Calender

Sunday - 0
Mon - 1
Tue - 2
Wed - 3
Thur - 4
Fri - 5
Sat - 6

Ordinary year = 365 days
↓
52 - weeks + 1 Extraday.

Leap year : 366 days
52 weeks + 2 Extradays.

Years	- century odd days
1701 - 1800	5
1801 - 1900	3
1901 - 2000	1
2001 - 2100	0
2101 - 2200	5
2201 - 2300	3
2301 - 2400	1
2401 - 2500	0

25/4

Leap year or not

2022 → normal
2024 → leap [÷4]
2028
1926

Divisibility rule

Last two digit

15 / 05 / 2019 → Find Day

century - 0
year - 22
Month - 8
Day - 15
45 → 3 → Reminder → Wednesday

2018 → 18 → 4 leaps + 14 Normal years
4 (4×1)
8 + 14 = 22

April → [
Jan - 31 - 3
Feb - 28 - 0
mar - 31 - 3
Apr - 30 - 2
8

2) 12|03|2006 → which Day

Con - 0
ye - ~~2006~~ 6
Mon - 3
Date - 12
21 - 0
[21/7 - 0]

year 2005 → 1 + 4
↓ ↓
2 + 4
↓
6

Mon → Jan → 3
Feb → 0
3

Ans:- Sunday.

3) 13|04|1993

C - 1
y - 115
M - 6
D - 13
135

90's → 1
20's → 0
1992 → 23 + 69
46 + 69
⇒ 115

03 March
Jan - 3
Feb - 0
mar - 3
6

7 | 19
135
07
05
63
02 → Tuesday.

4) 04/04/2124 → which day

C - 5
D - 28
M - 7
D → 04
44

$44/7 = 02 \rightarrow$ Rem

Tuesday.

2123
↓
23 → 5+18
⇒ 10+18
⇒ 28

Month
Jan → 31 → 3
Feb → 28 → 1
March 31 → 3
7

II model

If Jan 10 2009 was Saturday
if Jan 10 2010 was ?

Sol: first search leap year, 00 not
If not means next is ~~any~~ one

Ans :- Sunday.

1) if 18th feb 1997 → Tues ~~Thursday~~

if 18th feb 1999 → ?

Sol:

→ 1997 → Tues ~~Thurs~~

1998 → wed ~~Fri~~

1999 → Thursday

2) If may 15 2019 → wed

It may 15 2020 → ? (Thur) X

Friday

Check:- Leap year or not

if leap year means extra one

Ans:- Friday.

Model:-3.

The calender of the year 2000 will be same for?

Ans:- 2028 //

Shoot cut

given year/4 → 0 → +28

year/4 → 1 → +6

year/4 → 2 → +11

year/4 → 3 → +11

Ex:- 2004 → 2004
28
2032

Ex 1976 → leap year → +28
+28
2004

Ex: 2019 ⇒ 2019/4 =

Ex:-
4 | 2014 (503)
4 Rem → 2 ⇒ +11 → 2014
11
2025

Ex:
2020 (505)
4 → 2020
25
2045 →

Ex:-
1) Sat was holiday for Republic day, 14th of the next month is again a holiday for Election Poll what is the day is it on 14th?

Rep :- 26/01 → sat
14/02 → ?

+ 5
14

19/7 → (5) Rem

Ans :- Thursday.

2) 'x' was born on march '6' 1993 the same year, independance day celebrate on friday on which day 'x' was born?

march/06/1993 → ? Thursday
↓
15/08 → friday

Sol :-

march → 31

	25 → mar
	30 → Ap
+	31 → may
	30 → June
	31 → july
	15 → Aug
	162

$\div$ 162 / 7 → (1) Rem

→ Ans :- Thursday.

Ex:- Suman went to the movie 9 day ago. She goes to the movie only on Thursday? what day of the week is today? (Sat)

9 days → Thursday.

↓

7 day → Thrs

8 → Frid

9 → Sat

Ex:- 1 Dec 1991 is first sunday, which is the fourth tuesday of Dec of 1991?

Sol:-

1 Dec → sunday

1st Tu ← 8 → sun

2 ← 15 → sun

3 ← 22 → sun

4 ← 29 → sun

23 → mon

24 → Tues

Ans. 24th Dec → 1991 → Tues

Ex. Today is monday after 50 days?

$50 \div 7 = 7$, 49

1 ⇒ Rem → next day = Tuesday

↓ Ans