Calenders

Basics 1 week - 7 days

1 year - 52 weeks + 1 extra day

52 weeks + 2 extra day (leap year)

Feb - 28 day, 29 days (leap year)

Day → 0 - Sunday
1 - Monday
2 - Tuesday
3 - Wednesday
4 - Thursday
5 - Friday
6 - Saturday

Months:

J	F	M	A	M	J	J	A	S	O	N	D
0	3	3	6	1	4	6	2	5	0	3	5

⇒ **Note:** 1600 - 1699 → 6
1700 - 1799 → 4
1800 - 1899 → 2
1900 - 1999 → 0
2000 - 2099 - 6

① What was the day 26th of Jan 1947.

Sol: 01. last 2 digit of year → 47

02. divide 2last year by 4 → 47/4 = 11

03. Take the date of the given year = 26

04. Month take the no1.. of year ⇒ Jan = 0 (coding System)

05: year Code = 0

Sum all ⇒ 47 + 11 + 26 + 0 = 84/7 = 0 (Rem

0 is mapped to Sunday

② Our Date of Birthday. 08-06-2003

Sol. 01. → 03 02 → 0 03 → 08 04 ⇒ Jun → 4 05 → 6

⇒ 3 + 0 + 08 + 04 + 06 = 21/7 = 0 → Sunday
(Rem)

03. 15th Aug 1947

⇒ 01. 47 02. 47/4 = 11 03. 15 04. Aug = 2

= 47 + 11 + 15 + 2 = 75/7 = 5 ⇒ Friday

04. What was the day of week 29 Feb 2012

Sol: 01 → 12 02 → 3 03. 29 04. 3 05. 6

= 12 + 3 + 29 + 3 + 6 = 24 + 29 = 53/7 = 4 Thursday

If it leap year (-1)

= 4 - 1 = 3 (Wednesday)

05. What was the day of week 22 July 1976.

Sol: 01 → 76 02 → 76/4 = 19 03: 22 04: July - 6 05 - 0

⇒ 76 + 19 + 22 + 6 + 0 = 98 + 19 = 117 = 12 3/7 = 4

4 → Thursday

06. Today is Monday. After 61 days, it will be.

Sol: ⇒ 7 days a week ⇒ so 63 day will be Monday.

= 61st day → Saturday

07. If 6th March, 2005 is Monday. what was the day of week on 6th March 2004?

Sol. 01 → 04 02 → 1 03 → 6 04 → 3 05 → 6 = 4 + 1 + 6 + 3 + 6

= 20/7 = 6th - 1 = 5th Friday ✗

⇒ 6th March 2005 → Monday

6th March, 2004 → -1 ⇒ Sunday

08. Which of the follow is not a leap year?

(a) 700 (b) 800 (c) 1200 (d) 2000

Ans ⇒ 700 (not divisible by 400)

09. what date of May 2002 did Monday fall?

Ans: May 1st 2002

a → 02 2 → 0 3 → 1 04 → 1 05 → 6 ⇒ 02 + 0 + 1 + 1 + 6

$= \frac{10}{7} = 3$ Wednesday

May 1st → Wednesday

May 6th ⇒ Monday ⇒ Next Monday ⇒ 6th + 7 = 13

13 + 7 = 20

20 + 7 = 27

dates are → 6, 13, 20, 27 [Monday]

10. what dates of June 2003 did Friday fall?

Sol: June 1st ⇒ Sunday

2 → M 3 → Tue 4 → W 5 → th 6 → Friday

6th Friday ⇒ 6 + 7 = 13

13 + 7 = 20

20 + 7 = 27

dates are → 6, 13, 20, 27.

011. Today Monday, After 30 days what day it will.

Sol: 28 → Monday

30 → Wednesday

or 7) 30 (4

28

2

Monday → 1

+ 2

3

Wednesday

12. Today is Thursday, After 20 days, what day it will.

Sol: 21st → thursday

20 → Wednesday

13. Jan 4th 2016 falls on Monday, what day of the week Jan 4th 2017. (in.

Sol: 2016 leap year ⇒ 2017+2 = 3 Wednesday

14. 1st March 2006 is Wednesday, 1st March 2010 falls.

Sol: ⇒ 2008 → leap = 4-1 = 3

3 + 2 = 5

1st March 2010 ⇒ Monday.

15. On 8th Dec, 2007 Saturday falls. what day of week was it on 8th Dec 2006?

Sol: Friday (-1)

16. The Calender for the year 2007 will be same for the year

(a) 2014 (b) 2016 (c) 2017 (d) 2018.

Sol: 2018 ⇒ 2018-2007 = 11

leap year → 8, 12, 16 → 3 ⇒ 11-3 = 8

= 8 + 3×2 = 14 / 7 = 0

therefor, 2018 will be Same.

(17) 8th March 2006 is wednesday, 8th March 2005 = ?

Sol: Tuesday