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## Chapter

## Classification

We know that different objects have different types of properties and we can make a group of objects those having common properties. So different objects can be grouped on the basis of their common properties and to differentiate them, is known as figure classification. This chapter is designed to judge the candidates ability to classify or segregate a group of objects, from the given objects, on the basis of their common properties which possess shape, number of sides, division of figures etc. In this type of questions, we will be asked to find out figure which is different in nature or characters from the group.

Types of questions based upon classification are discussed in details in this chapter.

#### 1. Classification Based on Rotation of Similar Figure

In this type questions, Some figure in clockwise or anticlockwise direction. Figure that cannot be obtained by the rotation of another figure. That figure is odd figure.

#### **Direction (Example 1 and 2)**

In the following questions, a group of five figures are given. Out of these four figures are similar in a certain way and one is different from others. Find the odd figure out.

Ex. 1.







(D)





[UCO Bank (PO) 2010]

**Sol.**(C): First of all, we should observe carefully all the figures. We find that all other figures except can be obtained by rotating in clockwise or anticlock wise direction.

(C)

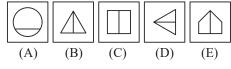
- Ex. 2. (B) (A) (D) (E) (C)
- Sol.(D): All the other figures except (D), can be obtained by rotating in clockwise or anticlockwise direction.

#### 2. Based on Division of Figures

In this type of questions, the figures are divided into equal or dissimilar parts in a certain ratio.

#### Direction (Example 1 to 3)

In the following questions, a group of five figures are given. Out of these four figures are similar in a certain way and one is different from others. Find the odd figure out.



Sol.(A): All the other figures except (A), are divided into two equal parts, while figure (A) is not divided into two equal parts.

Ex. 2.

(B) (C) (D)

**Sol.**(A): All figures are divided into eight parts, while figure (A) is divided into six parts.

Ex. 3. (A) (B) (C) (D) (E)

**Sol.**(D): All the other figures the number of divided parts is equal to the number of sides, while figure (D) is divided into two equal parts.

#### 3. Based on Number of Lines or Elements or Sides

In this type of questions, the number of lines or sides or elements can be classified on the basis of even or odd.

#### **Direction (Example 1 to 4)**

In the following questions, a group of four/five figures are given. Out of these three/four figures are similar in a certain way and one is different from others. Find the odd figure out.

Ex. 1. (B) (C) (D)

**Sol.**(E): In all the other figures except (E), the number of line segments in both the figures is same.

Ex. 2. (A) (B) (C) (D)

**Sol.**(C): All the other figures contain even number of leaves except figure (C), While figure(C) contains odd number of leaves.

Ex. 3. (A) (B) (C)

**Sol.**(D): After counting the number of lines in all figures we found that all figures have three line segments, while in figure (D) has two line segments.

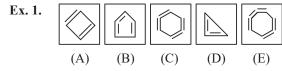
Ex. 4. (A) (C) (B) (D) (E) **Sol.**(B) : All the other figures except (B) are made up of three line segments, while figure (B) is made up of four line segments.

#### 4. Based on Inner and Outer Figure

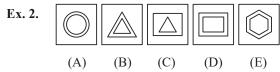
In this type of questions, figures may be lie in. Inner most of the other figures or figures may be lie in outermost of the other figures.

#### **Direction (Examples 1 to 3)**

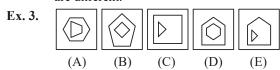
In each of the following questions, four/five figures are given. Three/four are similar in a certain way and so form a group. Find out which one of the figures does not belong to that group.



**Sol.**(D): In all the other figures except (D) the number of line segments along the sides of the figure is two less than the number of sides of the figure.



**Sol.**(C): All the other figures the inner and the outer figures are same. while in figure (C), the inner and the outer figures are different.



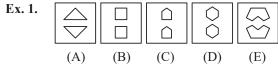
**Sol.**(D): In all the other figures except (D), the inner figure has less number of sides than that of the outer figure.

#### 5. Based on Image of Figure

In this type of questions, the mirror or water. Image of an object is formed.

#### **Direction (Example 1 and 2)**

In the following questions, a group of four/five figures are given. Out of these three or four figures are similar in a certain way and one is different from others. Find the odd figure out.



**Sol.**(C) : All the other figures except (C) are water image of each other, while in figure (C) both figures are identical.

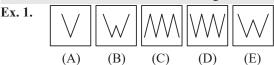
**Sol.**(A): All the other figures are image of each other and one of the figures is shaded, while in figure (A), both figures are identical.

#### 6. Based on Similarity of the Figures

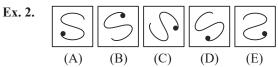
Similarity of the figures is done when shape, measurement of angle, method of presentation of a group and orientation are same.

#### **Direction (Example 1 and 2)**

In the following questions, a group of five figures are given. Out of these four figures are similar in a certain way and one is different from others. Find the odd figure out.



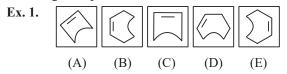
**Sol.**(B): All the other figures except (B), have sides in equal size.



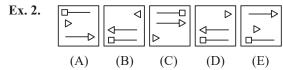
**Sol.**(E): All the other figures can be by rotating in clockwise direction, while figure (E) gets inverted.

#### 7. Selection of Odd Figures

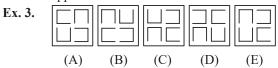
In this type of questions, we are given a group of four/five figures (A), (B), (C), (D) and (E). Three/four figures are similar in a particular manner and one figure is odd. The figure which is different from the others and does not belong to the group is our answer. We can understand these types of questions from the following examples:



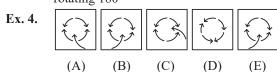
**Sol.**(D) : All the other figures except (D) have a segment inside the figure but opposite to arc.



**Sol.**(D): In all the other figures, two triangles are in same direction, while in figure (D) both triangles are in opposite direction.

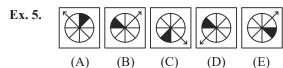


**Sol.**(A): Only in figure (A), diagonally figures are obtained by rotating 180°



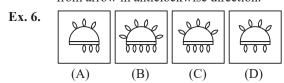
**Sol.**(A): In all the other figures, the three arrows rotate in anti-clockwise direction and the two arrows rotate in clockwise direction.

In figure (A), the three arrows rotate in clockwise direction and the two arrows rotate in anticlock-wise direction.



**Sol.**(B): The shaded portion of the circle is one step ahead arrow in clockwise direction.

> While in figure (B), shaded portion is one step away from arrow in anticlockwise direction.



Sol.(A): In all the other figures, the difference between the number of leaves in upper and lower part is one.

> While in figure (A), the number of leaves in upper and lower part is same.

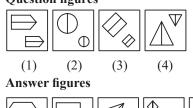
#### 8. Choosing a Similar Figure

In this type of questions, we are given a group of four unnumbered figures followed by five other figures labelled (A), (B), (C), (D) and (E). Four un-numbered figures are similar in a certain way. A figure from amongst the other five figures is to be chosen. Such that it is similar to the group of four un-numbered figure.

#### **Direction (Example 1 to 3)**

In following questions, a group a four figures forming the question figure and five other answer figures marked (A), (B), (C), (D) and (E) are given. The four question figures have certain common characteristic, select a answer figure which posses the same characteristic.

#### Ex. 1. **Question figures**



(B)

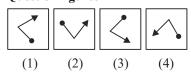
Sol.(C): Central lines in both bigger and smaller figures are parallel to each other. Only figure (C) has common characteristic.

(D)

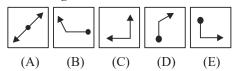
#### **Question figures** Ex. 2.

 $\bigcirc$ 

(A)

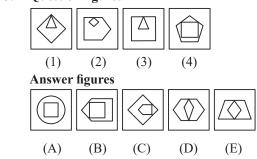


#### Answer figures



Sol.(E): Both arrow and dot make a right angle triangle. So, option (E) is the correct answer.

#### **Question figures** Ex. 3.



Sol.(B): Inner figure has one less number of sides than outer figure.

Only figure (B) has same characteristic.

#### 9. Finding the Same Characteristics of Figures

In this type of questions, a set of question figures followed by five other figures labelled (A), (B), (C), (D) and (E) forming the answer set. The question figures are related to each other on the basis of some common characteristics. Candidate will be asked to select the figure from the answer set which also belongs to the group of question figures on the basis of these common characteristics.

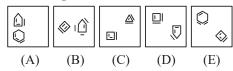
#### **Direction (Examples 1 to 3)**

In each of the following questions, there are two question figures followed by answer figure marked (A), (B), (C), (D) and (E). The two question figures have some common characteristics. Select the answer figures which has the same characteristics as that of the question figure.

#### Ex. 1. **Question figures**



#### Answer figures



Sol.(A): Two lines inside and one outside or two lines outside and one inside in two different geometrical figures. This arrangement is same in both question figures. Only answer figure (A) has same characteristic.

#### Ex. 2. **Ouestion figures**



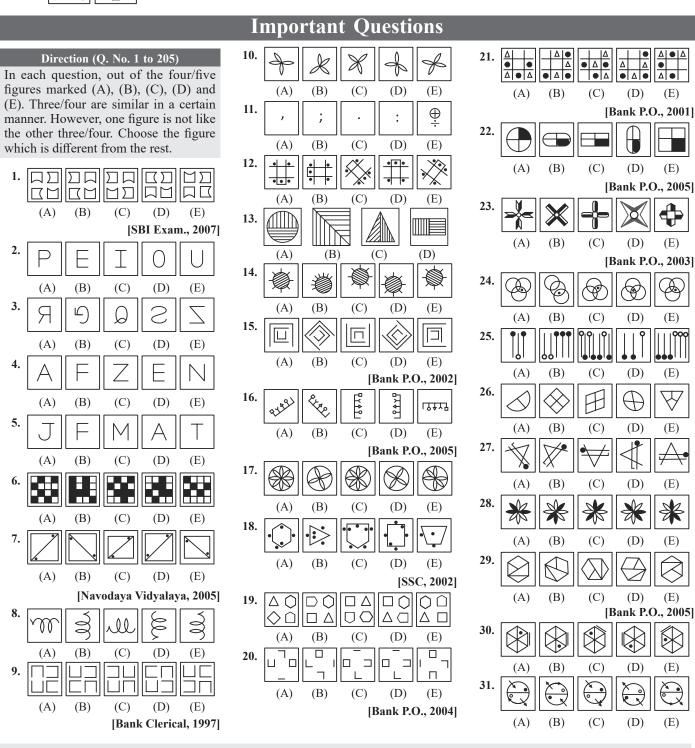
# Answer figures (A) (B) (C) (D) (E) Sol. (C): Both question figures contain two straight lines and one curved line. Also in figure (C) has same characteristic. Ex. 3. Question figures

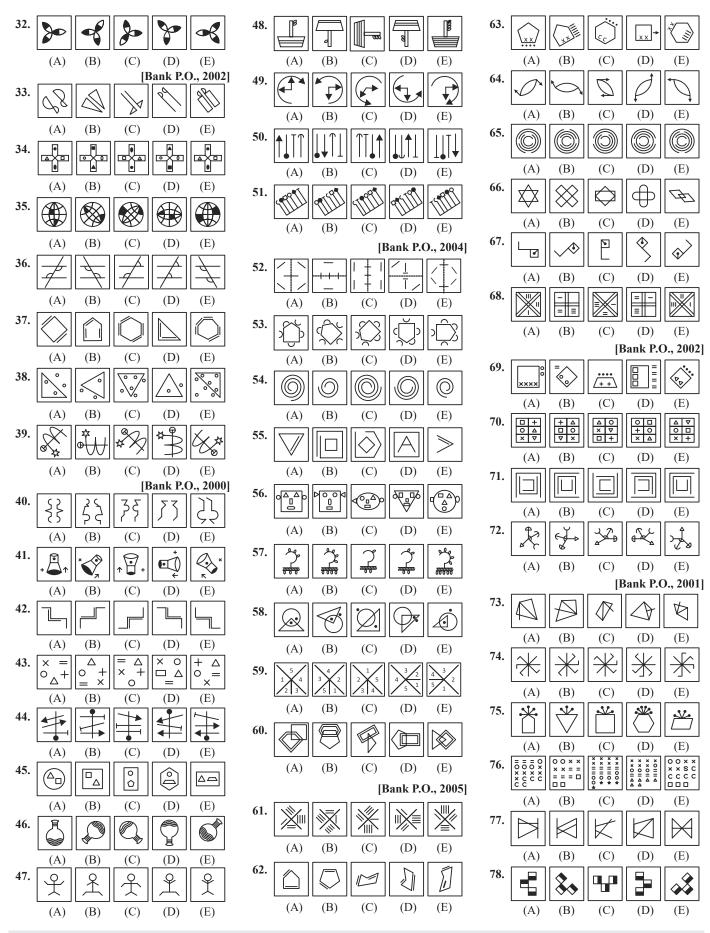
Also in figure (C) has same characteristic **Ex. 3.** Question figures

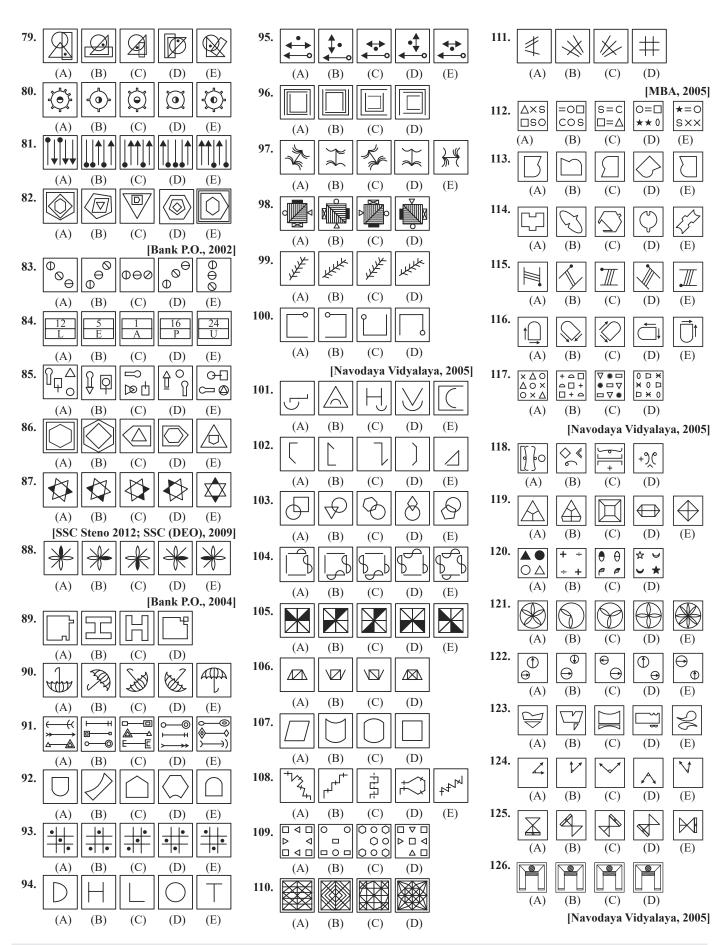
#### 

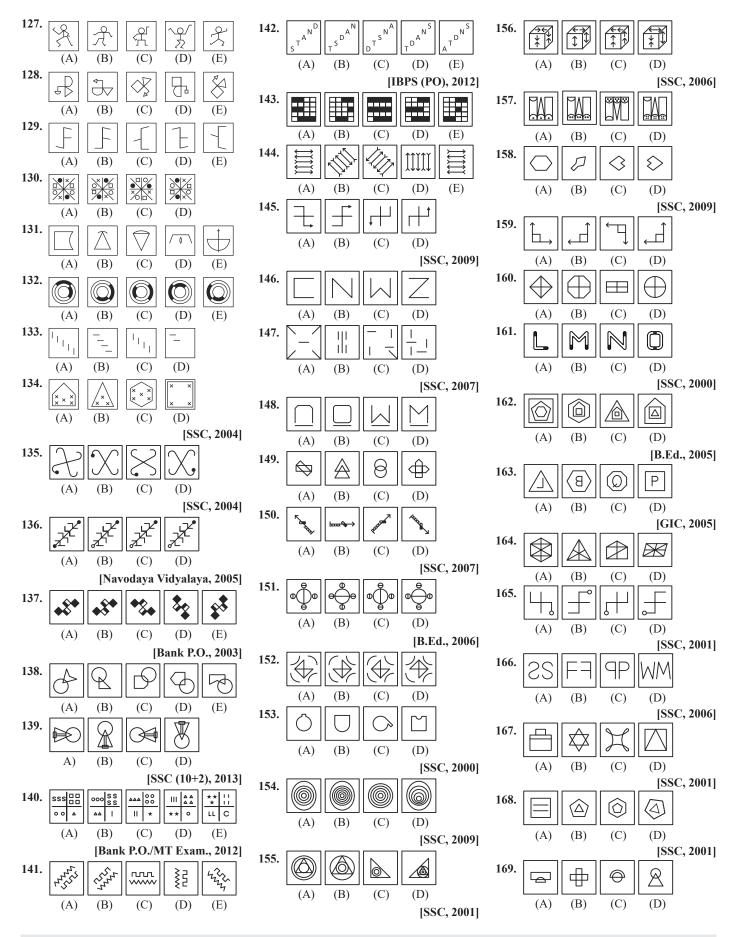
**Sol.**(C): Four different symbols are arranged in such a way that two are placed left and right corner one and other two are placed in the middle of the different sides.

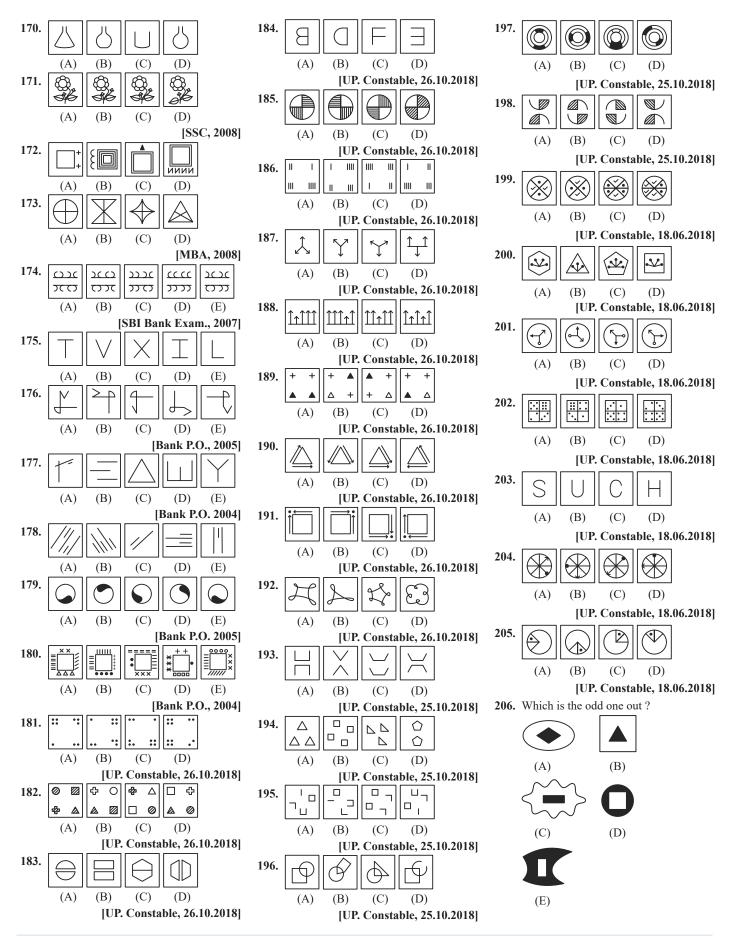
Only in figure (C) has same characteristic.

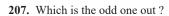




















(D)



(E)

**208.** Which is the odd one out?











**209.** Which is the odd one out?











**210.** Which is the odd one out?



(B)







**211.** Which is the odd one out?





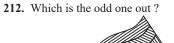




(D)



(E)







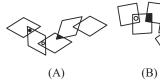






(E)

**213.** Which is the odd one out?









(E) **214.** Which is the odd one out?

$$^{(B)}$$
  $^{\sqcup}$   $^{\sqcup}$   $^{\sqcup}$   $^{\sqcup}$   $^{\sqcup}$   $^{\sqcup}$   $^{\sqcup}$   $^{\sqcup}$ 









(D)



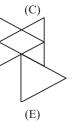
**216.** Which is the odd one out?





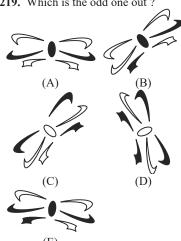




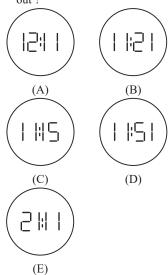


- **217.** Which is the odd one out?
  - (A) ∏ e £ ℓ ▲→◎←◎ &
  - (B) ▲ ℓ←©→e Ж £ ¢ ¤ &
  - (C) £ ¢ ₭ ℓ ® &→ⓒ←▲
  - (D) e ¢  $\odot \Pi £ \S \rightarrow \odot \leftarrow \ell$
  - (E)  $\otimes \pounds \& \rightarrow \odot \leftarrow e \sqcap \bowtie \odot$
- **218.** Which is the odd one out?
  - (A) # \$ % & ?
  - (B) @ \$ # % &
  - (C) ▼ 4 **▲** —

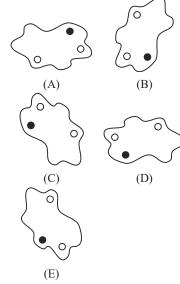
  - (E) #%?\$&
- **219.** Which is the odd one out?



- **220.** Which is the odd one out?
  - (A) ¶® § ¥ £ ◀ ■
  - (Β) Σ↑♯♬♣☺⊫
  - (C) ◀Ω ♯ ☺↔Ψ♬
  - (D) £ Ω Σ ♠ Ψ ⊕ #
  - (E)  $\P \Omega \Psi \leftrightarrow \Pi \Omega \blacksquare$
- **221.** Which is the odd one out?
  - (A) ❖❖♀ ↑ ▲ =
  - (B) ▲ ↑ • =
  - (C) **-**♣☆∥♀▲=
  - (D) = ↑ **A** ♀ **♣ -** ❖
  - (E) ♣ ❖ ↑ = ▲ ♀ —
- 222. Which of these clock faces is the odd one

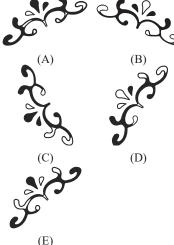


- **223.** Which is the odd one out?
  - (A) & # ▲ ¥ ¶ ¿ €
  - (B) \( \mathbb{H} \circ \mathbb{L} \circ \mathbb{R} \) \( \mathbb{R} \) \( \mathbb{R} \) \( \mathbb{R} \) \( \mathbb{R} \)
  - (C) € ¿¶¥ ▲ # &
  - (D) ▲&¢§聚◎¤
  - (E) ® § ¤ ¢ £ © Ж
- **224.** Which is the odd one out?

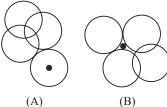


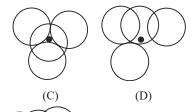
- **225.** Which is the odd one out?
  - (A) N ♣ ❖ ━ ◎ ━ ❖ ♣ N

  - (C) ## | = | ##
  - (D) ▲ = | N ☆ N = ▲
  - (E) ❖♣**-**♀**-♣**❖
- **226.** Which is the odd one out?

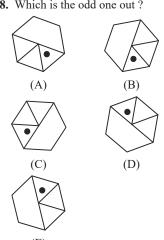


**227.** Which is the odd one out?

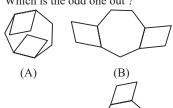


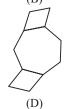


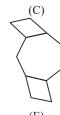
**228.** Which is the odd one out?



**229.** Which is the odd one out?







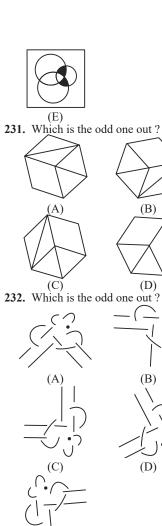
**230.** Which is the odd one out?



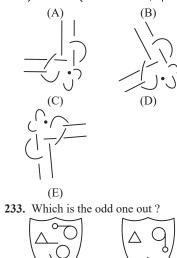


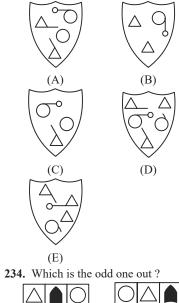






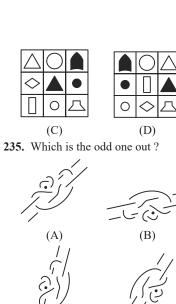
(B)

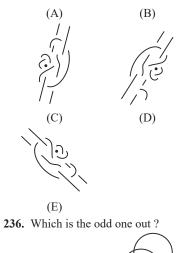


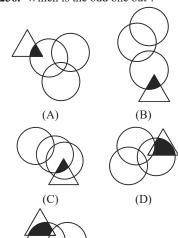


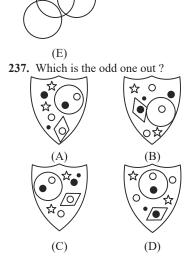
(A)

(B)



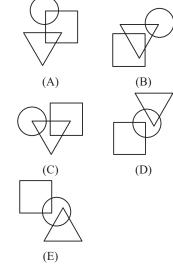




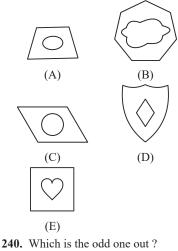


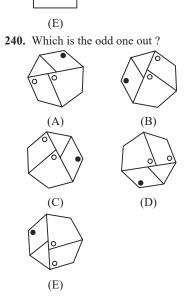


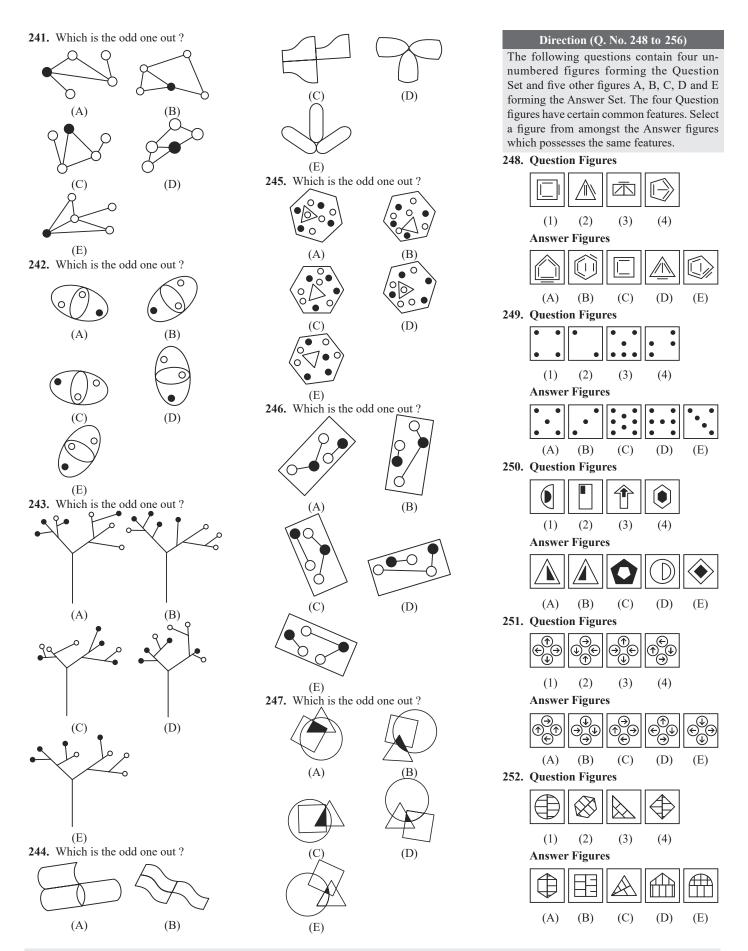
**238.** Which is the odd one out?

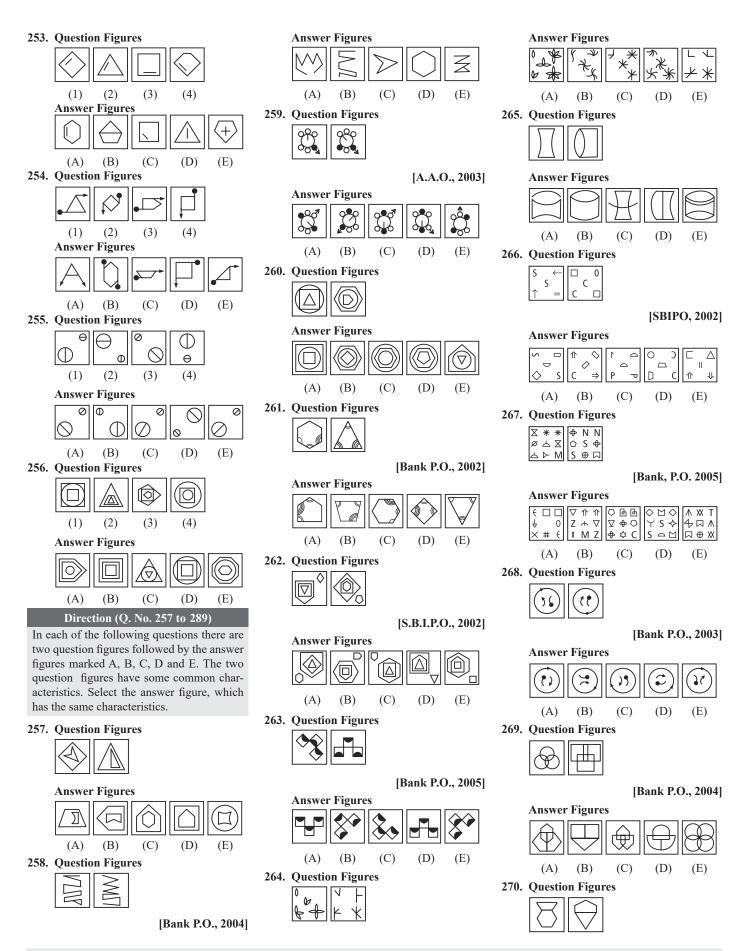


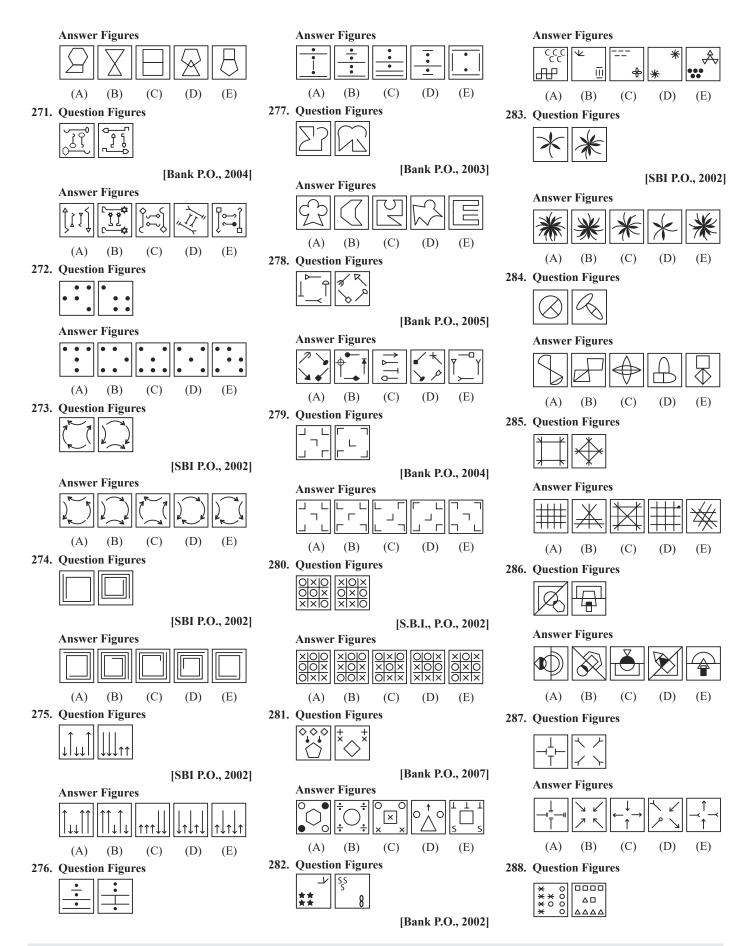
**239.** Which is the odd one out?

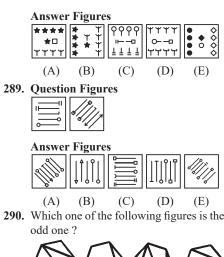


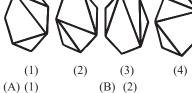










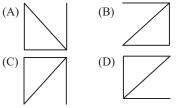


[MPPSC (C-SAT), 2017]

(D) (4)

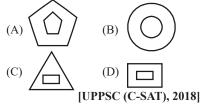
291. Find the odd one out among the following:

(C)(3)

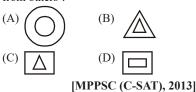


[MPPSC (C-SAT), 2015]

292. Which one of the following figures is different from the rest?

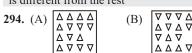


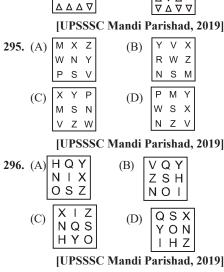
293. Which of the following figures is different from others?



#### Direction (Q. No. 294 to 297)

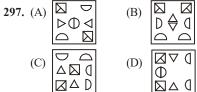
Out of the given option, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest





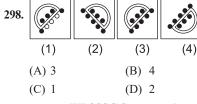
 $\nabla$   $\nabla$   $\Delta$   $\Delta$   $\Delta$   $\Delta$   $\Delta$   $\Delta$   $\Delta$   $\Delta$ 

(D)

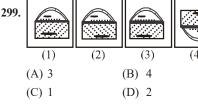


#### Direction (Q. No. 298 and 299)

In each question, out of four figures marked (1), (2), (3) and (4). Three are similar in a certain manner. However, one figure is not like the other four. Choose the figure which is different from the rest.

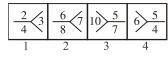


#### [UPSSSC Stenographer, 2019]



[UPSSSC Stenographer, 2019]

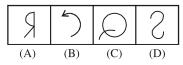
300. Among the given group of 4 images, which set of images can be classified as a group?



- (A) (1, 2, 3)
- (B) (1, 2, 4)
- (C)(1,3,4)
- (D) (2, 3, 4)

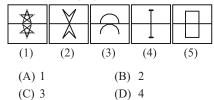
[UPSSSC tubewell operator, 2019]

**301.** In the followijng figures, three are similar in a certain manner. One figure is not like the other three. Find the odd one out.



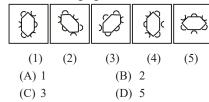
#### [UPSSSC Tubewell Operator, 2019]

302. Select the figure that is different among the following figures.



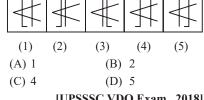
[UPSSSC VDO Exam., 2018]

303. Select the figure that is different among the following figures.



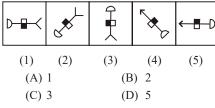
[UPSSSC VDO Exam., 2018]

304. Ashwini has five squares with different patterns. However one of the squares is not like the other four. Choose the odd



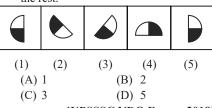
[UPSSSC VDO Exam., 2018]

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



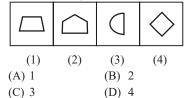
#### [UPSSSC VDO Exam., 2018]

**306.** Choose the figure which is different from



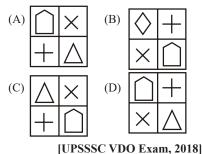
[UPSSSC VDO Exam., 2018]

**307.** Find the odd figure out.

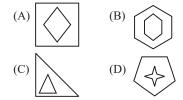


[UPSSSC VDO Exam, 2018]

308. Select the option that is different from the other three.

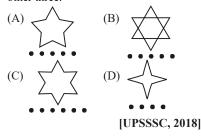


309. Select the option that is different from the other three.



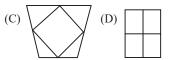
[UPSSSC VDO Exam., 2018]

310. Select the option that is different from the other three.



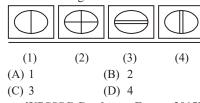
311. Which picture is different from other these?





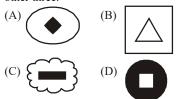
[UPSSSC VDO Exam., 2018]

312. Find the odd figure out.



[UPSSSC Conductor Exam., 2015]

313. Select the option that is different from the other three.



[BSSC First Inter (10+2), 2017]

#### Solution with Explanation

- 1. (C) In figure (C), two figures on upper left position and lower right position are oriented in the same direction. Hence, the correct answer is option (C)
- 2. (A) I, O, E and U are vowels, while P is a consonant. Hence the correct answer is option (A)
- 3. (B) Except (B), all figures are mirror image of an English alphabet, while figure (B) is different from the others.
- 4. (D) Except (D), all figures are formed by three lines, while figure (D) is formed by four lines.
- 5. (E) Except (E), the first letter of all letters are the months of a year.

 $J \rightarrow \boxed{J}$  anuary,  $F \rightarrow \boxed{F}$  ebruary,  $M \to \overline{M}$  arch,  $A \to \overline{A}$  pril. T is not the first letter of the month of any year.

- **6.** (C) Except (C). In each of the figures, an odd number of squares are shaded. while in figure (C), an even number of squares are shaded.
- 7. (D) Except (D), two dots lie on the opposite sides of the line in all figures, while in figure (D) two dots lie on the same side of the line.
- **8.** (C) Except (C), all other figures can be rotated into each other.
- 9. (C) In figure (C), two figures on upper right and lower left are opening in the same direction.

- 10. (A) Except (A), all other figures can be rotated into each other.
- 11. (E) Except (E), all others are punctuation marks, while figure (E) is a mathematical sign.
- 12. (C) Except (C), all other figures can be rotated into each other
- 13. (C) In all others except (C) lines in one half are perpendicular on lines in other half.
- **14.** (B) In all others except (B), lines outside the shaded circle are equally distributed along the circumference of the circle, while in fig. (B), lines outside the shaded circle are not equally distributed.
- 15. (A) Except (A), all other figures can be rotated into each other.
- 16. (D) Except (D), all other figures can be rotated into each other.
- 17. (C) In all others except (C), the number of leaves in a circle is an even number, while figure (C) contains odd number of leaves in a circle.
- **18.** (D) In all others except (D), the number of dots outside the figure is one more than the number of dots inside the figure, while in figure (D) the number of dots outside the figure is two more than the number of dots inside the figure.
- 19. (D) Except (D), all the figures are arranged in increasing order either cw or Acw. Sequentially according

to the number of sides.

- 20. (B) In each of the figures except (B) there are four different types of figure. One complete square having 4 straight lines, one figure having three straight lines one figure having two straight lines, one figure having one straight line.
  - In figure (B), there are two same figures having two straight lines.
- **21.** (C) In all other figures except (C), there are two types of figure arranged in outerside of the figure. None of the figures is placed the central, position.
- 22. (A) In all other figures except (A), lower right portion is shaded, while in figure (A), upper right portion is shaded.
- 23. (C) Only in figure (C), the shaded portions are same sides.
- 24. (D) In all other figures, a dot lies in the two common region of the circle in figure (D), a dot lies in the three common region of the circle.
- 25. (E) In figure (E), the number of black and white pins are equal
- 26. (D) Except (D), all the figures are divided into equal parts.
- 27. (A) In all others except (A), line is bent towards the pin, while in figure (A) line is bent towards the opposite direction of pin.
- 28. (A) Except (A), all the figures can be rotated into each other.

- 29. (D) Except (D), all other figures can be rotated into each other.
- 30. (B) In all other figures, inner dot and outer line segment rotate in clockwise direction. The line segment is one place a head of the
- 31. (E) In all other figures, the arrow head rotates in CW direction along the circumference of the circle, while in figure (E), the arrow head rotates in ACW direction.
- 32. (D) In all other figures, two leaves are outerside half-shaded and one leaf is innerside half-shaded, while in figure (D), all three leaves are outerside half-shaded.
- 33. (C) In all other figures, both figures are the mirror image of each other, while in figure (C), the mirror image of the figure is not correct.
- 34. (D) In all other figure, four figures are in sequence: Circle, square, hexagon and triangle and all figures rotate in CW direction.
- **35.** (E) In figure (E), two halves portion of the circle are shaded in the similar positions.
- 36. (C) In all other figures the marked angles are equal, while in figure (C) the marked angles are not equal.
- 37. (D) In all other figures, the different between number of sides of main figure and the line segments is 2.
- 38. (B) Except (B), the number of white dots inside and outside of the figure
- **39.** (B) Except (B), all figures can be rotated into each other.
- **40.** (A) In figure (A), two figures are mirror image of each other.
- 41. (D) In all other figures both signs '+' and '\' lie towards the black side of the main figure.
- 42. (A) Except (A), all figures can be rotated into each other.
- **43.** (D) In all other figures, 5 signs are same, while in figure (D), '+' sign is replaced by rectangle.
- 44. (D) In all other figures, two of three horizontal lines with small figures are parallel, While in figure (D), no two horizontal lines with small figures are parallel.
- 45. (B) In all other figures, the outer figure enclosing the other different figures, while in figure (B) the outer figure enclosing two figures one of which similar to the outer figure.
- 46. (C) In all other figures, the number of wary lines at bottom and straight lines on the neck of the pot is equal.

- **47.** (E) In figure (E), the number of hands and legs are same.
- 48. (D) In all the figures, the number of lines, inside the trapezium and the number of leaves outer the trapezium are same, but in figure (D) leaves are inclined towards the trapezium.
- **49.** (C) In all the other figures, two arrows make right angle triangle, While in figure (C), two arrows make obtuse angle.
- **50.** (E) In all the other figures, there are four figures different, while in figure (E), two out of the four figures are same.
- 51. (A) Except (A), in all other figures white and black pins are adjacent to each other. Black, diamond shape and white square are adjacent to each other, 'T' shape and 'G' shape are adjacent to each other.
- **52.** (D) In all the other figures except figure (D), the dotted line is intersecting the small line segments.
- 53. (B) In all the other figures except (B), three arcs open towards the pentagon and two arcs open towards the outward direction.
- **54.** (D) In all the other figures, a point rotates two or three complete rounds, while in figure (D) a point rotates two complete and one half round.
- 55. (A) In all the other figures except (A), the number of lines of the inner figure is one less than the number of lines of the outer figure.
- **56.** (D) In all the other figures contain only one square, while in figure (D), figure contains two squares.
- 57. (C) In all the other figures except (C), the number of leaves at the top of the figure is equal to the number of leaves at the bottom of the figure.
- **58.** (A) In all the other figures, one dot lies inside the triangle and the other dot lies outside the circle, while in figure (A), one dot lies inside the triangle and the other dot lies also inside the circle.
- 59. (B) In all the other figures except (B), all the numbers 1 to 5 rotate ACW direction sequentially.
- 60. (D) All the other figures contain two similar polygons and these two polygons are intersected by a new polygon having one les number of sides.
- **61.** (B) Only in figure (B), one, two, three and four line segments are in ACW direction sequentially.

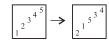
- **62.** (D) In all the other figures except (D), one line segment is placed inside the main figure and other line segment is placed outside the main figure.
- 63. (A) In all the figures, inner and outer figures lie the different sides of the main figure, while in fig. (A), both inner and outer figures lie the same side of the main figure.
- **64.** (E) In fig. (E), two arrows at the ends of the leaf are in same directions.
- 65. (C) Only in figure (C), there is a complete circle.
- **66.** (C) In all the other figures except (C), two similar figures are overlapping.
- 67. (D) In figure (D), pin inside the corner of the square is diagonally opposite to the outer line segment.
- 68. (C) In all the other figures except (C), one, two and three parallel lines sequentially in ACW direction.
- 69. (D) Except figure (D), the number of figures inside is twice the number of figures outside.
- 70. (D) All the other figures contain only one circle, while in figure (D) contains two circles.
- 71. (D) Only in figure (D), two sides out of the three sides of the figure are opening in the same direction.
- 72. (C) Except (C) all the figures can be rotated into each other.
- 73. (D) In all the other figures except (D), a line segment intersects one of the side of quadrilateral.
- 74. (B) Figure (A) and figure (C) can be rotated into each other. Figure (D) and figure (E) can be rotated into each other.
- 75. (A) The number of sides is equal to the number of pins. In all the other figures, pins are attached to the mid point of the side of the figure, while in figure (A) pins are attached at the vertex of the figure.
- **76.** (C) Only in figure (C), different types of figures are arranged in descending order from top to bottom.
- 77. (C) In all the other figures, the number of line segments is five, while in figure (C), contains four line segments.
- 78. (A) In all the other figures, three halfshaded figures are in the same direction.
- 79. (A) In all the other figures, a dot lies in the common region to the circle and the triangle, while in figure (A) a dot lies in the common region to the triangle and the rectangle.

- **80.** (A) In all the other figures except (A), the number of projections of the wheel has an even number.
- 81. (D) Only in figure (D), three similar figures are together.
- 82. (A) All the other figures except figure (A), we move from inner figure to outer figure, the number of sides, increases or decreases in a sequence.
- 83. (C) In all the other figures except (C), figure are obtained by rotating 45° CW and 90° CW. All three figures are in a sequence in option (C).
- 84. (E) In all the figures, the upper figure consists a number and the lower figure consists an alphabet. Except (E), the upper number indicates the position of the lower alphabets.
- 85. (E) In all the other figures, having same elements, while in figure (E) there are two circles.
- **86.** (D) In all the other figures except (D), the difference between the sides of inner and outer figures is two.
- 87. (B) Figures (A) and (E) can be rotated into each other. Figures (C) and (D) can be rotated into each other.
- 88. (B) In all the other figures, a black and a white leaf are in between the two line segments.
- 89. (A) In all the other figures, the cuts are made on two sides of a square sheet.
- 90. (D) In all the other figures, the handle of umbrella is turned towards the longer number of lines in umbrella.
- 91. (D) In all the other figures, two similar figure, on the left side and one same figure on right side of the middle figure, while in figure (D), one same figure on the left side and two similar figure on the right side of the middle figure.
- 92. (C) In all the other figures have one side curved, while in figure (C) all sides are made up of straight lines.
- 93. (B) In all the other figures except (B), in each row and each column has one dot.
- 94. (D) Except figure (D), starting from letters each letter is the fourth letter. In each of O, P should have come.
- **95.** (E) The upper two figures rotate at  $90^{\circ}$ CW in each step then figure (A) and figure (E) should repeat.
- 96. (D) Except figure (D), all the figures can be rotated into each other.
- 97. (E) In all the other figures, except figure (E), an odd number of arcs on both sides of the line.

- 98. (C) Except (C), all the figures can be rotated into each other.
- 99. (B) All the figures except (B), the number of line segments is equal on both sides of the line.
- 100. (B) Except (B), all the figures can be rotated into each other.
- **101.** (D) In all the other figures, consist three line segments and a semi circle. Figure (D), consists two line segments and a semicircle.
- 102. (D) Except (D), all the figures having one horizontal line.
- In all the figures except (E), the **103.** (E) circle is intersecting the vertex of the other figure.
- **104.** (D) Figure rotates 90° CW and a new arc is added in each step. So, in figure (D), the number of arcs should be six.
- **105.** (C) In figure (C), the number of triangles on both sides triangles is equal.
- 106. (D) In all other figures except (D), having seven straight lines.
- 107. (C) In all the other figures except (C), opposite sides are equal.
- 108. (E) In all the figures except (E), the alternate positions of the zig-zag are intersecting by the small line segments.
- 109. (C) In all the other figures, the number of two types of figures are equal. In figure (C) two types of figures in ratio 5:3.
- 110. (C) Only in figure (C) that consists of curved lines.
- 111. (D) Only in figure (D) consists of two pairs of horizontal lines and two pairs of vertical lines.
- 112. (A) In all the other figures except (A), two figures are same either row or column
- 113. (E) Except (E), all other figures can be rotated into each other.
- 114. (C) All the figures except (C), have same dispersion on one side as the protrusion on the other side.
- 115. (C) All the figures except (C), parallel lines start from the pin and slop down towards the line segment.
- 116. (D) If all the figures are rotated so that curved part of the figure lies on the top then in all the other figures except (D) one arrow lies on the left side and other lies at the bottom of the main figure.
- 117. (D) Only in figure (D), three same figures are in diagonal position from upper left corner to lower right corner.

- 118. (B) In all the other figures except (B), two similar figures are the image of each other.
- **119.** (C) In all the other figures except (C), figures are divided into as so many parts as the number of sides.
- **120.** (C) In all the other figures, two figures out of four are shaded completely, while in figure (C) two figures out of four are half shaded.
- 121. (B) In all the other figures except (B) leaves inside the circle are equally distributed.
- 122. (C) In all the other figures except (C), two arrows inside the circle are perpendicular to each other.
- 123. (C) In all the other figures, except (C), the upper and the lower figures are joined to make a complete figure.
- 124. (C) All other figures, the two arrows make an acute angle, while in figure (C) the two arrows make an obtuse angle.
- 125. (B) All the figures except (B) can be obtained by rotating.
- 126. (B) Shaded lines in the circle and the rectangle are in opposite direction. while in figure (B), shaded lines in same direction.
- 127. (D) In all the other figures except (D), right arm and left leg have the same arrangement.
- 128. (E) In all the other figures except (E), two similar shapes are in opposite
- 129. (B) Only in figure (B), two parallel lines lie on the same side.
- 130. (B) In all the figures except (B), two similar figures are in opposite direction.
- 131. (D) All the other figures consist of three straight lines and one curved line, while in figure (D), consists of three straight lines and two curved lines.
- 132. (C) In all other figures except (C), the inner and the outer shaded portion touch to each other.
- 133. (A) All the figures consist of an even lines, while in figure (A) consist of an odd lines.
- **134.** (C) All the other figures except (C), the number of crosses inside the figure is equal to the number of sides of the figure.
- 135. (A) Except (A), all the other figures can be obtained by rotating.
- **136.** (D) Only figure (D) is different from the others.
- 137. (A) Only in figure (A), half shaded portion of the two squares are, the same positions.

- 138. (C) In all the other figures except (C), the circle is intersecting the vertex of other figure.
- 139. (B) Only in figure (B), two lines are present inside the square.
- 140. (D) In all the other figures except (D), each figure moves one step in CW and increases by one but a new figure comes in place of first.
- 141. (E) In all the other figures except (E), the number of line segments in both upper and lower figures are same.
- 142. (D) The sequence of the figures is as follows:



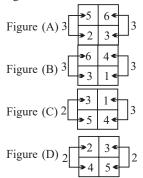
The sequence in figure (A) to (B), figure (B) to (C), and figure (C) to (D) are same.

- 143. (D) All othe other figures except (D), an odd number shaded blocks, while figure (D), consists of an even number shaded blocks.
- 144. (B) In all the other figures except (B), figure  $(\leftarrow \rightarrow)$  is present.
- **145.** (B) Except (B), all the other figures can be obtained by rotating.
- 146. (C) All other figures consist of three straight lines, while figure (C) consists of four straight lines.
- 147. (B) All the other figures except (B), the length of all five line segments is equal.
- 148. (B) All the other figures except (B) has one side opened.
- 149. (D) All the other figures except (D), two similar figures are intersecting to each other.
- 150. (B) Except (B), all the other figures can be rotated into each other.
- **151.** (D) All the other figures except (D), the left, the right and the middle figures are same.
- **152.** (D) All the other figures except (D), two arcs are opened inward and two arcs are opened outward.
- **153.** (D) In all the other figures, the dispersion is towards the outside, while in figure (D), the dispersion is towards the inside.
- **154.** (C) All the other figures except (C), the outside shape of the figure is oval, while in figure (C) the outside shape of the figure is circle.
- 155. (D) All the other figures consists of only one triangle, while in figure (D), consist of two triangles.

- **156.** (C) In all the other figures, the arrows on the faces are in opposite direction, while in figure (C), the arrows on the faces are in same direction.
- **157.** (C) All the other figures except (C), the bottom figures are same in each figures, while the figure in option (C) is inverted.
- 158. (B) All the other figures except (B), the number of sides is six.
- 159. (C) In all the other figures, one arrow is in upward direction and other arrow is in left or right side, while in figure (C) one arrow is in downward direction.
- 160. (C) All the other figures are formed a new figure after dividing, while in figure (C) the separated figures and the complete figure are same.
- **161.** (D) All the other figures except (D), both the ends of the figures are opened and both opened ends are blackend.
- 162. (C) All the other figures except (C), when we move inner figure to outer figure, the number of sides increases or decreases in a sequence.
- 163. (D) All the other figures except (D), the innermost figures are the mirror image of the capital letters.
- **164.** (C) All the other figures except (C), all lines inside the figure make triangles.
- 165. (C) Except (C), all the figures can be rotated into each other.
- 166. (D) Except (D), all the other figures are mirror image of each other.
- **167.** (C) Except (C), all the other figures are made up of only straight lines.
- **168.** (C) Except (C), the difference between the inner and the outer figures is two.
- **169.** (B) Only in figure (B), both similar figures are intersecting to each other.
- 170. (C) All the other figures except (C), the upper part of the figures is narrow.
- **171.** (D) Except (D), all the figures are same.
- 172. (D) The number of outer figures increases or decreases to the number of squares.
- 173. (D) All the other figures except (D), figures are divided into equal parts.
- 174. (C) In figure (C), the arcs are facing in opposite directions.
- 175. (D) All the other figures are made up of two straight lines, while in figure (D) is made up of three straight
- 176. (A) In all the other figure, the straight line is bent towards the one-fourth part of the circle.

- 177. (D) Except (D), each one of the figures is formed by three line segments.
- 178. (A) In all the other figures except (A), all bigger and smaller line segments are in sequence.
- 179. (E) Except (E), all the other figures can be rotated into each other.
- **180.** (A) In all the other figures, the number of figures is moving in ACW direction along the square and increases by one sequentially.
- 181. (D) In all the other figures except (D), the number of dots is increasing by one sequentially in an ACW direction.
- 182. (A) All the other figures except (A), two figure are shaded and other two figures are unshaded.
- **183.** (C) In all the other figures, two halves of the figure are separated to each other.
- **184.** (C) All the other figures except (C), figures are the mirror image of each other.
- 185. (D) All the other figures consist of horizontal and vertical lines.
- **186.** (D) All the other figures except (D), the number of line segments is increasing by one sequentially in an ACW direction.
- 187. (D) In all other figures except (D), three arrows meet at one point.
- 188. (D) All the other figures except (D), consist of three bigger arrows and one smaller arrow.
- 189. (A) Only figure (A), consists of two black triangles.
- **190.** (C) In all other figures, the head of two arrows is in opposite direction, while in figure (C), the head of two arrows meets at one point.
- 191. (D) All the other figures except (D), the head of two arrows meets at one point.
- **192.** (D) All the other figures except (D), the smaller figures face outside, while in figure (D), the smaller figures face inside.
- **193.** (C) In figure (C), two similar figures are in same direction. In all the other figures, two similar figures are in opposite directions.
- 194. (D) In all the other figure, the number of figures is equal to the number of sides of the figures.
- 195. (C) Only in figure (C), consists of two complete squares.
- In all the other figures, the circle **196.** (D) is intersecting the vertex of the

- other figures and both figures are complete figures, while figure (D) consists of the incomplete circle.
- 197. (C) Two shaded portions of a circle are opposite to each other, while in figure (C) the two shaded portions of a circle are same side.
- 198. (D) In all other figures, the shaded portion of two figures is diagonally opposite, while in figure (D) the shaded portion of two figures is in the same side.
- **199.** (D) In all other figures except (D),  $(\sqrt{})$ signs and (•) signs are opposite to each other.
- 200. (A) In all other figures except (A), the number of pins inside the figure is equal to the number of sides of the outer figures.
- 201. (D) Except (D), all the other figures can be rotated into each other.
- 202. (C) The number of dots inside the figures:



In figure (C)

the difference between 3 and 5 dots is not equal to the difference between 1 and 4 dots.

- 203. (D) Only in figure (D) consists of three straight lines, while in all the other figures consist of curved lines.
- 204. (C) Only in figure (C), the arrow and the pin are in opposite direction.
- **205.** (A) Except (A), all the other figures can be rotated into each other.
- 206. (B) All the other figures except (B), the figures are made up of straight lines are inside the curved figures, while in figure (B) both inside and outside figures are formed by straight lines.
- 207. (C) In all the other figures except (C), the circle, intersects both the triangle and the square.
- **208.** (C) In all the other figures, two common parts of the figures are shaded, while in figure (C), two or three common parts of the figures are shaded.

- 209. (E) All the other figures except (E), the position of black and white dots in figure (A) is same as in figure (D). Similarly, figure (B) is same as (C)
- **210.** (E) Only in figure (E), two black dots are directly connected.
- **211.** (E) Except (E), all other figures can be rotated into each other.
- 212. (B) In all the other figures except (B), the shaded portion second from the left and second from the right is
- **213.** (E)
- 214. (A) In all the other figures except (A), all symbols are arranged in same order and starting with a different symbols.
- 215. (B) Figure (A) and Figure (E) can be rotated into each other. Similarly, figure (C) and figure (D) can be rotated into each other.
- 216. (D) In all the other figures except (D), figures are made up of three similar figures.
- **217.** (B) In all the other figures, two arrows are pointing towards the face (9), while in figure (B), the arrows are pointing away from the face (9).
- **218.** (B) (C) and (D) have same figures. Similarly, (A) and (E) have same
- **219.** (B) Figure (A) is same as figure (D) with the black and the white parts interchange their regions. Similarly, figure (C) is same as figure (E) with the black and the white parts interchange their regions.
- **220.** (E) In all the other figures, all the symbols are different, while in figure (E), Symbol ( $\Omega$ ) is repeated two times.
- 221. (C) In all the other figures except (C) contain same seven symbols, while in figure (C), a symbol  $(\updownarrow)$  is replaced by a new symbol (||)
- **222.** (B) Figure (D) is the mirror image of figure (A), figure (E) is the mirror image of figure (C).
- 223. (D) Figure (E) is reverse order of figure (B). Figure (C) is reverse order of figure (A).
- 224. (E) Except (E), all the other figures can be rotated into each other.
- **225.** (D) Except (D), the rest are palindromic. i.e., backward and forward figures are same.
- 226. (A) Figure (C) is same as figure (D) with the black and the white

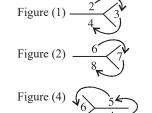
- parts interchange their positions. Similarly, figure (B) is same as figure (E).
- 227. (B) In all the other figures, dot is in just one circle, while in figure (B) dot is not in any of the circles.
- 228. (B) Except (B), all the other figures can be rotated in to each other.
- 229. (D) Except (D), figure (E) is same as figure (A), the upper and the lower figures left and the right figures turn figure (B) is same as figure (C) and the inward.
- **230.** (E) In all the other figures, the common portions of two circles is shaded, while in figure (E), one such portion is not shaded.
- **231.** (C) Except (C), all the other figures can be rotated into each other.
- 232. (C) All the other figures can be rotated into each other, while in figure (C), the dot is in the wrong place.
- 233. (E) In all the other figures, the small circle is attached to the circle, while in figure (E), the small circle is attached to the triangle.
- 234. (C) In all the other figures except (C), each row and column has three same figures.
- 235. (D) All the other figures can be rotated into each other, while figure (D) contains a line in the wrong position.
- **236.** (C) In all the other figures the common portion of the circle and the triangle is shaded, while in figure (C) the shaded portion of the circle and the triangle appears in the common portion of the two circles.
- **237.** (E) In all the other figures contain three white dots figure (E) contains four white dots.
- 238. (A) In all the other figures except (A) the triangle and the circle are intersecting to each other.
- 239. (D) In all the other figures the curved sided figures are inside the straight sided figures, while in figure (D), the straight sided figure is inside the curved sided figure.
- 240. (B) Except (B), all the other figures can be rotated into each other.
- 241. (C) In all the other figures, the black circle is connected to the three white circles, while in figure (C), the black circle is connected to the two, white circles.

- 242. (E) Except figure (E), all the other figures can be rotated into each other.
- **243.** (C) In all the other figures, three black and one white dots on the left side and three white and one black dots on the right side, while figure (C) is different from the others.
- 244. (C) In all the other figures except (C), two similar figures are connected and one similar figure which has been inverted and connected with two similar figures.
- 245. (E) All the other figures contain from black and five white dots, while figure (E) contains four black and four white dots.
- 246. (D) In all the other figures except (D), two white circles are connected with a black circle which is in the middle position.
- 247. (B) In all the other figures except (B), two common portions are shaded, while in figure (B), three common portions are shaded.
- 248. (B) The number of line segmens, in each figure is one less than the number of sides of the figures and one line segment is outside in each figure.
- 249. (C) All the figures except (C) contain an even number of dots.
- 250. (E) In all the figures, the inner blackened figure is similar to the outer figure.
- 251. (D) In all the figures, all arrows are in different directions.
- 252. (D) The number of line segments of the figure on one side is one less than the number of line segments on the other side.
- 253. (A) In all the figures, the line segment inside the figure lies along one of the sides of the figure.
- 254. (C) In all the figures, both the pin and the arrow are in different directions.
- 255. (A) In all the figures, the diameter of both the bigger and the smaller circles is perpendicular to each other.
- 256. (C) In all the figures the inner and the outer figures are similar, while the middle figure is different.
- 257. (B) The number of sides in the inner and the outer figures are same.
- 258. (A)
- **259.** (B) The line segment inside the circle is attached to the white circle and the arrow is attached to the black circle.
- 260. (D) Each figure has one circle and two different figures.

- The difference between the number of sides of two different figures is one.
- **261.** (E) The number of arcs inside the figure is multiple of the number of sides of the figures.
- **262.** (B) The number of sides of three figures is in the sequence. The middle figure reduces in size and moves at the corner.
- **263.** (B) The dark portions in the figure are same in two figures.
- **264.** (B) The numbers of figure is in a sequence i.e., one, two, three and four.
- **265.** (D) The figure consists of two arcs.
- 266. (B) Two similar figures are in a diagonally.
- **267.** (C) The upper left and the middle right figure are same. The central and the lower left figure are same. The upper middle and the upper right figure are same.
- 268. (D) The arrow head along the circumference of the circle and inside the circle are in the opposite directions.
- 269. (C) Similar figures are intersecting to each other.
- 270. (A) Two figures have a common side. The difference between the number of sides of the upper and the lower figures is 2.
- **271.** (C) The upper figure rotates at  $90^{\circ}$ CW and gets inverted. This figure reduces in size and moves at centre. Similarly, the lower figure rotates 90° CW and gets inverted this figure also reduces in size and moves at centre.
- 272. (B) Each figure contains two pairs of dots in different row or column and a single dot is placed in the third row
- **273.** (B) The upper and the lower arrows are same. The left and the right arrows are same.
- **274.** (E) Second figure is obtained by adding two line segments to the two ends of the first figure.
- 275. (D) Two arrows are in upward direction, while three arrows are in downward direction.
- **276.** (A) The number of dots is equal to the number of line segments. One of the line segments is smaller than the other two line segments.
- 277. (D) There are five line segments and two curved lines in a figure.
- All the figures are moving in anti-278. (D) clockwise direction.

- 279. (C) Both left side figures are same and the central figure is obtained by rotating the left side figure at 90° ACW. The upper right figure is opposite to the upper left figure and the lower right figure is opposite to the upper right figure.
- 280. (D)
- 281. (D) The number of small figures is equal to the number of sides of the figure.
- 282. (D) The number of upper corner figures is equal to the number of lower corner figures.
- **283.** (C) The number of dark leaves and arcs is equal one.
- 284. (E) The similar figures are attached to each other and the lower figure is divided into two equal parts.
- **285.** (D) Six line segments are intersecting one another.
- Three different figures are attached **286.** (B) to one another and the common part of the middle and the lower figure is shaded.
- 287. (C) Four similar figures are placed in different directions.
- 288. (B) The number of two different symbols is equal.
- **289.** (C) The first two and the last two figures are same, but in different direction. Remaining figures are not same.
- **290.** (A) Figures can be obtained by rotating clockwise or anitclockwise direction. So, figure (A) is different from the others.
- **291.** (C) Figures can be obtained by rotating. So, figure (C) is different from the others.
- 292. (C) In all the other figures except (C), the inner and the outer figures are
- 293. (C) In figure (C), the inner and the outer figures are different. The outer figure is rectangle and the inner figure is triangle.
- 294. (A) In figure (A), all triangles in first row and first column are in the same direction. So, option (A) is different from the others.
- 295. (B) In all the other figures, the letters are same, while in figure (B) letter 'R' is given in place of letter 'P'. Hence, option (B) is different.
- 296. (B) In all the other figures, the letters are same, while in figure (B), letter 'V' is given in place of 'X'. Hence, option (B) is different.
- 297. (C) In option (C), the direction of both the triangles is same and the square is placed at the central position.

- So, option (C) is different from the others.
- 298. (C) In all the other figures both the inner and the outer dots of main figure are blackened, while in figure (1), some dots are white and some are black.
- **299.** (A) All the other figures except (A) are similar. The black part in figure (3) is less than the others. Hence, option (A) is correct.
- 300. (B) The sequence of numbers in figure (1), (2) and (4) is as follows:



**301.** (B) Mirror

- Hence, option (B) is different from the others.
- **302.** (C) All the other figure except (C), figures are the mirror image of each other.
- 303. (C) In figure (C), four arcs are in the same direction (Inward) and two arcs are in the same direction (Outward).
- 304. (C) In all the other figures, two vertical figures are in different direction, while in figure (4), both vertical figures are in same direction.
- **305.** (B) All the other figures except (B) can be obtained by rotating. Hence, option (B) is different from the others.
- **306.** (A) All the other figures except (A) can be obtained by rotating. Hence, option (A) is different from the others.
- 307. (C) All the other figures are made up of straight lines, while figure (C) is made up of straight and curved lines.

- 308. (B) All the other figures except (B), consist of similar figures, while in option (B), figure (0) is given in place of figure ( $\Delta$ ).
- **309.** (D) All the other figures except (D) consist of simiar figures. While figure (D) consists of different figures. Hence, option (D) is different from the others.
- **310.** (B) All the other figures except (B), the number of corners in figures is equal to the number of dots.
- 311. (D) Only in figure (D), the outer figure and the separated four figures are
- **312.** (A) Figure (1) consists of only one line segment in the circle, while figures (2), (3) and (4) consist of two line segments in the circle. Hence, figure (A) is different from the others.
- 313. (B) All the other figures except (B), consist of shaded figure.