

## Coding & Decoding, Series, Analogy, Odd Man Out and Visual Reasoning

### Concepts to remember:

- While answering questions on coding and decoding, do not decide the pattern by just checking 2 or 3 terms. Check all the terms for the pattern.
- In visual reasoning, to find the pattern, follow the position and direction of one element at a time. Trying to follow all the elements at the same time could lead to confusion.
- Never assume a pattern to answer the questions.
- In questions on coding - decoding, check carefully if the final answer is for the coded or decoded work.
- In analogy, remember the relation between first two terms should be the same for the next two terms.

### Drill

- If in a certain code "RANGE" is coded as "12345" and "RANDOM" is coded as "123678", then what will "MANGO" be coded as?
- In a certain coding pattern, the word "ORANGE" is coded as "NQZMFD", then how will the word "VIOLET" be coded?
- If in a code "SHIFT" is coded as "RFFBO", then which word will be coded as "LKUMB"?
- If "Life is good" is coded as "KUI ENB KAJ" and "Live your life" is coded as "ENB KIR JAN", what is the code for the word "Life"?
- If the word "FRUIT" is coded as "GUZPC", what will "FLOWER" be coded as?
- If "football" is "cricket", "cricket" is "basketball", "basketball" is "volleyball", "volleyball" is "khokho" and "khokho" is "cricket", which is not a ball game?

### Complete the following series:

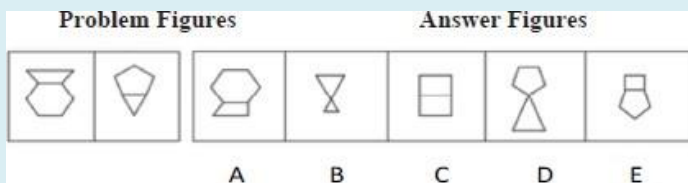
- 13, 32, 24, 43, 35, ?, 46, 65, 57, 76.
- R, U, X, A, D, ?
- H, I, K, N, ?
- 12, 14, 31, ?, 393

### Fill the missing terms

- 49 : 81 :: 100 : ?
- 5 : 124 :: 7 : ?
- Fill the series: C : F :: ? : R

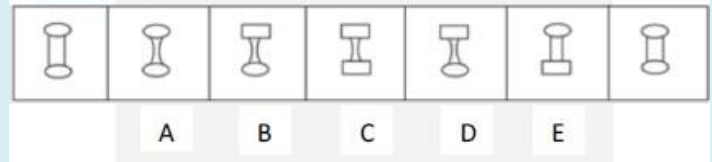
### Find the odd man out:

- 1, 9, 25, 32, 81, and 121.
- 2, 4, 8, 14, 22, 34, 44 and 58.
- 17, 12, 20, 24, 23, 34, 26 and 48.
- 6, 14, 28, 62, 126 and 254.
- In the following question, there are two problem figures followed by the answer figures marked as A, B, C, D & E. The two problem figures have some common characteristics. Select the answer figure which has the same characteristics.

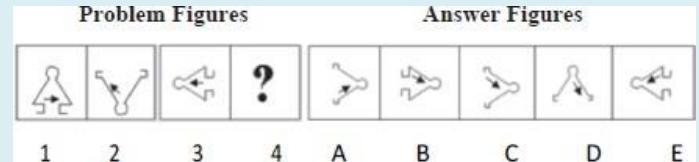


- In the following question the first and the last blocks mark the beginning and the end of a series respectively. The other

blocks are a part of the series. However, one of these blocks violates the pattern. Find the odd block.



- The second figure in the problem figures bears a certain relationship to the first figure. Similarly, one of the figures in answer figures bears the same relationship to the first 3 figure. You have to select the figure from the set of answer figures which would replace the sign of the question mark (?)



### Concept review questions:

- If the word "CODING" is represented as "DPEJOH", then the word "CURFEW" will be represented as:
  - DVSGFX
  - DVSHFX
  - DGSHFX
  - DTSGFY
- In a certain language, "ENTRY" is coded as "12345" and "STEADY" is coded as "931785", then find the code for the word "TENANT".
  - 956169
  - 196247
  - 352123
  - 312723
- If 'water' is called 'blue', 'blue' is called 'red', 'red' is called 'white', 'white' is called 'sky', 'sky' is called 'rain', 'rain' is called 'green' and 'green' is called 'air', then which of the following is the colour of milk?
  - air
  - green
  - white
  - sky
- If the word "TEST" is coded as "UHXA", then which word will be coded as "NDWR"?
  - MARD
  - MASK
  - MARK
  - MEKR
- In a certain code language, "LQN PMW QTV" means "Rose is beautiful" and "BJC QTV OSD" means "Rani likes Rose". Which word in that language means "Rose"?
  - LQN
  - BJC
  - QTV
  - PMW

**Direction for questions 6 to 10:** Choose the option that completes the given series.

- 95, 115.5, 138, ?, 189.
  - 154.5
  - 162.5
  - 164.5
  - 166.5
- A, CD, GHI, ?, UVWXY
  - LMNO
  - MNO
  - NOPQ
  - MNOP
- 121, 225, 361, ?
  - 441
  - 484
  - 529
  - 729
- 2, 44, 4, 41, 6, 38, 8, ?
  - 10
  - 35
  - 32
  - 31

10. 3, 7, 23, 95, ?  
 a. 375      b. 390      c. 420      d. 479

**Direction for questions 11 to 15:** Complete the following series.

11. 49 : 81 :: 100 : ?  
 a. 64      b. 144      c. 169      d. None of these
12. DDA : ADD :: RRB : ?  
 a. BBR      b. BRR      c. RRR      d. DDA
13. 8 : 81 :: 7 : ?  
 a. 49      b. 36      c. 64      d. 50
14. B : D :: C : ?  
 a. I      b. K      c. S      d. V
15. 6 : 222 :: 7 : ?  
 a. 210      b. 336      c. 343      d. 350

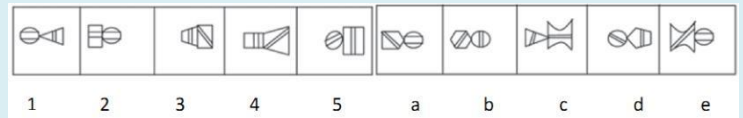
**Direction for questions 16 to 20:** Identify the odd term:

16. 56, 72, 90, 110, 132, 150  
 a. 90      b. 132      c. 150      d. 56
17. 125, 126, 124, 127, 123, 129  
 a. 126      b. 124      c. 123      d. 129
18. RAT, OUT, BED, LOT, TIN  
 a. LOT      b. TIN      c. RAT      d. OUT
19. 17, 27, 29, 37, 31  
 a. 29      b. 31      c. 27      d. None of these
20. 3, 4, 10, 32, 136, 685, 4116  
 a. 10      b. 32      c. 685      d. 4116

**Directions for questions 21 to 22:** Each of the following questions consists of five figures marked 1, 2, 3, 4 and 5 called the Problem Figures followed by five other figures marked a, b, c, d and e called the Answer Figures. Select a figure from amongst the answer figures which will be in continuation with the problem figures.

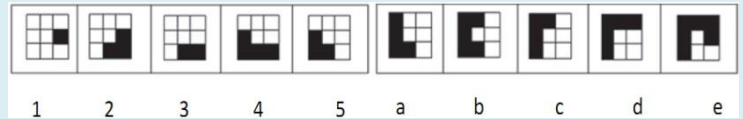
## 21. Problem Figures

## Answer Figures



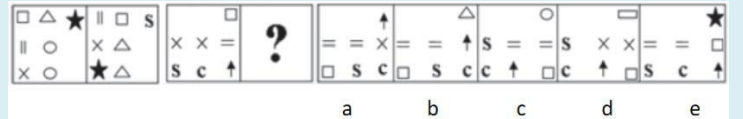
## 22. Problem Figures

## Answer Figures



## 23. Problem Figures

## Answer Figures



**Directions for questions 24 and 25:** In each of the following question, there are two problem figures followed by the answer figures marked as a, b, c, d and e. The two problem figures have some common characteristics. Select the answer figure which has the same characteristics.

## 24. Problem Figures

## Answer Figures



## 25. Problem Figures

## Answer Figures

