

CODING & DECODING

- KOUSTAV

CONCEPT

THE IMITATION GAME

KOUSTAV
Key $\rightarrow +1$
LPVTUBW
-1
KOUSTAV

A B C D E
 $\rightarrow \rightarrow \rightarrow \uparrow$

- Q1. If the word "CIRCUMSTANCE" is coded as CRUSACICMTNE, then the word "HAPPINESS" is coded as?
- ☒ A. HPEISAPNS ☒ B. HPISEAPNS C. HPIESPANS ☒ D. HPIESAPNS

CIRCUMSTANCE
CRUSACICMTNE
HAPPINESS

- Q2. If the word "STRUCTURE" is coded as TVUYHZBZN, then the word "REMEDY" is coded as?
- ☒ A. SGPIJE ☒ B. SGPEJD ☒ C. SGPIHE ☒ D. SGPIIE

STRUCTURE
+1 +2 +3 - - - -
TVUYHZBZN

REMEDY
+1 +2 +3 +4 +5
SGPIIE

- Recording
- Q3. If the word "BARRICADE" is coded as AABCDEIRR, then the word "INDIVIDUAL" is coded as?
- ☒ A. ADDIIILNUV ☒ B. ADDIINLUV
☒ C. AIIUDDLNV ☒ D. ADDINIILUV

INDIVIDUAL
ADDIIIL

- Q4. If the word "GROUND" is coded as HPRQ SX, then the word "NOURISH" is coded as?
- ☒ A. OMXNNMO ☒ B. MQRVDYA ☒ C. MQRTFXA ☒ D. OMVNMNO

GROUND
+1 -2 +3 -4 - - -
HPRQ SX

NOURISH
+1 -2 +3 -4 - - -
OMX

Q5. If the word "MAJESTY" is coded as NZKDTSZ, then which of the words is coded as HKJLQRF?

- ☒ A. GLORIFY ☒ B. GLISTEN ☒ C. GLOWING ☒ D. GLIMPSE

MAJESTY
+1 -1 +1 -1
NZKDTSZ

Decode HKJLQRF
-1 +1 -1 +1
GLIM

Q6. If the word "REGISTRATION" is coded as TSIGERNOITAR, then the word "ACCURATE" is coded as?

- ☒ A. UCCAETAR B. UACCETAR C. UCACETAR D. UCCATEAR

REGISTRATION
2 2
TSIGERNOITAR

ACCURATE
2 2
UCCAETAR

Q8. In a certain code, if Pen means Eraser, Eraser means Book, Book means Scale, Scale means Sharpener, Sharpener means Duster and Duster means table, then what is the name of the object that is used to clean the black board?

- A. Duster ☒ B. Sharpener C. Scale D. Table

OBJECT is called as NAME
NAME means OBJECT
Duster

Q9. Here are some words translated from an artificial language.

peslligen means basketball court

ligenstrisi means courtroom

oltaganti means placement test

Which word could mean "guest room"?

☒ A. peslstrisi

☒ B. vosefstrisi

☒ C. gantipesl

☒ D. oltastrisi

LIGEN → COURT

PESL → BB ←

STRISI → ROOM

Q11. If '+' means '-', '-' means 'x', 'x' means '/' and '/' means '+' then what is

$9 - 7 + 85 \times 17 / 15 = ?$

☒ A. 73

B. 83

C. 43

D. 68

$$9 - 7 + 85 \times 17 / 15$$

$$9 \times 7 - 85 / 17 + 15$$

$$63 - 5 + 15$$

$$\underline{\underline{73}}$$

Q12. Study the following information to answer the given questions: In a certain code, 'he was singing good' is written as 'la pa ho ta', 'good was the aim' is written as 'zo ho ji la', 'singing at the stadium' is written as 'ma ta ku ji', and 'was this a stadium' is written as 'ku bi ho vi'.

1 → 2, 3, 4
2 → 3, 4
3 → 4

I. Which of the following represents 'the aim stadium'?

- A. ma pa ji B. ku ji zo
C. ji ku la D. ji zo ma

II. What is the code for 'at'?

- A. zo B. ma C. ji D. ku

III. Which of the following may be the code for 'she was singing'?

- A. ho ma ta B. ro ta zo
C. ho ta bo D. ho bo ji

IV. Which of the following may be the code for 'he good singing'?

- A. ho ku zo B. la ma ta
C. pa la ta D. pa ho bi

V. What is the code for 'aim'?

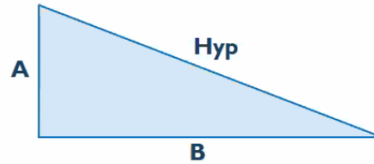
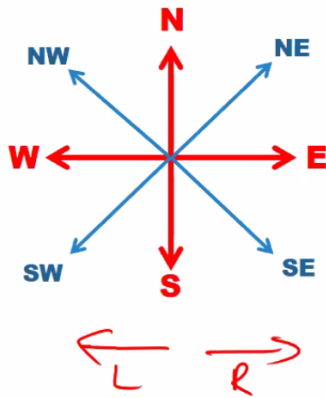
- A. zo B. pa C. ta D. bi

HE - Pa
WAS - Ho
SINGING - Ta
GOOD - La
THE - Ji
AIM - zo
AT - Ma
STADIUM - Ku
THIS - Bi / Vi
A - vi / Bi

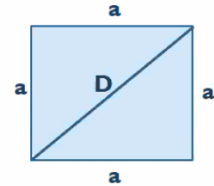
DIRECTIONS

- KOUSTAV

CONCEPT



$$Hyp = \sqrt{A^2 + B^2}$$



$$D = \sqrt{a^2 + a^2}$$

$$= \sqrt{2a^2}$$

$$D = a\sqrt{2}$$

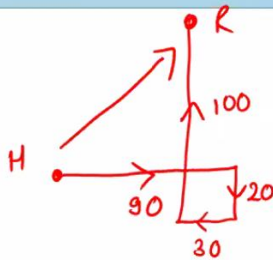
1. Ram started walking from his home in search of Sita. He went 90 m in the East, then he turned right and went 20 m. After this he turned right and after going 30 m he found a forest. He searched in the forest, but didn't find her. From there he went 100 m to his north and reached the bank of a river. In which direction from his home is he now?

A. North

B. East

☒ C. North-East

D. South-West



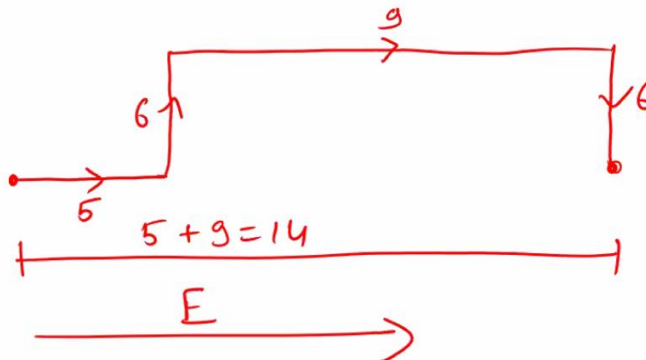
2. A boy runs 5 km towards East and then turns left and walks 6 km. Again he turns right and walks 9 km. Finally he turns to his right and walks 6 km. How far is he from the starting point and in which direction?

☒ A. 9km, West

☒ B. 14km, East

☒ C. 9km, East

D. 14km, West



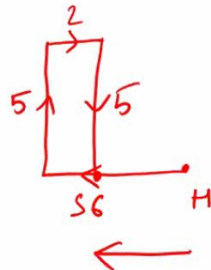
3. Early morning, Gendry started jogging, facing opposite the Sun, jogged for 6 km, then he turned right and jogged for 5 km, then again he turned right and jogged for 2 km and finally he jogged for 5 km by turning right and reached the swimming pool. In which direction from his home is the swimming pool?

☒ A. West

☐ B. East

☐ C. South

☐ D. North



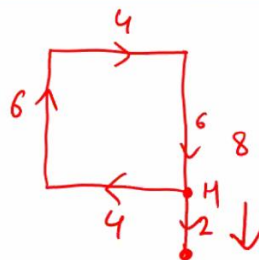
4. Snape starts walking from his home at 9 a.m. He walked 4 km towards West, then he turned right and walked for 6 km and then 4 km towards right, and finally he walked for 8 km to his right and reached the school in the town. How far and in which direction is he from his home now?

☒ A. 2 km South

☒ B. 12 km East

☒ C. 12 km South

☐ D. 2 km North



5. Tom started chasing Jerry from the dining table, ran behind him for $16\sqrt{2}$ m towards South-West, from there 2 m towards the East, then 9 m towards North, and then 2 m towards East and finally he ran for 7 m till the door in the North and caught Jerry. In which direction is the dining table with respect to the door?

☐ A. North-West

☐ B. West

☒ C. East

☐ D. South-East

