

Q1. If FISH is written as EHRG in a certain code, how would JUNGLE be written in that code?

- (a) ITMFKD
- (b) ITNFKD
- (c) KVOHMF
- (d) TIMFKD

Q2. If 3rd January, 2000 was a Sunday. What was the day the 3rd January, 2001?

- (a) Friday
- (b) Tuesday
- (c) Saturday
- (d) Wednesday

Q3. How many times are the hands of a clock at right angle in a day?

- (a) 22
- (b) 24
- (c) 44
- (d) 48

Q4. In a class Rohit's rank is 18th from top and 15th from bottom. How many students are there in that class?

- (a) 34
- (b) 32
- (c) 33
- (d) Cannot be determined

Q5. Rasik walks 20 m North. Then he turns right and walks 30 m. Then he turns right and walks 35 m. Then he turns left and walks 15 m. Then he again turns left and walks 15 m. In which direction and how many meters away is he from his original position?

- (a) 15 meters West
- (b) 30 meters East
- (c) 30 meters West
- (d) 45 meters East

Solutions

S1. Ans. (a)

Sol.

Each letter in the word is moved one step backward to obtain the corresponding letter of the code.

S2. Ans. (b)

Sol.

Number of odd days between 3rd January, 2000 and 3rd January, 2001 = 2

Therefore, Day on 3rd January, 2001 = Sunday + 2 = Tuesday.

S3. Ans. (c)

Sol.

In 12 hours, they are at right angles 22 times. In 24 hours, they are at right angles 44 times.

S4. Ans. (b)

Sol.

Total no. of student = [(rank from top + rank from bottom) – 1] = 18 + 15 – 1 = 32

S5. Ans. (d)

Sol.

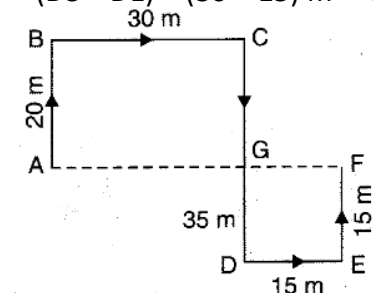
The movements of Rasik from A to F are as shown in given figure.

Since $CD = AB + EF$, so F lies in line with A.

∴ Rasik's distance from original position A

= $AF = (AG + GF)$

= $(BC + DE) = (30 + 15) \text{ m} = 45 \text{ m}.$



Also, F lies to the east to A

