

Student Name \_\_\_\_\_

Date \_\_\_\_\_

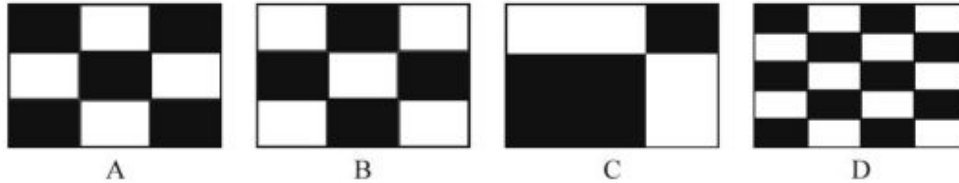
Centre \_\_\_\_\_

**NID DAT 2016 (NEW): Test 7**

**Part A - Questions :- 70 (70 marks)**

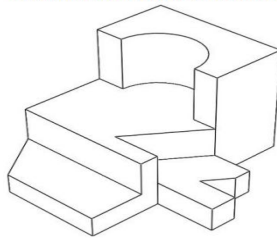
Time: - 2 hrs.

1. Study the visuals shown here. Select one which you fond aesthetically pleasing.



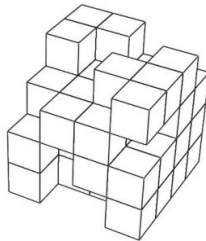
1. A	2. B	3. C	4. D
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2. Count the number of surfaces in the shown solid.



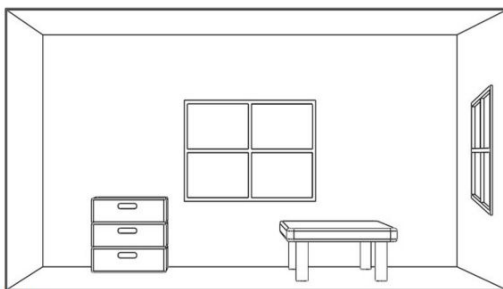
1. 21
2. 23
3. 25
4. 27

3. The figure shown below is a composition of cubes of four by four by four matrix. Some of the cubes are removed, but no cubes those are not visible are removed. How many cubes are there in the whole composition?



1. 45
2. 47
3. 49
4. 51

4. Which object or surface in the given figure is / are not in perspective?



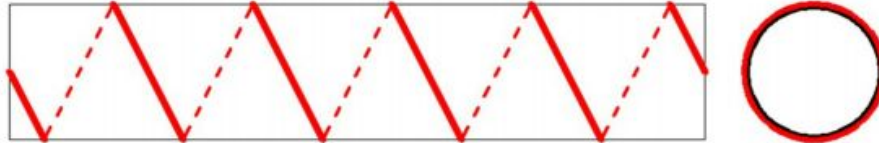
1. Wall
2. Table
3. Windows on the back wall
4. Windows on the side wall

5. The following products are used as?



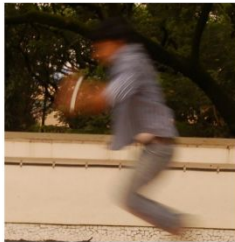
1. Hair Clip
2. Key Ring
3. Christmas Decoration
4. Finger Ring

6. A cylinder 15 cms long has a circumference of 4 cms. A string makes exactly 5 turns around the cylinder, while it's two ends touch the cylinder top and bottom. How long is the string?



1. 20 cms	2. 22 cms	3. 25 cms	4. 28 cms
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7. Observe the photograph and choose the correct option:

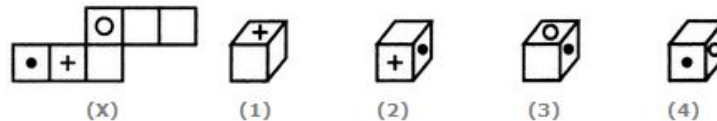


A) The shutter speed was low
B) The shutter speed setting was high
C) There was a camera shake while clicking the picture
D) There was a mistake while saving the image

8. If  $X + Y$  means  $X$  is the daughter of  $Y$ ;  $X - Y$  means  $X$  is the brother of  $Y$ ;  $X \% Y$  means  $X$  is the father of  $Y$  and  $X \times Y$  means  $X$  is the sister of  $Y$ . Which of the following means  $I$  is the niece of  $J$ ?

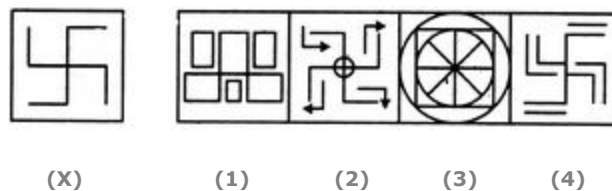
A) $J - N \% C \times I$	B) $I \times C - N \% J$	C) $J + M \times C \% I$	D) $I \times C + N - J$
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9. Choose the box that is similar to the box formed from the given sheet of paper (X).



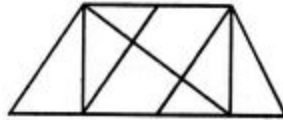
A) 1 only	B) 1, 2 and 3 only	C) 2 and 3 only	D) 1, 2, 3 and 4
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10. Find out the alternative figure which contains figure (X) as its part.



A) 1	B) 2	C) 3	D) 4
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11. Find the number of triangles in the given figure.



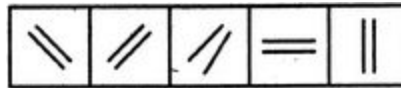
A) 8	B) 10	C) 12	D) 14
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12. Find the number of triangles in the given figure.



A) 22	B) 24	C) 26	D) 28
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13. Choose the figure which is different from the rest.



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

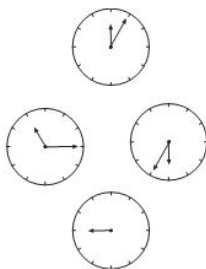
14. Choose the figure which is different from the rest.



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

A) 1	B) 2	C) 3	D) 4	E) 5
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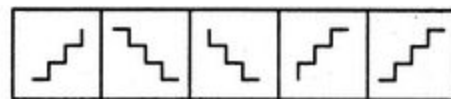
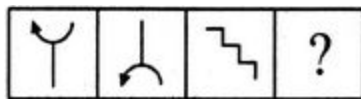
15. Where should the minute hand be put on the bottom clock?



16. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:

Answer Figures:

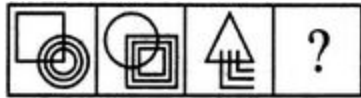


(A) (B) (C) (D)

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

17. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



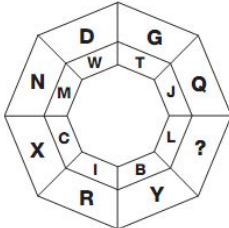
(A) (B) (C) (D)

Answer Figures:



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

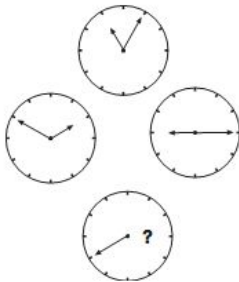
18. Which letter replaces the question mark?



19. Which letter replaces the question mark?



20. Where should the hour hand point to on the bottom clock?



21. The members of the Rajya Sabha are elected by

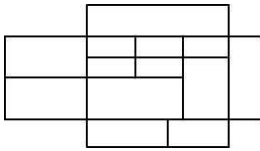
A) the people	B) Lok Sabha
C) elected members of the legislative assembly	D) elected members of the legislative council

22. Select the figure which is the odd one out?



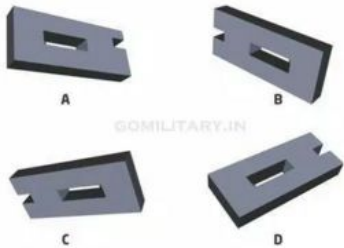
A B C D E

23. How many four sided shapes does this diagram have?



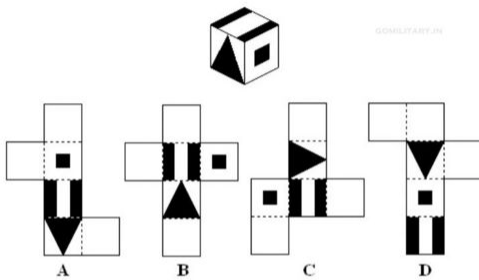
- A. 12-15
- B. 16-21
- C. 22-30
- D. 30-35

24. One of the objects is different from the other three. Find out?



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

25. Which can be folded to make a cube?



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

26. What is the number of triangles that can be formed whose vertices are the vertices of an octagon but have only one side common with that of octagon?

A) 64	B) 32	C) 24	D) 16
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27. Who is the BRAND AMBASSADOR of NOKIA?

A) Sachin Tendulkar	B) Shah Rukh Khan	C) Saif Ali Khan
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28. Who is the brand ambassador of IPL team "Delhi Daredevils" ?

A) Akshay Kumar	B) Priety Zinta	C) Deepika Padukone
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29. Identify this logo?



A B C D

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

30. Which is the official state tree of Maharashtra? \_\_\_\_\_
31. Which city is known as the financial capital of India? \_\_\_\_\_
32. Who remains as the longest serving Chief Minister of Maharashtra? \_\_\_\_\_
33. Identify the following font type:

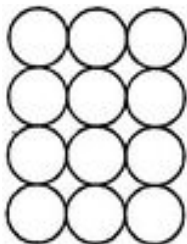
Aa Bb Cc Dd Ee Ff Gg

A) Arial	B) Century	C) Eras	D) Franklin
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34. Who was known as 'Iron man of India'? Ans. \_\_\_\_\_
35. What is the ratio of the width to its height of India's National Flag?

A) 1:2	B) 2:3	C) 4:5	D) 7:8
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36. Which hand cars are driven in London? Ans. \_\_\_\_\_
37. If centers of all the circles are joined by horizontal and vertical lines, then find out the number of squares that can be formed:



A) 8	B) 4
C) 7	D) 6

38. How many religions have been born in India? Ans. \_\_\_\_\_
39. On a standard traffic light, is the green on the top or bottom? Ans. \_\_\_\_\_
40. Which is the most viewed video on Youtube as of today? Ans. \_\_\_\_\_
41. How many sides are there on a standard pencil? Ans. \_\_\_\_\_
42. Iron deficiency causes:

A) Rickets	B) Goitre	C) Cirrhosis	D) Anaemia
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43. Identify the logos below:



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

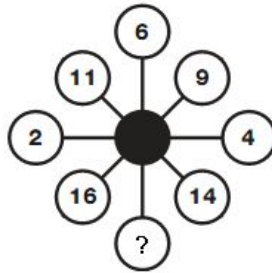
44. Grand Central Terminal, Park Avenue, New York is the world's

A) largest railway station	B) highest railway station
C) longest railway station	D) None of the above

45. Look at this series: 2, 1, (1/2), (1/4), ... What number should come next?

A) (1/3)	B) (1/8)	C) (2/8)	D) (1/16)
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46. Which number replaces the question mark?



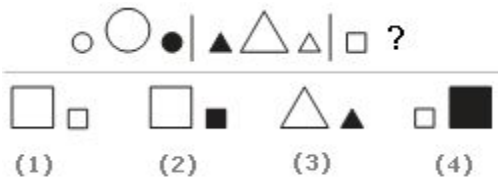
47. UN General Assembly elects a President and how many Vice Presidents at the start of its each regular session?

A) Seven	B) Fifteen	C) Twenty one	D) Two
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48. FAG, GAF, HAI, IAH, \_\_\_\_\_

A) JAK	B) HAL	C) HAK	D) JAI
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49. Find out the continued series?



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

50. Identify the essential part / element \_\_\_\_\_ harvest.

A) autumn	B) stockpile	C) tractor	D) Crop
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51. The story of my experiments with truth is written by.....

52. Who is the author of "The immortals of Meluha".....

53. Identify the Indian design mark symbol:



A



B



C



D

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

54. Identify the car manufacturer based on the visual shown here?



A) Rolls Royce
B) BMW
C) Maruti Suzuki
D) Land Rover

55. Midhuva is a dance form of..

A) Tribal Art	B) Classical	C) Jazz	D) Hip Hop
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56. Identify the musician pictured below:



A) Pandit Shivkumar Sharma
B) Pandit Vishwamohan Bhatt
C) Pandit Hariprasad Chaurasia
D) Pandit Bhajan Sopori

57. Which sector is the single-largest consumer of fresh water in India?

A) Industry	B) Power	C) Domestic	D) Agriculture
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58. Which is the most common non-commercial biological fuel in a large number of developing countries?

A) Animal dung	B) Crop residue	C) Coal	D) Fuelwood
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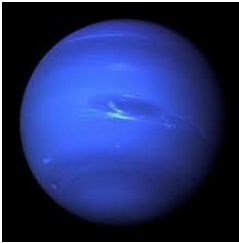
59. Identify the animal from the skin texture:





A) Giraffe
B) Tiger
C) Zebra
D) Cheetah

60. Neptune gets its blue color from what gas?



A) Methane	B) CFC
C) Nitrogen	D) Co2

61. Identify the Musical instrument shown below



A) Sitar	B) Tanpura
C) Sarod	D) Rudra Veena

62. Garbage can be put under four categories: organic, toxic, soiled, and recyclable. Of the organic waste, this forms an important part.

A) Plastic bags	B) Vegetable peels	C) Glass	D) Metal
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62. pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day?

A) 9	B) 10	C) 11	D) 12
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63. The GAP (Ganga Action Plan) – a project to clean up the polluted waters of the Ganga - plans to intercept and divert municipal sewage falling into the river from 25 large urban conglomerates in three states. Name them.

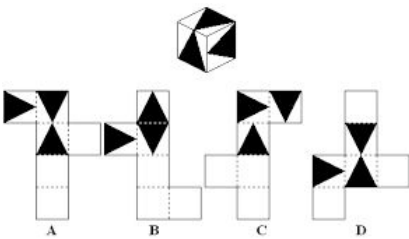
A) UP, Haryana and Punjab	B) UP, Bihar and West Bengal
C) Himachal Pradesh, UP, and Haryana	D) Orissa , Bihar and West Bengal

64. Identify the caves ....



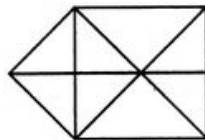
A) Ajanta Ellora	B) Elephanta
C) Chanakyas	D) Simba Caves

65. Identify the current pattern which will make this cube:



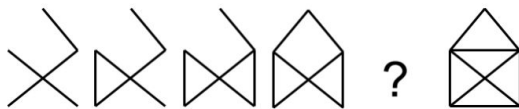
A) A	B) B
C) C	D) D

66. Find the number of triangles in the given figure.

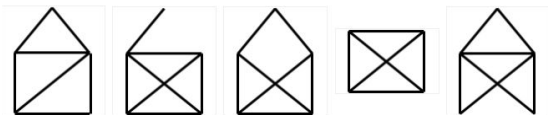


A) 15	B) 16
C) 17	D) 18

67. choose the image that completes the pattern :



Which of the shapes below continues the pattern :



68. Worlds Environment day celebrated on :

A) 5 June	B) 26 July	C) 21 November	D) 15 December
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69. There are three kinds of deserts in India: sand desert, salt desert, and cold desert. One of the states has a cold desert. Name it.

A) Jammu and Kashmir	B) Himachal Pradesh	C) Rajasthan	D) Gujarat
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70. World Wildlife Fund was founded in :

A) 1961	B) 1965	C) 1969	D) 1992
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<b>Part B - Questions :- 3 (30 marks)</b>	<b>Time: - 1 hrs.</b>
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No	Question	Marks
1	The Union Government of India has initiated a program to create 100 smart cities in India over next 10 years. Suggest 3 methods to make the city you live in a smart city. You can support your suggestions through sketches. <i>(Expected Question) (Time: 20 mins)</i>	10
2	i. Depict the story of any of your favourite movie in 5 steps. Colour the same in 4"X4" boxes. Focus on visualisation, creative presentation and situation analysis. ii. Write the story of the movie in not more than 5 sentences. <i>(Expected Question) (Time: 20 mins)</i>	10
3	After looking at the picture below, what are the problems you think a sports person would face while riding it? Mention any 3 of them in detail and color it. Explain in 20 words each.  <i>(Expected Question) (Time : 20 mins)</i>	10



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