

UCEED MOCK TEST



NAME:-

BATCH:-

DATE:-

INSTRUCTIONS:-

Total Questions – 57

Total Marks – 200 Marks

Instructions:-

PART-A

Section 1: Numerical Answer Type (NAT) questions

Section 1 (56 Marks) of Part-A contains a total of 14 Numerical Answer Type (NAT) questions.

For each question, the answer is a real number that needs to be entered using the virtual keyboard on the monitor. Questions from 1 to 14 belong to this section.

Section 2: Multiple Select Questions (MSQ)

Section 2 (60 Marks) of Part-A contains a total of 15 Multiple Select Questions (MSQ). Each question may have one or more than one correct choice(s) out of the four given.

Section 3: Multiple Choice Questions (MCQ)

Section 3 (84 Marks) of Part-A contains a total of 28 Multiple Choice Questions (MCQ). Each question has four choices out of which ONLY ONE is the correct answer.

1. Figure 1 has been constructed by overlapping some alphabets. Assuming the alphabets may be rotated, how many alphabets from figure 2 cannot be overlapped to fit within figure 1?



Figure 1



Figure 2

Ans _____

2. How many different types of characters appear in the figure given below?

Б	Г	З	И	Г	И	Л
Л	Ж	О	Ц	Ч	Б	З
Щ	Ч	Б	Ш	А	П	Ц
Ч	Е	Ю	Ж	Д	Ж	О
Д	П	Ф	А	Ь	Ю	Ь
А	Б	Ь	А	Л	Ь	Ж
Ө	Ж	П	Э	Д	С	Б

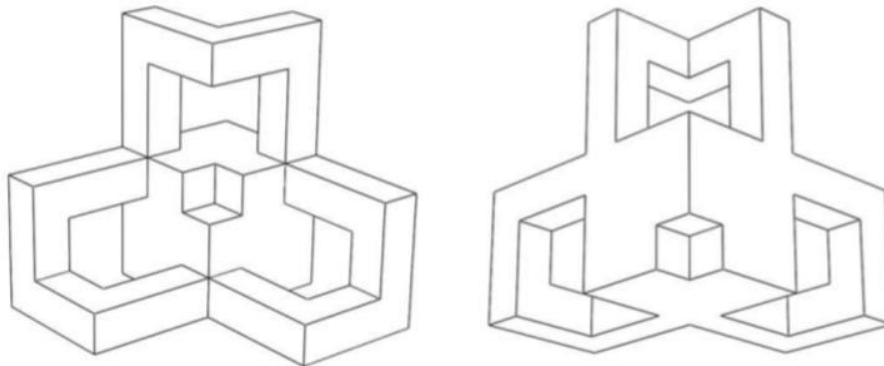
Ans _____

3. How many fonts are used in the given set of words?

मुनिः सर्वदा सर्वेषां विषये उत्तमम् एव
चिन्तयन् अभयप्रदानं कुर्वन् सञ्चरति।
तस्य अन्यस्मात् कस्मात् अपि भयं न
भवति । यत् भावयति तत् भवति।

Ans _____

4. Shown below are two views of the same 3D object. How many non-contiguous surfaces are there in the object?



Ans _____

5. Figure 1 is formed by a black square inscribed in a white circle which in turn is inscribed in another black square of side 2 cm as shown. If a point is chosen at random inside figure 1, what is the probability that the point will be in the area shaded black?

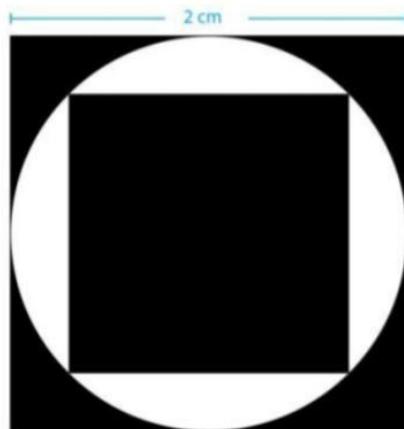


Figure 1

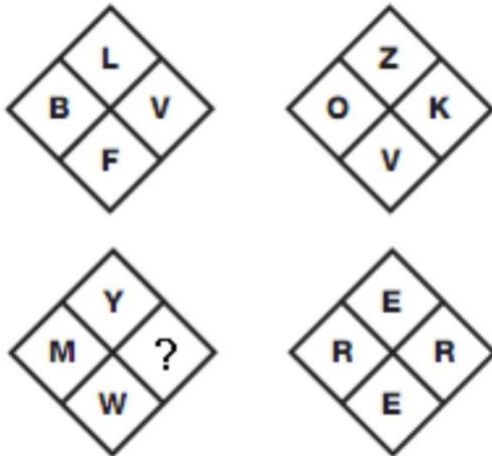
Ans _____

6. A shopkeeper is offering discounts for the festive season. The discount is based on a series. The following table depicts the first five combinations of this series. The purchase amount and discount are in rupees. How much is the discount for a purchase of Rupees 75,000?

Purchase	Discount
≥ 151 and < 301	19
≥ 301 and < 601	49
≥ 601 and < 1201	109
≥ 1201 and < 2401	229
≥ 2401 and < 4801	469

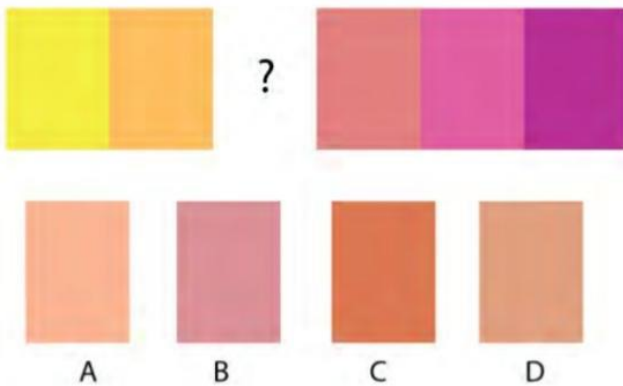
Ans _____

7. Which letter replaces the question mark.



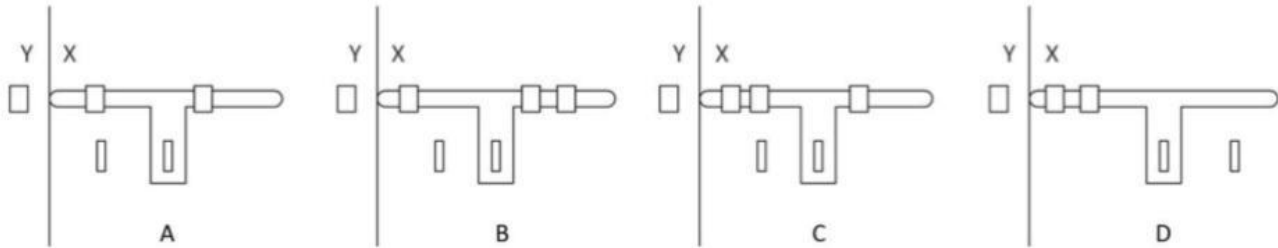
Ans _____

8. Choose the colour that should replace the question mark.



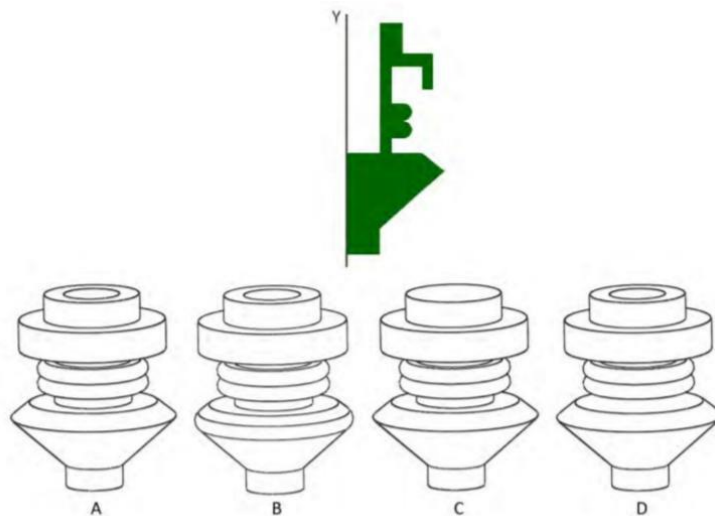
Ans _____

9. Shown below are schematic diagrams of a regular door latch. X represents the door, and Y represents the frame in the wall. Identify which latch can be used for correctly locking the door.



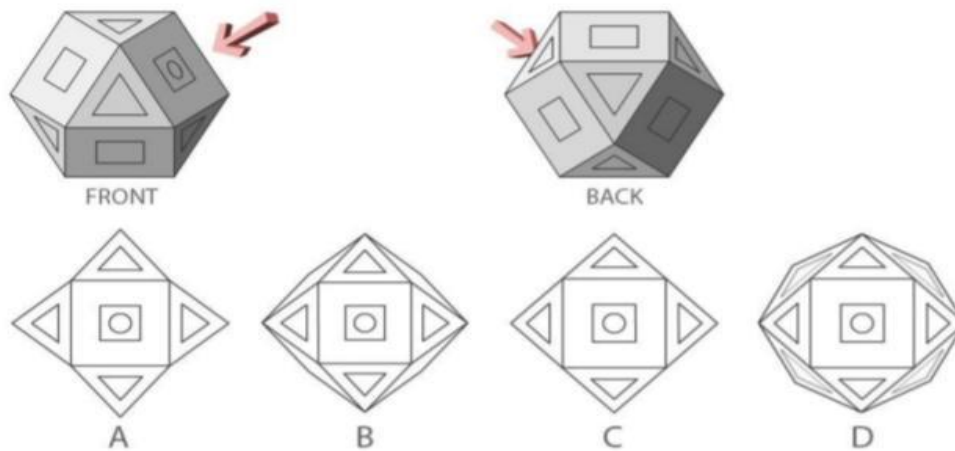
Ans _____

10. If the given flat shape is revolved about the Y axis by 360° , identify the solid shape that will be generated.



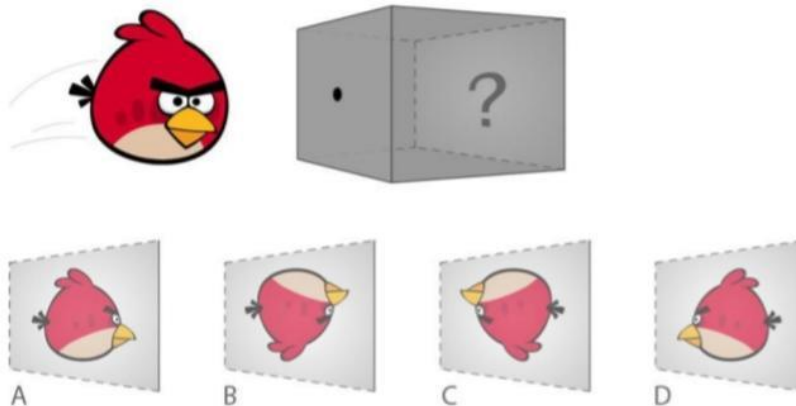
Ans _____

11. Two different views of a solid object are shown below. If viewed from a different direction as the arrows suggest, what would the view be?



Ans _____

12. An angry bird is flying in front of a pin-hole camera as seen in the picture below. If it flies back in the opposite direction, what would be the image cast on the inner wall of the camera?



Ans _____

13. Can you decode the hidden meaning in the rebus below?

**GOODGOOD
MEMEMEME**

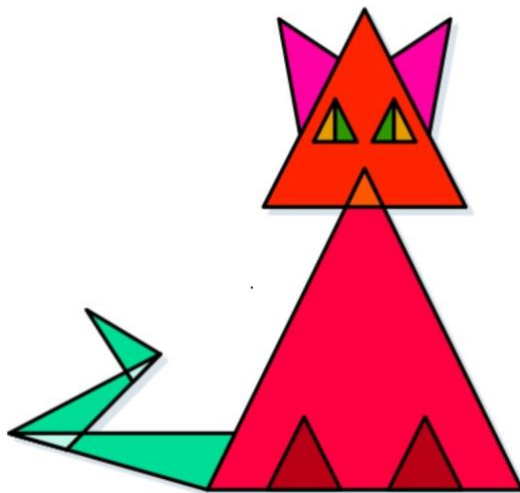
Ans _____

14. Identify the following logo



Ans _____

15. How many triangles can you find in this given picture?



a. 15

b. 20

c. 25

d. 10

16. Name the famous personality given below



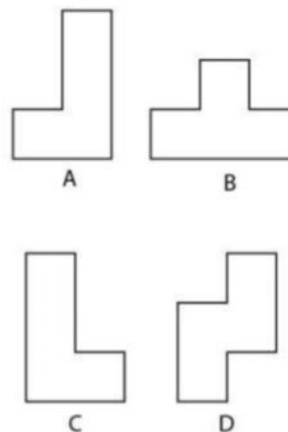
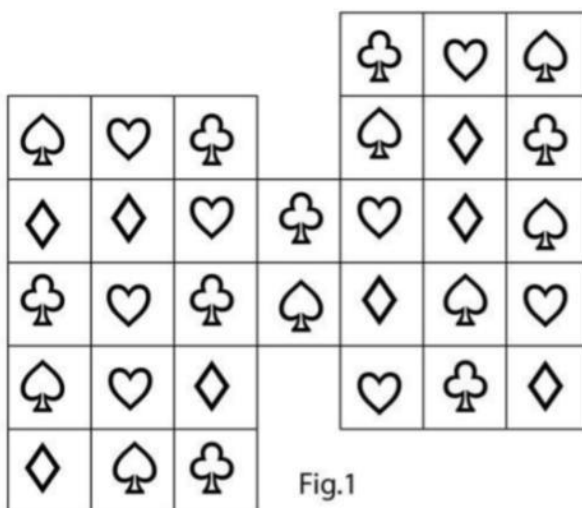
a. Kastoorba Babi

b. Rani Laxmi Bai

c. Sarojini Naidu

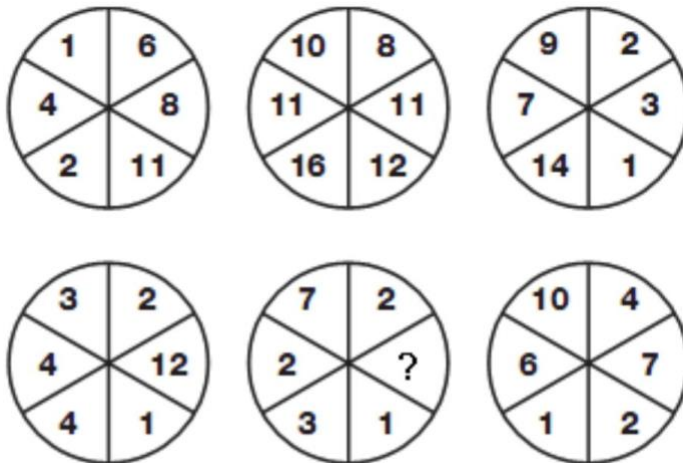
d. None of the above

17. The shapes given in the options can be used to cut figure 1 into a number of identical pieces. Which shape will cut figure 1 such that, all four symbols are included in each of the pieces, and no symbols are left over?



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

18. Which number replaces the question mark.



- a. 5
- b. 10
- c. 15
- d. 20

19. Choose the alternative which is closely resembles the water-image of the given combination.

wrote

(1) w10f e

(2) M10f e

(3) MLOf e

(4) MLOf e

- a. 1
- b. 2
- c. 3
- d. 4

20. Which of the statement(s) is/are TRUE?

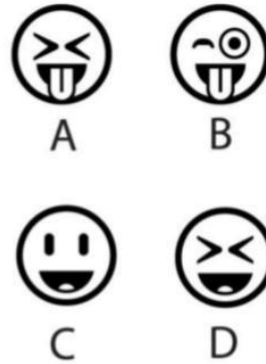
- A. Agricultural activities and use of fertilizers leads to higher nitrous oxide concentration
- B. Deforestation leads to decrease in carbon dioxide due to human activities
- C. Oxygen and ozone are not greenhouse gases
- D. Global warming leads to sea level rise

21. Shown on the left is the logo of Beijing Olympics. Which of the pictogram(s) was/were used in the same Olympics?



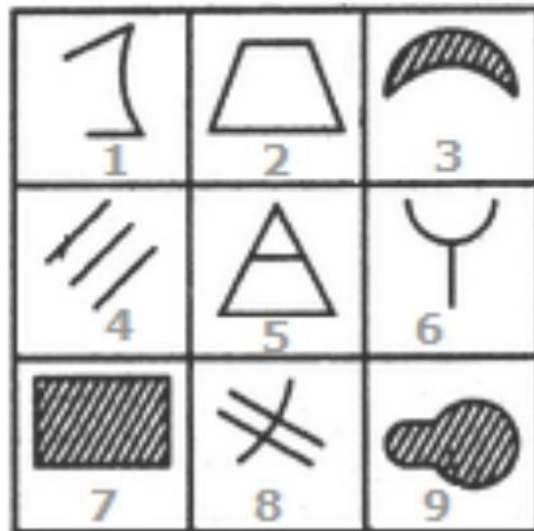
- A. A
- b. B
- c. C
- d. D

22. Identify the option that will replace the question mark.



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

23. Group the given figures into three classes using each figure only once.



- A. 1,3,6 ; 4,5,8 ; 2,7,9
- B. 2,3,9 ; 4,5,8 ; 1,6,7
- C. 1,6,8 ; 3,7,9 ; 2,4,5
- D. 3,8,9 ; 1,2,7 ; 4,5,6

24. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



(X)



(1)



(2)



(3)



(4)

- a. 1
- b. 2
- c. 3
- d. 4

25. Identify the figure that completes the pattern.



(X)



(1)



(2)



(3)



(4)

- a. 1
- b. 2
- c. 3
- d. 4

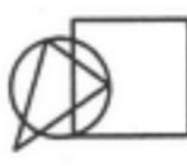
26. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



(X)



(1)



(2)



(3)



(4)

- a. 1
- b. 2
- c. 3
- d. 4

27. Which of the option(s) describe(s) the films shown below in the correct order?



1



2



3



4



5



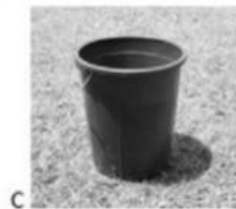
6

- A. Animation, Adventure, Interview, Fantasy, Comedy, Documentary
- B. Comedy, Adventure, Documentary, Science-Fiction, Mystery, Action
- C. Animation, Adventure, Documentary, Action, Film Noir, War
- D. Comedy, Drama, Action, Science-Fiction, Romance, Thriller

28. When photographs are taken on bright sunny days, there is a possibility of an intense glare appearing in the photograph. Which action(s) can be taken to avoid the glare?

- A. Change the angle of the camera
- B. Open up the aperture to its maximum
- C. Attach a lens hood
- D. Use a polarizing filter

29. Black & white photographs of the bin shown in Picture 1 were shot using red, yellow, and green colour filters. An additional black & white photograph was shot without any filter. From the given options, identify the photograph shot using red filter.



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

30. Here are two sketches of Priyanka standing in front of a mirror. Spot the differences in the two sketches, and choose the correct number of differences from the options given below:



- a. 5

b. 7

c. 10

d. 15

31. In the following the questions choose the word which best expresses the meaning of the given word.

DILIGENT

A. Progressive

B. Brilliant

C. Inventive

D. Hard-working

32. Choose the odd one out.

A. BdEg

B. KmNp

C. PrSu

D. TwXz

33. Choose the odd one out.

A. ABDG

B. IJLO

C. MNPS

D. RSUY

E. PQSV

34. Which of the following is a/are river(s):

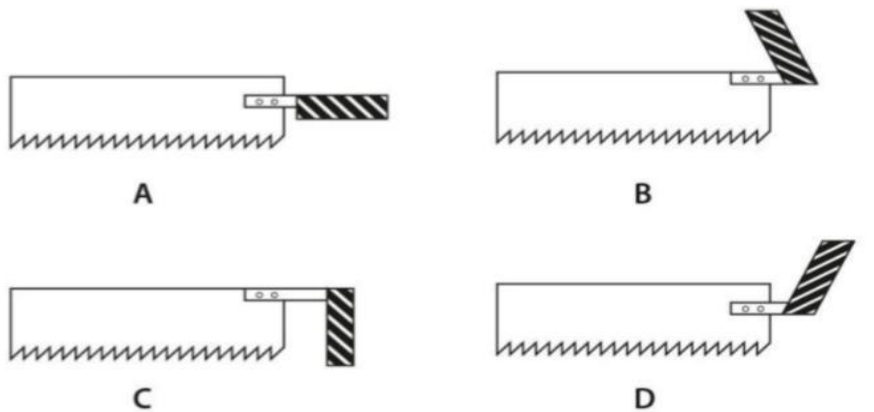
A. Alakhnanda

B. Parvati

C. Vaigai

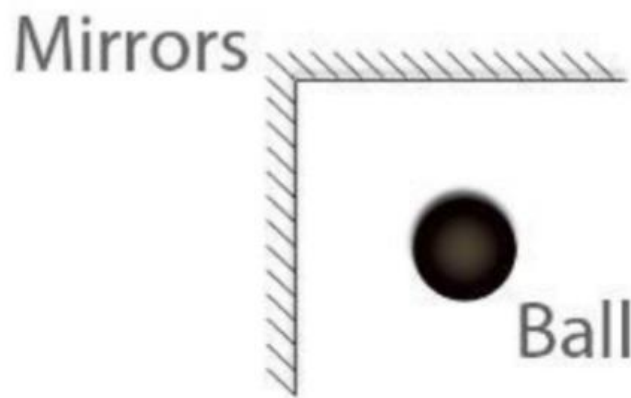
D. Baralacha La

35. Shown below are different handle positions of a hand tool. Identify which handle position gives the most comfortable hand posture for a downward to-and-fro motion.



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

36. If a ball is placed in front of two mirrors at right angles to each other, as shown in the image, How many reflections will the ball generate?



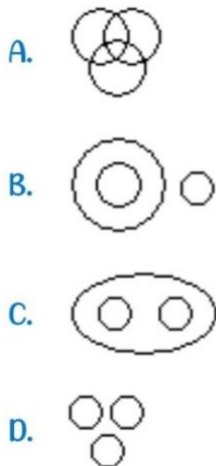
- a. 7

b. 9

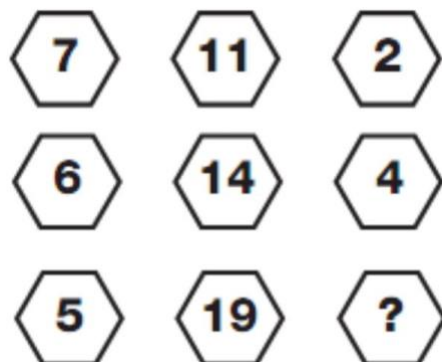
c. 3

d. 1

37. Which of the following diagrams indicates the best relation between Furniture, Chairs and Tables ?



38. Which number replaces the question mark.



a. 4

b. 10

c. 8

d. 12

39. An image strip is cut into four pieces. Identify the correct sequence that will complete the image correctly.



P



Q



R



S

- A. Q, R, P, S
- B. Q, P, S, R
- C. P, S, Q, R
- D. R, P, S, Q

40. Each of the shapes is associated with one or more alphabets. Identify the alphabet(s) for the last shape.



C



F



H



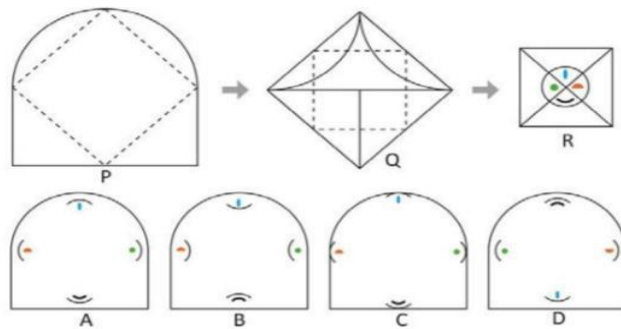
HD



?

- a. H
- b. HF
- c. F
- d. C

41. Shape P is folded along the dotted lines to form shape Q and then folded again to form shape R. Identify the pattern on the backside of P.



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

42. Statements: All men are vertebrates. Some mammals are vertebrates.

Conclusions:

All men are mammals.

All mammals are men.

Some vertebrates are mammals.

All vertebrates are men.

- A. Only (4)
- B. Only (2)
- C. Only (3)
- D. Only (1)
- E. Only (1) and (3)

43. Statements: All the phones are scales. All the scales are calculators.

Conclusions:

All the calculators are scales.

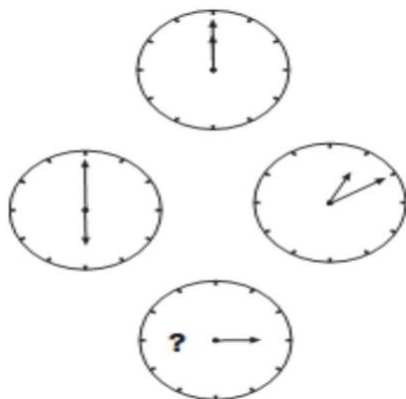
All the phones are calculators

All the scales are phones.

Some calculators are phones.

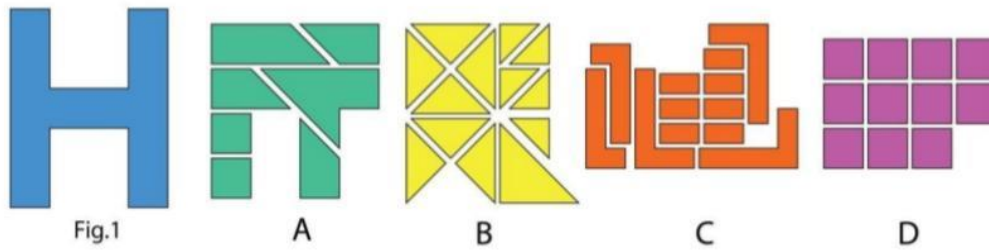
- A. Only (1) and (4)
- B. Only (3) and (4)
- C. Only (2) and (4)
- D. Only (1) and (2)
- E. Only (1) and (3)

44. What should be the time hand point to on the bottom clock.



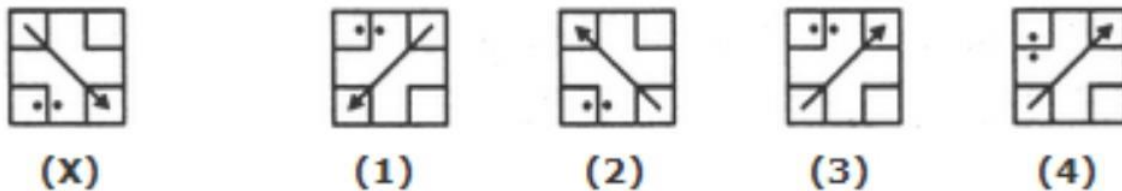
- a. Minute hand pointing to 4
- b. Minute hand pointing to 6
- c. Minute hand pointing to 8
- d. Minute hand pointing to 1

45. The given figure 1 is cut into pieces. Identify the option whose pieces can be correctly assembled to form the figure 1.



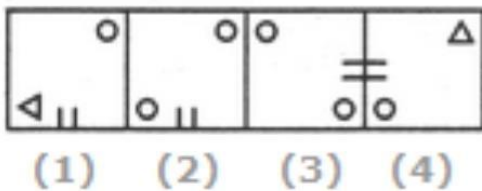
- a. A
- b. B
- c. C
- d. D

46. Choose the correct water image of the given figure (X) from amongst the four alternatives.



- a. 1
- b. 2
- c. 3
- d. 4

47. Select a suitable figure from the four alternatives that would complete the figure matrix.



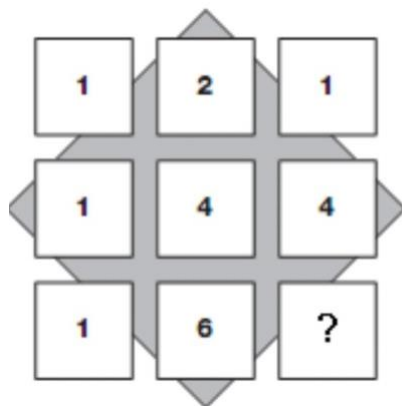
a. 1

b. 2

c. 3

d. 4

48. Which number replaces the question mark.



a. 1

b. 4

c. 10

d. 9

49. Choose the pair that best represents a similar relationship to the one expressed in the original pair of words.

PHOBIC : FEARFUL

- A. finicky : thoughtful
- B. cautious : emotional
- C. envious : desiring
- D. shy : familiar
- E. asinine : silly

50. Choose the set of words that will correctly complete the following five sentences from the word sets given in the options

I. He (lays / lies) the book on the table.

II. The new rules (affected / effected) positive changes in the school.

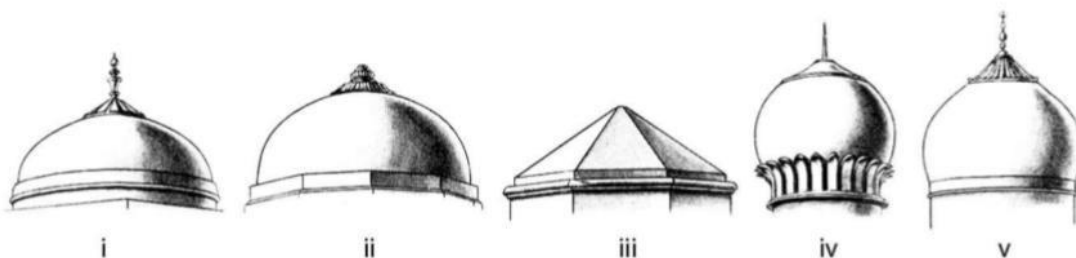
III. The road through the mountains was (tortuous / torturous).

IV. The nurse was able to (staunch / stanch) the bleeding.

V. When rain threatens, fans are (reticent / reluctant) to buy tickets to the cricket match.

- A. lies, effected, tortuous, stanch, reluctant.
- B. lies, affected, torturous, staunch, reticent.
- C. lays, effected, torturous, staunch, reluctant.
- D. lays, effected, tortuous, stanch, reluctant.

51. Below is a set of pictures that show the variety of domes used in Islamic architecture in India. Select the order in which the design of the domes were developed, from the 13th to the 18th Centuries CE.



A. ii, iii, iv, I, v

B. iii, I, ii, iv, v

C. iii, ii, I, iv, v

D. ii, iii, v, I, iv

52. Water is kept in four identical beakers but made of four different materials—shiny tin, matt black tin, shiny stainless steel and blue colour plastic. When kept under the sun, with the same amounts of water and for the same amount of time, water in which of the beakers will be the hottest?

A. Shiny tin beaker

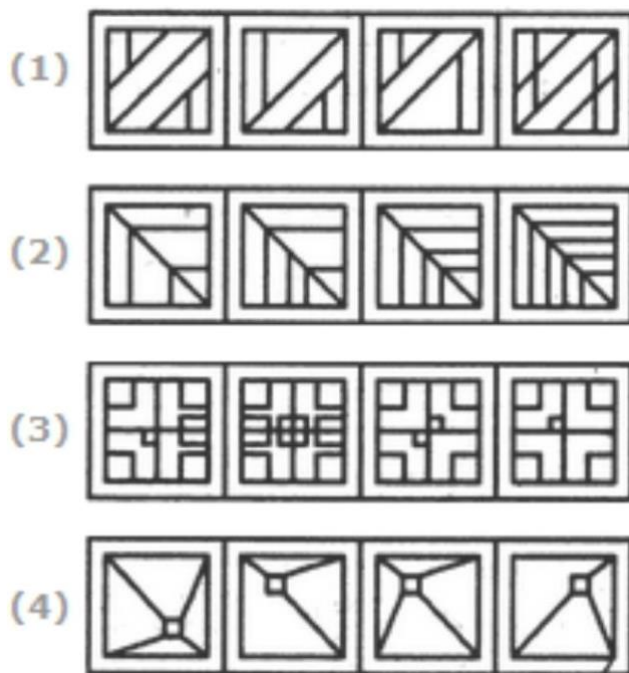
B. Shiny stainless steel beaker

C. Blue colour plastic beaker

D. Matt black tin beaker

53. Choose the set of figures which follows the given rule.

Rule: The series becomes complex as it proceeds.



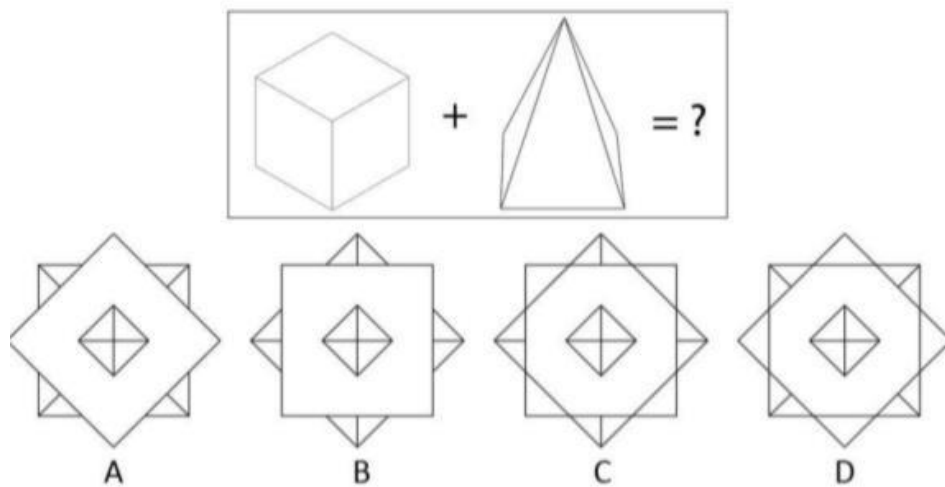
a. A

b. B

c. C

d. D

54. A cube of side 10 cm is merged with a square pyramid of base 10 cm and height 15 cm. The centers of the base for both the objects are aligned. Identify the top view of the resultant figure from the options given below.



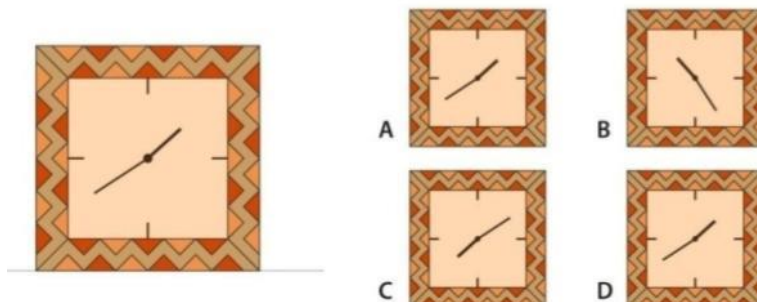
a. A

b. B

c. C

d. D

55. A naughty kid plays with a clock kept on a table as shown below. She changes the hour and minute hands clockwise adding 8 hours and 45 minutes to the time and places the clock by rotating 270 degrees anti-clock wise. Identify the option that shows the modified time?



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

56. A point P is placed at a distance of 12 cm from the centre of a circle of radius 17 cm. How many integer length chords of this circle can pass through P?

- A. 19
- B. 24
- C. 32
- D. 360

57. An oxymoron is a figure of speech in which contradictory images or words are juxtaposed in order to intensify a statement or to produce a heightened poetic effect. Which of the statements given below is NOT an oxymoron?

- A. We eat in order to live, not live in order to eat.
- B. Still-waking sleep, that is not what it is!
- C. No light, but rather darkness visible.
- D. To that bad eminence; and from despair.