

SET [Design] – Sample Questions

Name :	SET ID						
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Please read the following instructions carefully.

1. Do not open the seal until the Invigilator instructs you to open.
2. The test booklet contains the Answer OMR Sheet. Make sure that the Answer OMR sheet
3. is not damaged in any way.
4. Use only a blue/black ballpoint pen to darken circles in the Answer OMR Sheet.
5. Write your SET-ID and darken appropriate circles in the Answer OMR Sheet.
6. The SET General Test Structure:

Topics	No. of Questions	Total Marks
Objective questions on color, geometry, visual observations, creative thinking abilities, general design awareness, awareness on Indian culture, craft and traditions etc.	150	150
Total	150	150

7. In the Answer OMR Sheet, darken the circles against the question numbers indicating your answers. For example, if your answer is B for a question, then darken as follows:

a b c d
 O ● O O

Darken only one circle. If you darken more than one circle against any question, you will score zero mark.

8. Do not attempt to copy or allow others to copy. Any malpractice will invalidate your candidature.
9. Return the Answer OMR Sheet to the Invigilator before you leave the hall.
10. Do not leave the hall at any point of time without handing over your Answer OMR Sheet to the Invigilator.
11. Once you go out of the hall, re-entry is not permitted.
12. You may retain this Test Booklet with you.

Sample Questions - Design Aptitude

1. The image shown here is that of a nautilus shell (cut away). Identify the curve in it.



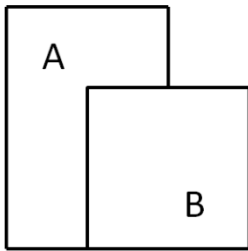
- a) logarithmic spiral
b) hyperbola
c) parabola
d) cycloid
2. In CMYK, K stands for_____.
- a) Kite
b) Black
c) Khaki
d) Kiwi Green
3. An artist uses only the primary colors to get any color. If in a painting of yellow flowers and green leaves, the artist substitutes the color yellow with red, then all the leaves would look_____.
- a) Red
b) Blue
c) Purple
d) Yellow
4. It is not required to have _____ pigment to make the colors - turquoise, teal and lime.
- a) red
b) blue
c) orange
d) black

5. The following symbol is related to:



- a) flying snakes
- b) flying reptiles
- c) aviation
- d) medicine

6. Which of the two areas is larger? (The given figures are to the proportionate scale)

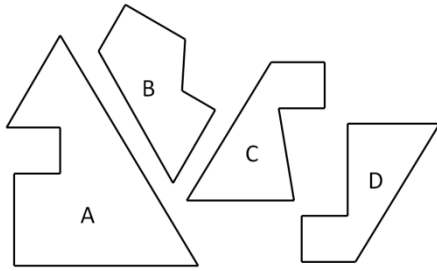


- a) A
- b) B
- c) both has same areas
- d) information is insufficient

7. In a coded language, 'GAME' is written as 'FZLD'. How will you write 'BALL'?

- a) AKKZ
- b) AZKK
- c) AZZK
- d) AKZZ

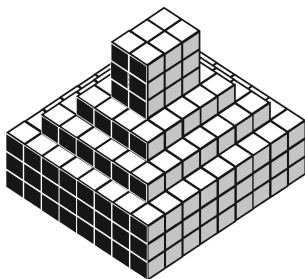
8. Which of the following two will fit together to form a triangle. The given figures are to the same scale and you may rotate them.



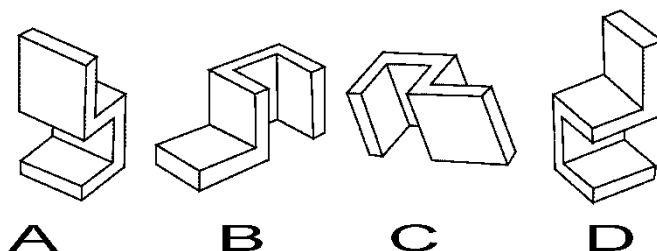
- a) A and B
 - b) A and C
 - c) A and D
 - d) B and D
9. Compared to solid bones, Hollow bones in birds and animals help in increasing the Strength:Weight ratio. This statement is _____.

- a) True
- b) False
- c) True for birds and not for animals
- d) True for animals and not for birds

10. It is proposed to make a cubical structure with cubical bricks. Calculate the minimum missing number of bricks required to complete the cube structure.

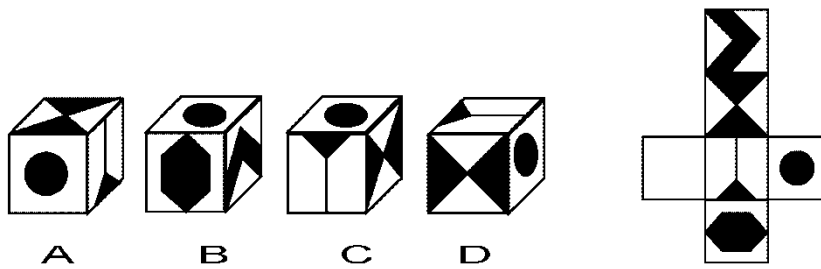


- a) 333
 - b) 533
 - c) 633
 - d) 433
11. Which of the following two objects are similar?



- 1 A and B
- 2 A and C
- 3 B and C
- 4 B and D

12. Which of the following paper boxes has been unfolded to generate the layout surface shown on the right side?



- a) A
- b) B
- c) C
- d) D

13. Which of the following is not a synonym for "Rangoli" in Indian languages?

- a) kolam
- b) alpana
- c) muggu
- d) kucchipuddi

14. Which of these are not famous folk tales of India?

- a) Hitopdesha
- b) Jataka
- c) Ashok Stambh
- d) Panchtantra

15. The degree between any two spokes of an Ashok Chakra is _____.

- a) 12
- b) 15
- c) 18
- d) 20

16. Which of these is not a creation of Leonardo Da Vinci?

- a) The Last Supper
- b) Mona Lisa
- c) David

d) Annunciation

17. Which of these is not a comic character?

- a) Chacha Chaudhary
- b) Superman
- c) Batman
- d) Michaelangelo

18. Kalamkari is an ancient Indian art. Literally, it means _____.

- a) Pen Work
- b) Stone Work
- c) Pen Manufacturing
- d) Ink Work

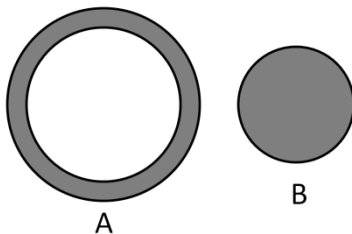
19. Which of the following is not a kind of stone?

- a) Lapis Lazuli
- b) Cat's Eye
- c) Terracotta
- d) Agate

20. Amongst all the metals, Silver has:

- a) highest electrical conductivity
- b) highest thermal conductivity
- c) high reflectivity
- d) all of the above

21. Given the same area, the same length and the same material, which of the following cross section will give more strength as a pillar to carry load?

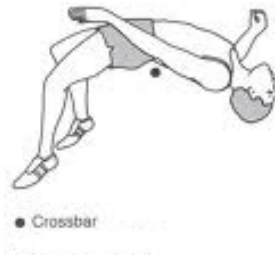


- a) A
- b) B
- c) both will have the same strength
- d) they cannot be compared

22. The ratio "Volume:Surface Area" is largest for _____.

- a) Sphere
- b) Square
- c) Ellipsoid
- d) Cylinder

23. An athlete is jumping over the cross bar in high jump as shown in the figure. At this instance, the centre of gravity of the human body is _____.



- a) beneath the body
- b) within the body
- c) above the body
- d) at the hip

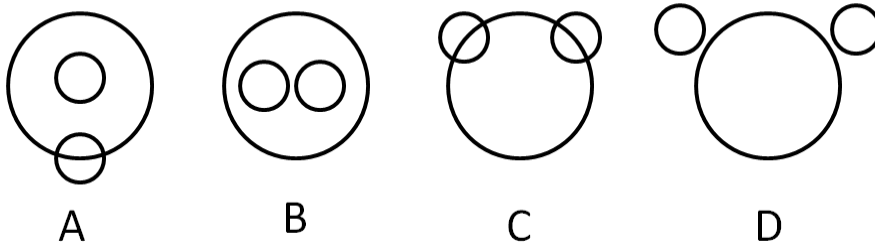
24. Which of the following is not a property of light?

- a) Wavelength
- b) Radiance
- c) Luminance
- d) Reflectivity

25. The birds are able to fly because of upward surface force created by the stream of air beneath its wings. In aerodynamic terms, this force is called _____.

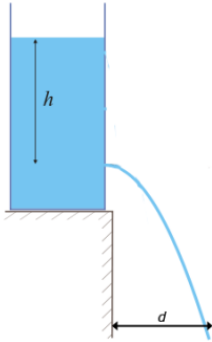
- a) lift
- b) drag
- c) thrust
- d) impact

26. Which diagram represents the relationship between mangoes, apples and fruits?



- a) A
- b) B
- c) C
- d) D

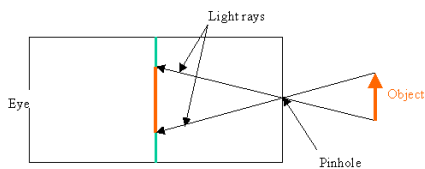
27. The diagram shows a tank with an orifice. As the height of water "h" in the tank increases, the distance "d" up to which the jet shoots _____.



- a) increases
- b) decreases
- c) remains the same
- d) none of the above

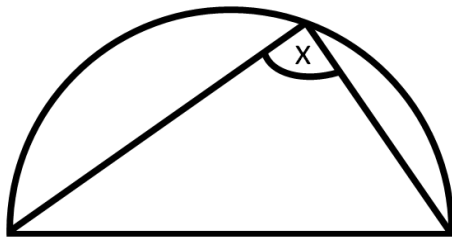
28. The image projected through a pinhole camera is:

Pinhole Camera : Principle



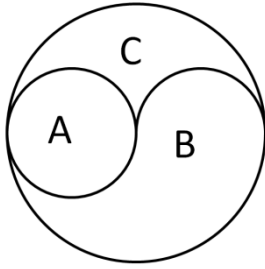
- a) inverted laterally but not vertically
- b) inverted vertically but not laterally
- c) inverted laterally and vertically
- d) upright laterally and vertically

29. The angle x inscribed on the semicircle is always:



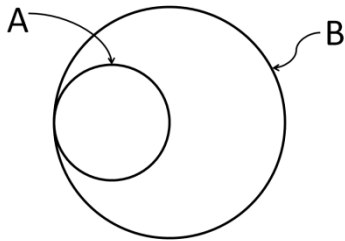
- a) less than 90
- b) less than 120
- c) exactly 90
- d) exactly 120

30. The ratio of the areas A:B:C of the Circle shown here is



- a) 1:2:1
- b) 1:1.5:1.5
- c) 1:2:1.5
- d) 1:2.5:1.5

31. A person requires 1 liter of paint to draw the circle A. With the same brush, how much paint will he need to draw the circle B?



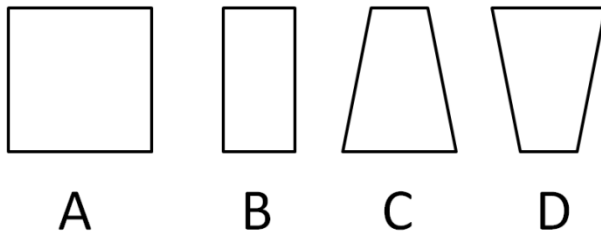
- a) 1 liter
- b) 2 liters
- c) 3 liters
- d) 4 liters

32. If gear X turns clockwise at 5 rpm, how does gear Y turn?



- a) clockwise 5 rpm
- b) clockwise 10 rpm
- c) anticlockwise 10 rpm
- d) anticlockwise 5 rpm

33. Which of the following figures has its Centre of Gravity closest to its bottom base?



- a) A
- b) B
- c) C
- d) D

34. Set of points makes a _____.

- a) dialogue
- b) stippled image
- c) line
- d) statement

35. A slant line depicts _____.

- a) motion
- b) shape
- c) curve
- d) direction

36. Shape has an implied _____.

- a) pattern
- b) reason
- c) color
- d) boundary

37. Which are the basic geometric shapes using which human form is depicted in Warli Art

- a) Square, pentagon, circle
- b) Triangle, circle, line
- c) Hexagon, square, zigzag line
- d) Rectangle, square, Octagon

38. Padmapani Bodhisatva is seen at _____.

- a) Ajanta Caves
- b) Bhim Betka Caves
- c) Udaygiri Caves
- d) Kanheri Caves

39. Unity is the organization of the elements and principles into a pleasing whole design or composition. It is seen in _____.

- a) A flower vase with lots of single color flowers
- b) Vase with different colors flowers
- c) Vase with different flowers in single colors
- d) Snake skin

40. Identify the identity of Sony TV from the below given visual options.



A. B. C. D.

- a) A
- b) B
- c) C
- d) D

41. JPG is the extension for _____ files

- a) Microsoft Outlook
- b) Microsoft Word
- c) Music
- d) Image

42. Texture is the surface quality of an object. There are two categories of texture: real texture and tactile or visual texture. Real texture refers to how the object would feel if it was _____.

- a) Touched
- b) Seen and touched
- c) Printed on paper
- d) Created by hand

43. Gradation of color from warm to cool and tone from dark to light produces _____.

- a) Perspective
- b) Depth
- c) Height
- d) weight

44. Smooth lines give a feeling happiness, so the zigzag lines show _____.

- a) Love
- b) Friendship
- c) Tension
- d) None of above

45. Night scenes of nature are created with the absence of _____ color.

- a) Blue
- b) White
- c) Green
- d) Red

46. Ceramic design is _____.

- a) Paintings
- b) Sculpture
- c) Pottery
- d) Photography

47. Raja Ravi Verma is known as _____.

- a) Freedom Fighter
- b) Journalist
- c) Historian
- d) Classic Painter

48. Symbol of Indus Valley Civilization is _____.

- a) Bull
- b) Goat
- c) Horse
- d) Deer

49. Rupee Symbol has letterform of _____.

- a) Roman Script
- b) Tamil Script
- c) Bangla Script
- d) Devanagari Script

50. Which of the following is a famous dance of kerala?

- a) odissi
- b) manipuri
- c) lavani
- d) mohiniattam

Note: The actual question paper would have 100 more questions from the similar topics.