Calendar

Odd Days:

In a given period, the number of days more than the complete weeks are called odd days.

Leap Year:

Leap year should be divisible by 4. If it is divisible by 100 then it should be divisible by 400 as well.

Counting of Odd Days:

1 ordinary year = 365 days = (52 weeks + 1 day.)

1 ordinary year has 1 odd day.

1 leap year = 366 days = (52 weeks + 2 days)

1 leap year has 2 odd days.

100 years = 76 ordinary years + 24 leap years

= (76 x 1 + 24 x 2) odd days = 124 odd days.

= (17 weeks + days) $\equiv$ 5 odd days.

$\therefore$ Number of odd days in 100 years = 5.

Number of odd days in 200 years = (5 x 2) $\equiv$ 3 odd days.

Number of odd days in 300 years = (5 x 3) $\equiv$ 1 odd day.

Number of odd days in 400 years = (5 x 4 + 1) $\equiv$ 0 odd day.

Similarly, each one of 800 years, 1200 years, 1600 years, 2000 years etc. has 0 odd days.

Day of the Week Related to Odd Days:

No. of odd days	: 0	1	2	3	4	5	6
Day	: Sun	Mon	Tue	Wed	Thur	Fri	Sat