DeducePuzzles

Coding decoding questions with answers

15 exam-shaped questions with full worked solutions.
For IBPS · SBI · RRB · SSC reasoning.

Free, share it forward. Every question in this set was generated and verified by the DeducePuzzles engine — the same one behind the free daily puzzle round at **deducepuzzles.com**.

The questions

Work them on paper first. Full solutions start after question 15 — the numbering matches.

QUESTION 1

In a certain code, "SUN" is written as "RTM". The code for a word is "ADC". What was the original word?

Determine the coding pattern from the example and apply it to find the original word.

A. BED
B. OWL
C. TEA
D. BOX
E. BAT

QUESTION 2

What is the code for "blue"?

"blue garden paper" is coded as "su ki ro". "blue garden school" is coded as "ro du ki".

A. ki
B. la
C. su
D. mi
E. to

QUESTION 3

If "ROSE" is written as "WTXJ" in a certain code, how is "DESK" written in that code?

Determine the coding pattern from the example and apply it to the target word.

A. GHVN
B. KLZR
C. IJXP
D. JKYQ
E. HIWO

QUESTION 4

Which word is coded as "du"?

"silver school market" is coded as "fi la pa". "market silver blue garden" is coded as "za la mi fi". "train silver market" is coded as "fi la du". "garden train silver school" is coded as "pa du mi fi".

A. silver
B. market
C. blue
D. train
E. garden

QUESTION 5

In a certain code, "BOOK" is written as "JWWS". The code for a word is "UQTS". What was the original word?

Determine the coding pattern from the example and apply it to find the original word.

A. MILK
B. ROAD
C. FISH
D. STAR
E. ROSE

QUESTION 6

What is the code for "school"?

"garden bright train" is coded as "za fi ro". "river train school garden" is coded as "la za ro ne". "yellow train red river" is coded as "to la ro mi". "red yellow train garden" is coded as "mi to ro za".

A. ro
B. la
C. to
D. mi
E. ne

QUESTION 7

In a certain code, "FAN" is written as "CXK". The code for a word is "EXQ". What was the original word?

Determine the coding pattern from the example and apply it to find the original word.

A. KEY
B. BOX
C. JAR
D. HAT
E. SKY

QUESTION 8

Which word is coded as "fi"?

"red bright paper" is coded as "ki fi za". "red bright green" is coded as "mi ki za".

A. school
B. paper
C. red
D. train
E. yellow

QUESTION 9

In a certain code, "GOLD" is written as "AIFX". The code for a word is "LUCH". What was the original word?

Determine the coding pattern from the example and apply it to find the original word.

A. LION
B. FIRE
C. WIND
D. RAIN
E. BOOK

QUESTION 10

What is the code for "blue"?

"silver garden train paper" is coded as "su za fi to". "paper garden blue silver" is coded as "su du fi za". "silver train garden red" is coded as "to ki su fi". "garden train blue" is coded as "du su to".

A. ki
B. za
C. du
D. fi
E. to

QUESTION 11

In a certain code, "ROSE" is written as "YVZL". The code for a word is "MPYL". What was the original word?

Determine the coding pattern from the example and apply it to find the original word.

A. RAIN
B. FIRE
C. RICE
D. SHIP
E. TREE

QUESTION 12

What is the code for "silver"?

"market bright green" is coded as "ki mo su". "garden train blue" is coded as "za pa du". "green silver train" is coded as "za ro mo". "green bright blue" is coded as "su du mo".

A. pa
B. su
C. za
D. ro
E. du

QUESTION 13

In a certain code, "BUS" is written as "XQO". The code for a word is "BWJ". What was the original word?

Determine the coding pattern from the example and apply it to find the original word.

A. BAT
B. FAN
C. PIG
D. NET
E. HAT

QUESTION 14

Which word is coded as "la"?

"green yellow river" is coded as "fi ki la". "green yellow market" is coded as "ki ro fi".

A. paper
B. garden
C. green
D. river
E. silver

QUESTION 15

If "DESK" is written as "LMAS" in a certain code, how is "STAR" written in that code?

Determine the coding pattern from the example and apply it to the target word.

A. BCJA

B. ABIZ

C. CDKB

D. YZGX

E. ZAHY

Answers and worked solutions

Each walkthrough is the engine's own elimination order, step for step — not a reconstruction written after the fact.

SOLUTION 1

Answer: **BED**

1. Compare "SUN" → "RTM": each letter shifts forward by 25 (wrapping past Z).
2. To find the original, shift each letter of "ADC" BACK by 25: A→B, D→E, C→D.
3. So the original word is "BED".

SOLUTION 2

Answer: **ki**

1. "blue" is a word that appears in BOTH statements, so its code must appear in both coded lines.
2. Among the options, the only code that appears in both coded lines is "ki".
3. So "blue" is coded "ki".

SOLUTION 3

Answer: **IJXP**

1. Compare "ROSE" → "WTXJ": each letter shifts forward by 5 (wrapping past Z).
2. Apply the same +5 shift to "DESK": D→I, E→J, S→X, K→P.
3. So "DESK" is written as "IJXP".

SOLUTION 4

Answer: **train**

1. The code "du" appears in the 3rd and 4th coded lines and in no other.
2. The only word that appears in exactly the 3rd and 4th statements is "train" — every other word is either missing from one of those statements or also appears in another.
3. So "du" stands for "train".

SOLUTION 5

Answer: **MILK**

1. Compare "BOOK" → "JWWS": each letter shifts forward by 8 (wrapping past Z).
2. To find the original, shift each letter of "UQTS" BACK by 8: U→M, Q→I, T→L, S→K.
3. So the original word is "MILK".

SOLUTION 6

Answer: **ne**

1. "school" appears in the 2nd statement and in no other.
2. The only code that appears in exactly the 2nd coded line is "ne" — every other code is either missing from one of those lines or also appears in another.
3. So the code for "school" is "ne".

SOLUTION 7

Answer: **HAT**

1. Compare "FAN" → "CXK": each letter shifts forward by 23 (wrapping past Z).
2. To find the original, shift each letter of "EXQ" BACK by 23: E→H, X→A, Q→T.
3. So the original word is "HAT".

SOLUTION 8

Answer: **paper**

1. The code "fi" appears only in the first coded line.
2. Matching the shared words (red, bright) to the shared codes (ki, za) leaves the word unique to line 1.
3. That word is "paper".

SOLUTION 9

Answer: **RAIN**

1. Compare "GOLD" → "AIFX": each letter shifts forward by 20 (wrapping past Z).
2. To find the original, shift each letter of "LUCH" BACK by 20: L→R, U→A, C→I, H→N.
3. So the original word is "RAIN".

SOLUTION 10

Answer: **du**

1. "blue" appears in the 2nd and 4th statements and in no other.
2. The only code that appears in exactly the 2nd and 4th coded lines is "du" — every other code is either missing from one of those lines or also appears in another.
3. So the code for "blue" is "du".

SOLUTION 11

Answer: **FIRE**

1. Compare "ROSE" → "YVZL": each letter shifts forward by 7 (wrapping past Z).
2. To find the original, shift each letter of "MPYL" BACK by 7: M→F, P→I, Y→R, L→E.
3. So the original word is "FIRE".

SOLUTION 12

Answer: **ro**

1. "silver" appears in the 3rd statement and in no other.
2. The only code that appears in exactly the 3rd coded line is "ro" — every other code is either missing from one of those lines or also appears in another.
3. So the code for "silver" is "ro".

SOLUTION 13

Answer: **FAN**

1. Compare "BUS" → "XQO": each letter shifts forward by 22 (wrapping past Z).
2. To find the original, shift each letter of "BWJ" BACK by 22: B→F, W→A, J→N.
3. So the original word is "FAN".

SOLUTION 14

Answer: **river**

1. The code "la" appears only in the first coded line.
2. Matching the shared words (green, yellow) to the shared codes (fi, ki) leaves the word unique to line 1.
3. That word is "river".

SOLUTION 15

Answer: **ABIZ**

1. Compare "DESK" → "LMAS": each letter shifts forward by 8 (wrapping past Z).
2. Apply the same +8 shift to "STAR": S→A, T→B, A→I, R→Z.
3. So "STAR" is written as "ABIZ".

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