A clock, which loses uniformly, is 15 min fast at 9 am on 3rd of the December and is 25 min less than the correct time at 3 pm on 6th of the same month. At what time it was correct?

(a) 2 : 15 am on 3rd

(b) 2 : 15pm on 4th

(c) 2 : 15 pm on 3rd

(d) 2 : 15 am on 4th

Actual time is 8 45 am on 3rd to 3 25 pm on 6th

78 hr from 8.45 on 3rd to 2 45 pm 6th = 78 X 60 =4680min + 40 min till 3 25 pm =4720 min

40 min is lost in 4720 min

15 min is lost in 4720/40 * 15=1770 min=29.5 hours i.e after 29.5 hours from 8.45 am = 2.15 pm on 4th Ans

A watch which gains uniformly is 2 minutes slow at noon on Monday and is 4 min 48 sec fast at 2 p.m. on the following Monday when was it correct?

A

2 p.m. on Tuesday

B

2 p.m. on Wednesday

C

3 p.m. on Thursday

D

1 p.m. on Friday

Correct option is B)

Time from 12 p.m. on Monday to 2 p.m. on the following Monday = 7 days 2 hours = 170 hours.

The Watch gains (2+4 min.48 sec) or 6 min. 48 sec or 34/5 min in 170 hrs.

Now, 34/5 min. are gained in 170 hrs.

2 min.are gained in((170 / (34/5))×2) hrs = 50 hrs

Watch is correct 2 days 2 hrs. after 12 p.m. on Monday i.e., it will be correct at 2 p.m. on Wednesday

A clock is set right at 5 a.m. The clock loses 16 minutes in 24 hours. What will be the right time when the clock indicates 10 p.m. on the 4th day?

(a)8 p.m(b) 9 p.m(c) 10 p.m(d) 11 p.m

By options Answer D

or

16+16+16+8+3.33 mins=59.33 mins lost in 24+24+24+12 hrs+ 5 hrs