

# Calendar:- Important questions with solutions

**Q. 1**      **Directions:** Devansh's birthday is on Friday, April 14th. On what day of the week will Rohan's birthday be in the same year if Rohan was born on September 20th?

**Option 1:**  
Tuesday

**Option 2:**  
Friday

**Option 3:**  
Thursday

**Option 4:**  
Wednesday

**Correct Answer:**  
Wednesday

**Solution:**

Let's calculate the number of days between April 14th and September 20th.

Remaining days in April = 16

Days in May = 31

Days in June = 30

Days in July = 31

Days in August = 31

Days in September till 20th = 20

The total number of days is  $\rightarrow 16 + 31 + 30 + 31 + 31 + 20 = 159$

On dividing 159 by 7, the remainder is 5. So, five days after Friday is Wednesday.

Rohan's birthday will be on Wednesday. Hence, the **fourth option** is correct.

---

**Q. 2**      **Directions:** Today is Friday. After 55 days, it will be:

**Option 1:**

Tuesday

**Option 2:**

Thursday

**Option 3:**

Wednesday

**Option 4:**

Monday

**Correct Answer:**

Thursday

**Solution:**

**Given:**

Today is Friday. After 55 days.

There are 7 days in a week.

So, after dividing 55 by 7 = 6 as the remainder.

Friday + 6 days = Thursday

Therefore, after 55 days the day will be Thursday. Hence, the **second option** is correct.

---

**Q. 3**      **Directions:** The 15<sup>th</sup> of June is a Saturday. What will be the last day of the next month which has 31 days?

**Option 1:**

Tuesday

**Option 2:**

Monday

**Option 3:**

Friday

**Option 4:**

Wednesday

**Correct Answer:**

Wednesday

**Solution:**

**Given:**

15<sup>th</sup> June → Saturday

Here, the next month with 31 days will be July.

The total number of days from 15 June to 31 days of next month will be –

The remaining number of days in June after 15 June = 15

Number of days in July = 31

Total number of days =  $15 + 31 = 46$  days

On dividing 46 by 7, the quotient is 6 and the remainder is 4.

Thus, the number of odd days from 15<sup>th</sup> June to 31<sup>st</sup> July = 4

Day on 31<sup>st</sup> July = Saturday + 4 = Wednesday. Hence, the **fourth option** is correct.

---

**Q. 4**      **Directions:** If today is Friday, which day will it be after 72 days?

**Option 1:**

Thursday

**Option 2:**

Sunday

**Option 3:**

Friday

**Option 4:**

Tuesday

**Correct Answer:**

Sunday

**Solution:**

There are seven days in a week, so divide 72 by 7 to find the remainder →  $72 \div 7 = 10$  with a remainder of 2

Now, add the remainder (2 days) to the current day (Friday) –  
Friday + 2 days = Sunday

It will be Sunday after 72 days if today is Friday. Hence, the **second option** is correct.

---

**Q. 5**      **Directions:** What was the day of the week on 26th November 1994?

**Option 1:**

Friday

**Option 2:**

Wednesday

**Option 3:**

Saturday

**Option 4:**

Thursday

**Correct Answer:**

Saturday

**Solution:**

Code for months –

Month	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Code	0	3	3	6	1	4	6	2	5	0	3	5

Code for days –

Days	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Code	1	2	3	4	5	6	0 or 7

Code for centuries –

1600	1700	1800	1900	2000
6	4	2	0	6

For, 26th of November 1994 –

Formula: {Date + (Month code) + (Century code) + (last two digit of the year) + ((last two digit of the year ÷ 4)'s Quotient)} ÷ 7

Date = 26

Code for the month (November) = 3

Code for the century (1900) = 0

(1994 = 1900 + 94; For 1900 it will be 0 and for 94 it will be 94)

And,  $94 \div 4 = 23$ (Quotient)

Now, on adding them we get  $\rightarrow 26 + 3 + 0 + 94 + 23 = 146$

On dividing 146 by 7, we get 6 as a remainder.

6 is the code for Saturday.

So, the 26th of November 1994 will be Saturday. Hence, the **third option** is correct.

---

**Q. 6**      **Directions:** Which of the following calendars will be the same as the calendar for the year 2003?

**Option 1:**  
2014

**Option 2:**  
2013

**Option 3:**  
2012

**Option 4:**  
2011

**Correct Answer:**  
2014

**Solution:**

In a leap year, 366 days → 2 odd days

In a non-leap year, 365 days → 1 odd day

Calculating the number of odd days from 2003,

2004 → 2 odd days (leap year)

2005 → 1 odd day

2006 → 1 odd day

2007 → 1 odd day

2008→2 odd days (leap year)

2009→1 odd day

2010→1 odd day

2011→1 odd day

2012→2 odd days (leap year)

2013→1 odd day

2014→1 odd day

total number of odd years in 2011→10

Since  $10 \div 7$  gives a remainder of 3, the calendar will not be the same.

total number of odd years in 2012→12

Since  $12 \div 7$  gives a remainder of 5, the calendar will not be the same.

total number of odd years in 2013→13

Since  $13 \div 7$  gives a remainder of 6, the calendar will not be the same.

total number of odd years in 2014→14

Since  $14 \div 7$  gives a remainder of 0, the calendar will be the same.

So, the calendar of 2003 will be the same as that of 2014.

Therefore, 2014 is the required answer. Hence, the **first option** is correct.

---

**Q. 7**

**Directions:** If the 31st of January 2009 was a Saturday, then what was the day of the week on the 30th of January 2013?

**Option 1:**

Tuesday

**Option 2:**

Wednesday

**Option 3:**

Monday

**Option 4:**

Friday

**Correct Answer:**

Wednesday

**Solution:**

**Given:**

The 31st of January 2009 is Saturday.

Calculate the days between Jan 31, 2009, and Jan 30, 2013.

Number of remaining days in 2009  $\Rightarrow$  Feb = 28; March = 31;

April = 30; May = 31; June = 30; July = 31; Aug = 31; Sep = 30; Oct

= 31; Nov = 30; Dec = 31

$\Rightarrow 28 + 31 + 30 + 31 + 30 + 31 + 31 + 30 + 31 + 30 + 31 = 334$

From 2010 to 2012  $\Rightarrow (3 \times 365) + 1 = 1095 + 1 = 1096$

(1 day is being added as 2012 is a leap year.)

From Jan 1, 2013 to Jan 30, 2013  $\Rightarrow$  Jan = 30

Total number of days =  $334 + 1096 + 30 = 1460$

On dividing 1460 by 7, we get 4 as the remainder. So, four days after Saturday will be Wednesday.

So, the 30th of January 2013 was Wednesday. Hence, the **second option** is correct.

---

**Q. 8**      **Directions:** If exactly 1 year and 2 days later it is Tuesday, then what day is it today? It is not a leap year.

**Option 1:**  
Sunday

**Option 2:**  
Monday

**Option 3:**  
Saturday

**Option 4:**  
Tuesday

**Correct Answer:**  
Saturday

**Solution:**

**Given:**

1 year and 2 days later it is Tuesday.

Convert into days –

(Since it is not a leap year, we will consider 1 year = 365 days)

1 year 2 days =  $(1 \times 365) + 2 = 365 + 2 = 367$

On dividing 367 by 7, we will get 3 as a remainder.

So, three days before Tuesday is Saturday.

So, according to the given information, today is Saturday. Hence, the **third option** is correct.

---

**Q. 9**      **Directions:** Which of the following is a leap year?

*Option 1:*

1076

*Option 2:*

1675

*Option 3:*

1354

*Option 4:*

1998

**Correct Answer:**

1076

**Solution:**

A year is a leap year if it is divisible by 4 and a century year is a leap year if it is divisible by 400.

Let's check the options –

**First option:** 1076;  $1076 \div 4 = 269$ ; 1076 is divisible by 4.

**Second option:** 1675; 1675 is not divisible by 4.

**Third option:** 1354; 1354 is not divisible by 4.

**Fourth option:** 1998; 1998 is not divisible by 4.

So, only the first option is a leap year as it is divisible by 4.

Hence, the **first option** is correct.

---

**Q. 10**     **Directions:** If the third day of the month is Tuesday, which of the following would be the 25th day of that month?

**Option 1:**

Tuesday

**Option 2:**

Monday

**Option 3:**

Wednesday

**Option 4:**

Sunday

**Correct Answer:**

Wednesday

**Solution:**

**Given:**

The third day of the month is Tuesday.

Total number of days of that month =  $25 - 3 = 22$

On dividing 22 by 7, we get 1 as the remainder.

Tuesday + 1 day = Wednesday

So, the 25th day of that month is Wednesday. Hence, the **third option** is correct.

Careers360