



# KERALA STATE INSTITUTE OF DESIGN

## Design Aptitude Test for Post Graduate Diploma Programmes in Design 2018

### Integrated Lifestyle Product Design

Name	Applicant Roll Number			
		A	018	KSID

#### Instructions for Candidates

Please read the following instructions carefully:

- 1) Do not remove the seal until the invigilator instructs you to open the booklet
- 2) Make sure that the answer sheet is not damaged in anyway
- 3) Use only black/blue ink pen for answering the questions and coloured pencil/sketch pens for illustrating
- 4) This question paper has two parts: Part A and Part B



	Questions	Marks
Part A	50	50
Part B	5	50

- 5) The duration of this test is three hours
- 6) Do not attempt to copy or allow others to copy. Any malpractice will lead to cancellation of your candidature
- 7) Return the test booklet, answer sheets and anyother work sheets/rough work to the invigilator before you leave the exam hall
- 8) Candidates are not allowed to move out of the hall once the examination starts

**Part A**

(50 questions, 1 mark each)

1. Why do most ball point pen caps have a hole on its top?

A:

2. This is a common logo seen in many plastic goods. What does it mean?



A:

3. This is a common logo seen in many consumer products, especially electronic goods. What does it mean?



A:

4. What is the full form of www?

A:

5. Who is M F Hussain?

A:

6. Who is Manish Malhotra?

A:

7. "Titan" belongs to which group of companies?

A:

8. What defines 'cool colours'?

- a) Colours ranging from blues to purples and greens
- b) Colours that are more vivid in nature
- c) Dark colours
- d) Yellows and Oranges

A:

9. In design, the terminology 'monochrome' refers to:

- a) Black and white
- b) Tones of a single colour
- c) Multiple colours
- d) None of the above

A:

10. What is the full form of FMCG?

A:

11. What is the full form of pdf?

A:

12. Who is the largest employer in this list?

a) McDonald's      b) Walmart      c) Indian Railways      d) United States Postal Service

A:

13. What kind of art form is called 'Kuchipudi'?

A:

14. 'Channapatna' toys traditionally are made with which material?

A:

15. Who is the founder of Microsoft?

A:

16. Which company made the first Mobile Phone?

A:

17. 'Kathakali' the dance drama belongs to which state of India?

A:

18. Name the founder of the world's most popular social networking site - Facebook?

A:

19. India stands as the fourth largest producer of rubber in the world. Which state in India produces the highest amount of rubber?

A:

20. Find the odd one out of the following:

a) Rolex   b) Gucci   c) Swatch   d) Rolls Royce

A:

21. If you were to make a transition from the colours red to orange, what other recognizable primary colour or colours would be formed in between?

A:

22. On a normal door in a commercial space, if you had to indicate the 'push' and 'pull' without text how would you solve this?

A:

23. As the story goes, a soap manufacturing company was getting several complaints from their customers stating that when they picked up the soap from retail outlets there was no soap in the neatly covered and sealed packaging. Since the entire process is mechanical the soap that comes out of the machine automatically is sent through another for packaging and this automatically gets dumped into a carton box for sending to vendors. What was happening is that many a times technology was giving way and the machines lapsed in some instances where the empty soap packaging covers alone were being parceled by the machine. The company recruited a designer to solve the problem. What would the designer have done to ensure the empty packages did not get put in the carton box?

A:

24. What is K in CMYK colour system?

A:

25. A person travels 10 KM north from his original spot, moves to right and travels 5 Km. He then moves his left another 5 km. He turns further left and travels another 5 KM. If all his travels are in a straight line what will be his final distance from the original spot.

A:

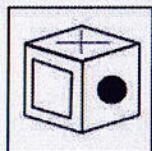
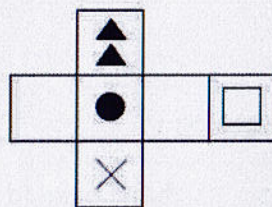
26. If hundred people can do a job in 10 days how many people are needed to complete the same work in 5 days?

A:

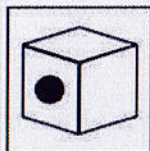
27. What are e-commerce sites?

A:

28. When folded, which box can be made from the 2D image shown below?



**A**



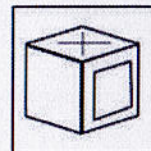
**B**



**C**



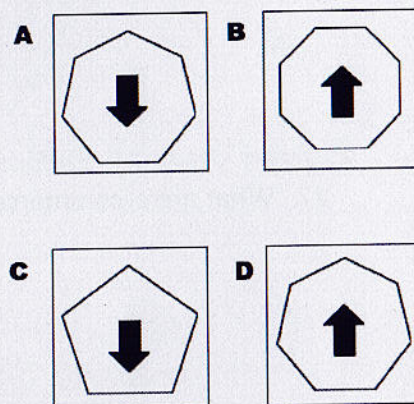
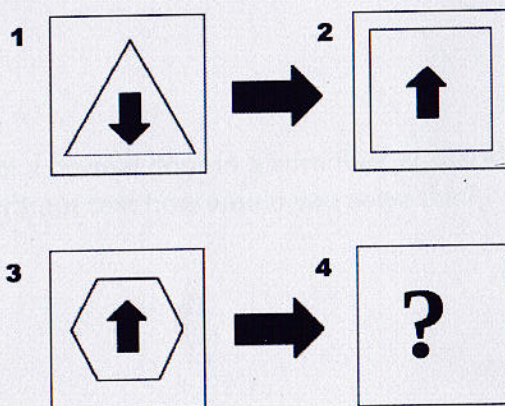
**D**



**E**

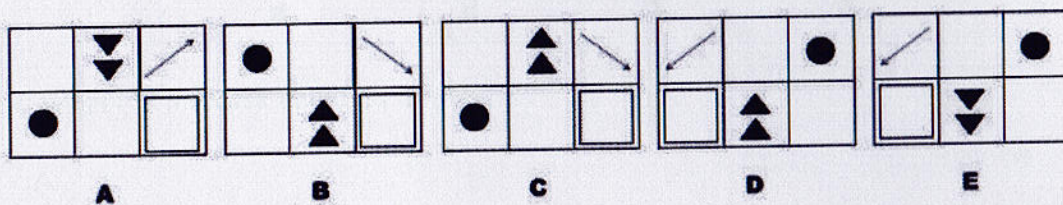
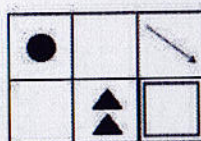
A:

29. What figure should come at '?'



A:

30. Which answer shows a reflection of the image below?



A:

Fill in the given blanks with suitable words

31. Buffaloes .....grazing in the field.

32. Rahul .....going to London.

33. Today is Sunday. Tomorrow will .....Monday.

34. The music was composed .....A R Rahman.

35. Identify which of the following are correct:

- a) I could of/should of done it better
- b) I could have/should have done it better

A:

36. Identify which of the following are correct:

- a) Nikhil and myself were to work on the project
- b) Nikhil and I were to work on the project

A:

37. Fill in the following with the proper tense

Neelima.....a sandwich this morning (to eat)

A:

38. How many times \_\_\_\_\_ not to do that?

- a) haven't I told you      b) have I told      c) I told you      d) have I told you

A:

39. Choose the correctly spelt word:

- a) depot      b) bouquet      c) banquet      d) budget

A:

40. The voters complain that their MLA visits the constituency only .....

- a) once in a blue moon      b) in the long run
- c) in the nick of time      d) off and on

A:

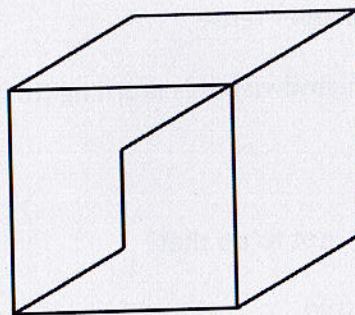
41. Which of the following material cannot be used for moulding?

- a) Metal b) Plastic c) Timber d) Ceramics

42.  $1+2+3+\dots+100 = ?$

A:

43. This object is made from two identical forms. Sketch this form in 3D.

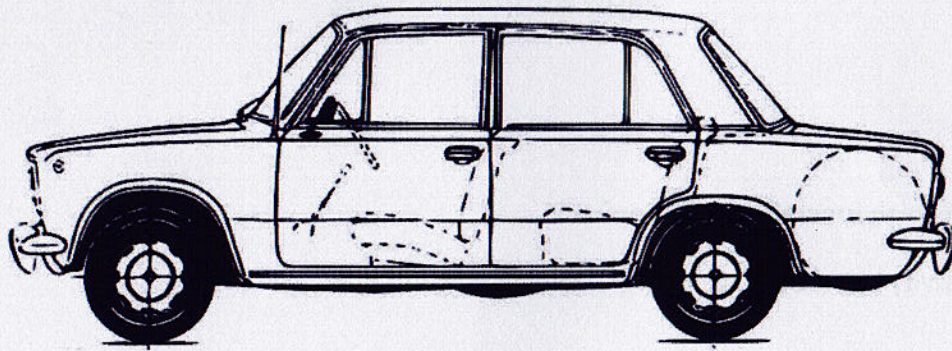


44. Which model would be most appropriate in the communication of the design concept for a new shopping centre to the local community?

- a) Perspective drawing   b) Isometric drawing   c) Mathematical model   d) Physical model

A:

45. Mark the C-pillar in this car:



46. Which type of joint can be best fit for Flooring applications?

- a) Lap joint   b) Butt joint   c) Tongue and groove joint   d) Tenon and mortise joint

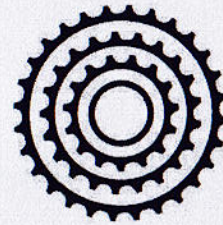
A:

47. What glass would have been used to manufacture the windscreen of the car?

- a) Soda glass   b) Pyrex glass   c) Toughened glass   d) Laminated glass

A:

48. Which gear setting would help you ride a bicycle uphill? Illustrate the chain in the correct position:



49. What is high for craft production?

a) Productivity b) Labour Cost c) Break- even point d) Fixed Cost

A:

50. In which design context would the 50th percentile be used?

a) The height of the door  
c) A safety helmet

b) Mass produced clothing  
d) The height of a kitchen work surface

A:

## **Part B**

1. Draw the scenario: " *An old table clock is kept near telephone on the table and dairy is kept near the telephone, a spectacle is kept on the diary*"

Use lead pencil only. Do not use any drawing instruments like ruler, set square, compass etc.

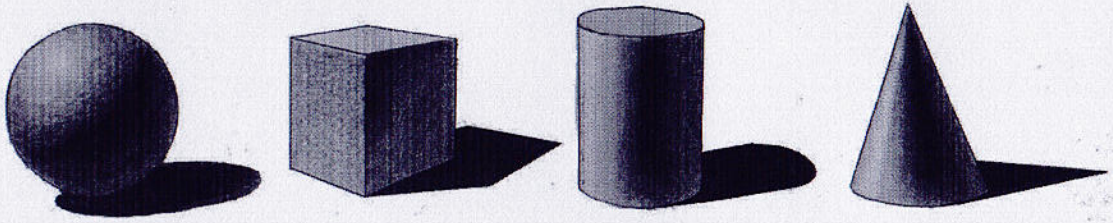
Evaluation Criteria:

1. Composition
2. Shapes and form
3. Light ,shade and shadow
4. Quality of lines

(10 Marks)

**SPACE FOR ROUGH WORK**

2. Combine the following forms to create 10 designs for transport vehicles:



(10 Marks)

3. Illustrate 10 uses for used plastic water bottles.

(10 Marks)

4. Mars is only slightly more than half the size of Earth. The atmospheric pressure on the Martian surface is about 0.6% of earth and 96% of its atmosphere is carbon dioxide. Mars now has no liquid water on its surface and is covered with bare rock and dust. Its average surface temperature is -63 Degree Celsius.

If there was a Martian life form dominating Mars like human beings in Earth, how would they look like? Sketch the Martian of your thoughts and illustrate the life form.

(10 Marks)

5. Due to its growing population and internal migration, Indian cities face a huge challenge in urban mass transportation. Discuss various needs/problems you have observed in this sector and present 10 design solutions / suggestions to solve this issue.

(10 Marks)