



# Classification

- Classification is an act of classifying a word, letter or number from a set of words, letters or numbers on the basis of their common properties.
- In this chapter, a group of certain items is given, in which all items except one are similar to one another in some manner. Candidates are required to find out the one which does not belong to the group.

Classification may be broadly divided into the following types.

## Word Classification

In such questions, four meaningful words are given. These words have similar features based on that you are supposed to find out the odd word.

The relationship among word classification is generally based on the following

- Synonyms and Antonyms of words.
- Area of usage related classification.
- Place, work, origin based classification.

**Example 1** Choose odd one out.

- (a) Paper (b) Pencil  
(c) Pen (d) Stationary

**Sol.** (d) Paper, Pencil and Pen all come in the class of stationary items.

**Example 2** Choose the odd one out.

- (a) Inch (b) Metre (c) Yard (d) Quart

**Sol.** (d) Inch, Metre and Yard are the units of distance while Quart is not a unit of distance.

## Letter Classification

In such questions, four alternatives containing a random group of letters having some common pattern are given.

- The candidate is required to find out the one which is not following the same pattern as others are following. The relationship among the letters can be based on the following points.
- Position of letters in English alphabets.
- Addition and Subtraction in position of letters.
- Reverse order or opposite pair of letters.
- Vowels and consonants.

**Example 3** Choose odd one out.

- (a) A (b) D (c) I (d) O

**Sol.** (b) Letters A, I and O are vowels while the letter 'D' is a consonant.

**Example 4** Choose the odd one out.

- (a) ACE (b) FHJ (c) KLM (d) SUW

**Sol.** (c) As,  $A \xrightarrow{+2} C \xrightarrow{+2} E$   
 $F \xrightarrow{+2} H \xrightarrow{+2} J$   
 $S \xrightarrow{+2} U \xrightarrow{+2} W$

But,

$$K \xrightarrow{+1} L \xrightarrow{+1} M$$

Clearly, letters group KLM follows different pattern from others.

## Number Classification

In such questions, numbers or a group of numbers having some common property is given. You are required to identify the number which is different from the rest. The relationship among the numbers may be based on the following points.

- Addition and Subtraction of numbers.
- Multiplication and Division of numbers.

- Square/square root and cube/cube roots of numbers.
- Even and odd numbers.
- Prime numbers.

**Example 5** Choose the odd one out.

- (a) 36      (b) 16      (c) 64      (d) 27

**Sol.** (d) Except 27, all others are square of natural numbers.

**Example 6** Choose the odd one out.

- (a) 57      (b) 19      (c) 131      (d) 61

**Sol.** (a) Except 57, all other numbers are prime numbers.

# Practice Exercise

**Directions** (Q. Nos. 1-20) *In each of the following question, three out of four alternatives are same in some way and so form a group. Find the odd one that does not belong to the group.*

- |                   |                 |               |           |
|-------------------|-----------------|---------------|-----------|
| 1. (a) Square     | (b) Circle      | 11. (a) BDFH  | (b) JLNP  |
| (c) Rectangle     | (d) Triangle    | (c) YOIC      | (d) RTVX  |
| 2. (a) Mother     | (b) Father      | 12. (a) KQNN  | (b) DWFU  |
| (c) Wife          | (d) Grandfather | (c) EVHS      | (d) HSKP  |
| 3. (a) Skin       | (b) Nose        | 13. (a) MONJK | (b) ACAZV |
| (c) Ear           | (d) Kidney      | (c) GMRGS     | (d) METEI |
| 4. (a) Wheat      | (b) Rice        | 14. (a) 11    | (b) 8     |
| (c) Jowar         | (d) Beans       | (c) 14        | (d) 66    |
| 5. (a) Talking    | (b) Walking     | 15. (a) 72    | (b) 45    |
| (c) Sleeping      | (d) Running     | (c) 81        | (d) 28    |
| 6. (a) Gallon     | (b) Pound       | 16. (a) 64    | (b) 900   |
| (c) Ton           | (d) Kilogram    | (c) 1000      | (d) 343   |
| 7. (a) Earthquake | (b) Storm       | 17. (a) 156   | (b) 201   |
| (c) Drought       | (d) Explosion   | (c) 273       | (d) 345   |
| 8. (a) KM         | (b) DF          | 18. (a) 132   | (b) 98    |
| (c) XZ            | (d) RU          | (c) 88        | (d) 121   |
| 9. (a) UQ         | (b) JG          | 19. (a) 4-16  | (b) 3-12  |
| (c) RN            | (d) NJ          | (c) 7-28      | (d) 5-15  |
| 10. (a) DHF       | (b) KOM         | 20. (a) 43-67 | (b) 32-45 |
| (c) RVT           | (d) WYX         | (c) 65-78     | (d) 76-89 |

## Answers

|    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| 1  | (b) | 2  | (c) | 3  | (d) | 4  | (d) | 5  | (c) | 6  | (a) | 7  | (d) | 8  | (d) | 9  | (b) | 10 | (d) |
| 11 | (c) | 12 | (b) | 13 | (a) | 14 | (a) | 15 | (c) | 16 | (b) | 17 | (a) | 18 | (b) | 19 | (d) | 20 | (a) |

## Hints & Solutions

- (b) Except Circle, all other geometrical figures made up of straight lines.
- (c) Except Wife, all others are blood related relationships.
- (d) Except Kidney, all others are external organs while kidney is an internal organ.
- (d) Except Beans, all others are grains.
- (c) Except Sleeping, all other activities involve some physical action.
- (a) Except Gallon, all others are units of mass while gallon is unit of volume.
- (d) Except Explosion, all other are natural phenomena. Explosion is carried out by Humans.
- (d) Except option (d), all other options follow the same pattern.

$$\begin{array}{l} K \xrightarrow{+2} M, \quad D \xrightarrow{+2} F, \\ X \xrightarrow{+2} Z, \quad \boxed{R \xrightarrow{+3} U} \end{array}$$

**Alternate method,** Except RU, all other groups contain only consonants, While in RU, U is a vowel.

- (b) All options except (b) follow the same pattern.

$$\begin{array}{l} U \xrightarrow{-4} Q \\ \boxed{J \xrightarrow{-3} G} \end{array}$$

$$R \xrightarrow{-4} N$$

$$N \xrightarrow{-4} J$$

- (d)

$$D \xrightarrow{+4} H \xrightarrow{-2} F$$

$$K \xrightarrow{+4} O \xrightarrow{-2} M$$

$$R \xrightarrow{+4} V \xrightarrow{-2} T$$

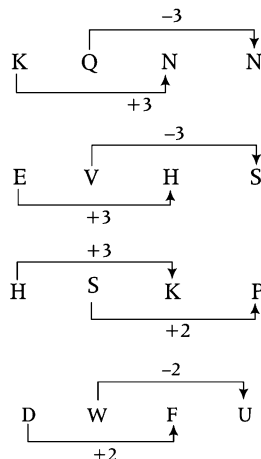
$$\boxed{W \xrightarrow{+2} Y \xrightarrow{-1} X}$$

Clearly, option (d) follows a different pattern from rest.

- (c) Except option (c), all other options are following the same pattern.

$$\begin{array}{l} B \xrightarrow{+2} D \xrightarrow{+2} F \xrightarrow{+2} H \\ J \xrightarrow{+2} L \xrightarrow{+2} N \xrightarrow{+2} P \\ \boxed{Y \xrightarrow{-10} O \xrightarrow{-6} I \xrightarrow{-6} C} \\ R \xrightarrow{+2} T \xrightarrow{+2} V \xrightarrow{+2} X \end{array}$$

- (b) Except (b) all others are following the same pattern.



- (a) Except MONJK is all others at least one letter is repeated.
- (a) All other numbers are even numbers while 11 is a prime number.
- (c) Only 81 is a perfect square.
- (b) Except 900, all others are perfect cube of natural numbers.
- (a) Except 156, all other numbers are odd numbers.
- (b) Except 98, all other numbers are multiple of 11.
- (d) Except 5-15, in all other pairs, the second number is four times that of the first number.
- (a) The difference between the first half and second half of numbers is 13. Except is case of number 43-67.