Day - 11

① one person start from his home towards college which is 53 km far away. Another person started from college towards home after an hour. The speed of first one is 4 kmph and the second one is 3 kmph. Then, what is the distance from home to their meeting point?

A) 28 B) 32 C) 12 D) 21

Ans:- Total distance = 53 km

first person's speed = 4 kmph

second person's speed = 3 kmph

In first one hour, the distance travelled by first person = 4 × 1 = 4 km

Rest distance = 53 - 4 = 49 km

49 km is travelled by both the person.

So the time taken by both to travel the distance = $\frac{49}{4+3} = \frac{49}{7} = 7$ hr

Distance travelled by 1st person = 4 × 7 = 28 km

Distance travelled by 2nd person = 49 - 28 = 21 km

So the distance from home to their meeting point is 4 + 28 = 32 km

② what will be the output of this pseudocode?

```
main(){
    unsigned int i;
    for(i=1; i>=-2; i--){
        printf("Hcl Technologies.");
    }
```

a) Hcl b) Technologies c) Hcl Technologies

d) None

③ If each of the two parties of Knights consists of exactly three members, which of the following is not a possible travelling party and route?

a) P, S, U by the northern route
b) P, S, T by the northern route
c) P, S, T by the southern route
d) P, S, U by the southern route
e) Q, R, T by the southern route

④ What can be said of the following program?

```
main(){
    enum months { JAN = 1, FEB, MAR, APR };
    months x = JAN;
    if (x == 1){
        printf("Jan is the first month");
    }
}
```

a) does not print anything
b) prints: Jan is the first month
c) generates compilation error
d) Results in runtime error.