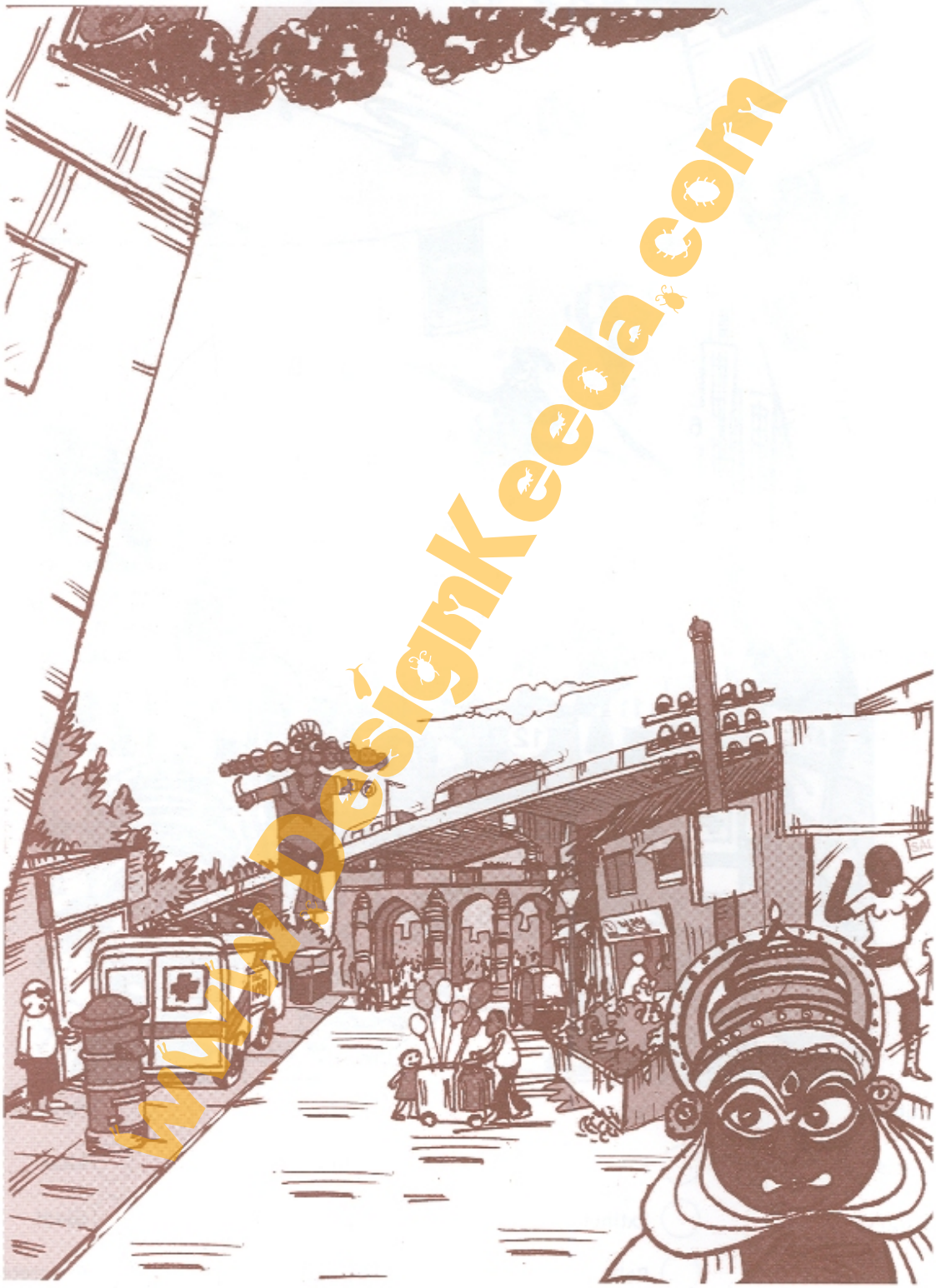
◯ Culture	◯ Joy	◯ Carbon	◯ Fantasy
◯ Crisis	◯ Fake	◯ Ritual	◯ local
◯ Balance	◯ Extinct	◯ Pure	◯ Giant
◯ Lost	◯ Relic	◯ Guard	◯ Concrete
◯ Alien	◯ Future	◯ Obsolute	◯ Gas

Q.2.2. There are 5 themes and an incomplete illustration given below. Choose and tick any ONE theme and complete the illustration accordingly. Also give a meaningful TITLE to your illustration in the box given at the bottom of the illustration. (5 marks)

1.Street Music 2.Nuclear Age 3.Zen Garden 4.Indus Valley 5.FlowerPower.



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Q 3.1: Create a communication visual in the given space on ' the importance of laughing ' Give suitable caption and explain the concept in the space given below. (7 marks)

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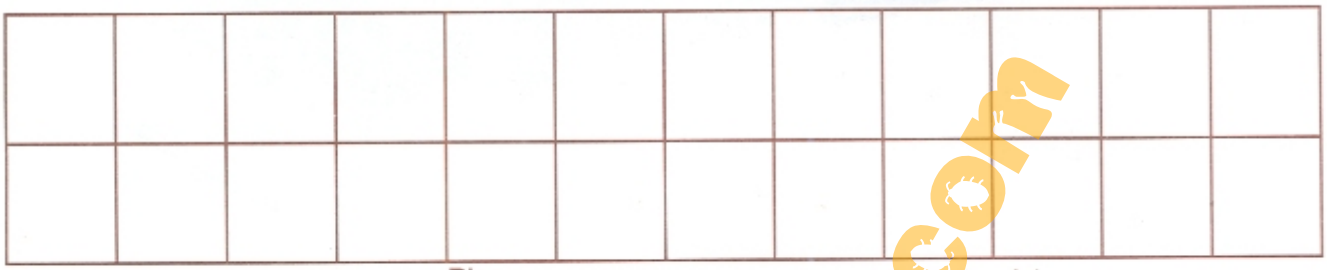
Q.3.2.A : Use different colours to depict each of the three stages of growth of ANY one of the following. (4 + 4 marks)

Tick on the subject selected :

a) Papaya b) Rose c) Apple d) Tomato



Q.3.2.B : Fill each of the concentric rings with colours which express any one of the following emotions. Tick on the emotion selected. Underneath explain the use of colours:

a) Joy b) Gloom c) Anger d) Affection.

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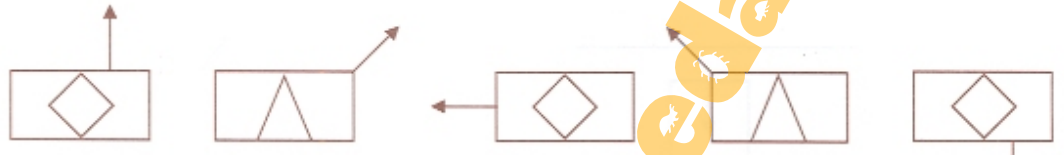
Q.4 : A total number of 21 questions are given to below. You are required to answer only 15 out of the 21 questions given to you. All the questions carry equal mark. (15 marks).

1. There are five boys in a row, (i) Rama is not adjacent to Somu or Ayan; (ii) Krishna is not adjacent to Somu; Rama is adjacent to Mani and Mani is the person at the middle of the row. Krishna is adjacent to whom out of the following?

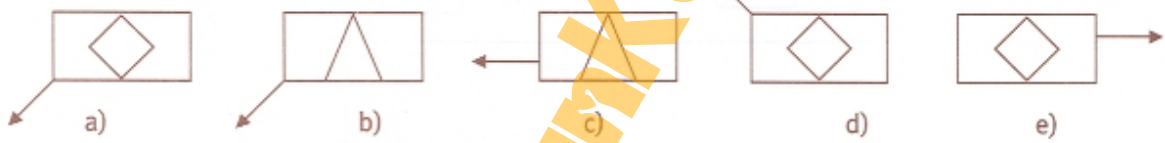
   a)Rama b) Nandu c) Mani d) Somu e) cannot be resolved

2. Which one of the five answer figures labeled from 'a' to 'e' shall come after the five figure sequence given below as question figures.

Question figures



Answer figures



3. Suma was facing south. She turns right and walks to 10m. Then she turns right again and walks 10m. Then she turns right again and walk 60m. In which direction is he from from the starting point?

   a) North b) North-west c) North-east d) West e) South

4. Watch : Time :: _____ :_____
   a)Thermometer : Temperature
   b)kilometer : meter
   c)Speed : Speedometer
   d)Air pressure : Barometer
   e)Weight : physical balance

5. Pen : Whiteboard :: _____ :_____
   a)ink pen : ink
   b)door : handle
   c)chalk : blackboard
   d)monkey :tail
   e)wall : paint

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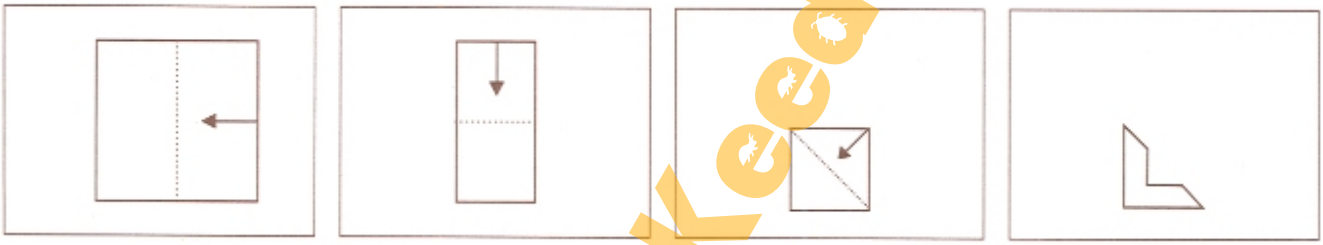
6. Two positions of a numbered dice are shown below :

When 4 is at the bottom, what will be at the top?

a) 2 b) 5 c) 3 d) 6 e) none

7. In the question below a piece of paper is folded and cut as shown in question figures. From the answer figures pick the one to indicate how the paper will appear when opened.

Question figures



Answer figures

a) b) c) d)

8. What number should replace the question mark?

121, 2112, 2122, 1132, ?

9. What comes next?

A AB ABD ABDG ?

10. Which word in brackets is similar in meaning to the word in capitals?

NEFARIOUS (lax, petty, atrocious, manic, incessant)

11. Which word is the odd one out?

CLINCH, DEBUT, ULTIMATUM, FAREWELL, EPILOGUE, CULMINATE

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12. How many minutes before 1 P.M. is it, if 88 minutes ago it was three times as many minutes past 10 A.M.?

13. What comes next?

13, 17, 29, 52, 82, ?

14. Sue had half as many again as Fred, and Pat had a third as many again as Sue. Altogether they had 216. How many did each have?

15. Place two three-letter bits together to make an animal.

CON BUF MAN ALO MAR RAC CAY MOS

16. Make this into a word:

___ KKEE ___

17. What number should replace the question mark?

18, 1, $14\frac{3}{4}$, $5\frac{3}{4}$, $11\frac{1}{2}$, $10\frac{1}{2}$, ?

18. Simplify

$14 - 1\frac{1}{2} \times 3\frac{1}{2} + 3 \times \frac{1}{2}$

19. What is the value of the angle of a regular octagon?

20. If 66 = 102 then 22 = ?_____

21. Change 86°F to Celsius.

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Q.5.1 : You have to survive on Rs.20.00 (rupees twenty only) only from 5 AM in the morning to 10 PM at night on your own and away from residential places.
Describe your plan for the day and how you spend your money. Give the break-up in detail (5 marks)

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Q.5.2 : Describe five specific problems you have personally observed being faced by an elderly person in ANY one of the following modes of public transport (5 Marks)

a) Bus b) Train c) Boat d) Plane

Q.5.3 : Answer the following questions (5 marks)

1. Name the person of indian origin who got a Nobel Prize in 2009.

2.What are tetrapacks? what are they made up of?

3. What was the main purpose of Copenhagen Summit 2009?

4. Name the tree which grows a type of Cotton.

5. What is the full form of

a). e-mail

b). SMS.

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