

1. What day of the week does May 28 2006 fall on

- A. Saturday                      B. Monday  
C. Sunday                         D. Thursday

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**Answer :** Option C

**Explanation :**

28th May 2006 = (2005 years + period from 1-Jan-2006 to 28-May-2006)

We know that number of odd days in 400 years = 0

Hence the number of odd days in 2000 years = 0 (Since 2000 is a perfect multiple of 400)

Number of odd days in the period 2001-2005

= 4 normal years + 1 leap year

=  $4 \times 1 + 1 \times 2 = 6$

Days from 1-Jan-2006 to 28-May-2006 = 31 (Jan) + 28 (Feb) + 31 (Mar) + 30 (Apr) + 28(may)

= 148

148 days = 21 weeks + 1 day = 1 odd day

Total number of odd days = (0 + 6 + 1) = 7 odd days = 0 odd day

0 odd day = Sunday

Hence May 28 2006 is Sunday.

2. What will be the day of the week 15th August, 2010?

- A. Thursday                      B. Sunday  
C. Monday                         D. Saturday

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**Answer :** Option B

**Explanation :**

15th Aug 2010 = (2009 years + period from 1-Jan-2010 to 15-Aug-2010)

We know that number of odd days in 400 years = 0

Hence the number of odd days in 2000 years = 0 (Since 2000 is a perfect multiple of 400)

Number of odd days in the period 2001-2009

= 7 normal years + 2 leap year

=  $7 \times 1 + 2 \times 2 = 11 = (11 - 7 \times 1)$  odd day = 4 odd day

Days from 1-Jan-2010 to 15-Aug-2010

= 31 (Jan) + 28 (Feb) + 31 (Mar) + 30 (Apr) + 31 (May) + 30 (Jun) + 31 (Jul) + 15 (Aug)

= 227

227 days = 32 weeks + 3 day = 3 odd day

Total number of odd days =  $(0 + 4 + 3) = 7$  odd days = 0 odd day

0 odd day = Sunday

Hence 15th August, 2010 is Sunday.

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

- A. Thursday                      B. Sunday  
C. Monday                         D. Saturday

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**Answer :** Option D

**Explanation :**

61 days = 8 weeks 5 days = 5 odd days

Hence if today is Monday, After 61 days, it will be = (Monday + 5 odd days)

= Saturday

4. On what dates of April, 2001 did Wednesday fall?

- A. 2<sup>nd</sup>, 9<sup>th</sup>, 16<sup>th</sup>, 23<sup>rd</sup>            B. 4<sup>th</sup>, 11<sup>th</sup>, 18<sup>th</sup>, 25<sup>th</sup>

C. 3<sup>rd</sup>, 10<sup>th</sup>, 17<sup>th</sup>, 24<sup>th</sup>      D. 1<sup>st</sup>, 8<sup>th</sup>, 15<sup>th</sup>, 22<sup>nd</sup>, 29<sup>th</sup>

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**Answer :** Option B

**Explanation :**

We need to find out the day of 01-Apr-2001

01-Apr-2001 = (2000 years + period from 1-Jan-2001 to 01-Apr-2001)

We know that number of odd days in 400 years = 0

Hence the number of odd days in 2000 years = 0 (Since 2000 is a perfect multiple of 400)

Days from 1-Jan-2001 to 01-Apr-2001 = 31 (Jan) + 28 (Feb) + 31 (Mar) + 1(Apr) = 91

91 days = 13 weeks = 0 odd day

Total number of odd days = (0 + 0) = 0 odd days

0 odd day = Sunday. Hence 01-Apr-2001 is Sunday.

Hence first Wednesday of Apr 2011 comes in 04<sup>th</sup> and successive Wednesdays come in 11<sup>th</sup>, 18<sup>th</sup> and 25<sup>th</sup>

5. How many days are there in x weeks x days

- A. 14x                              B. 8x  
C. 7x<sup>2</sup>                              D. 7

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**Answer :** Option B

**Explanation :**

x weeks x days = (7 × x) + x = 7x + x = 8x days

6. The calendar for the year 2007 will be the same for the year

- A. 2017                              B. 2018

[Here is the answer and explanation](#)

**Answer :** Option B

**Explanation :**

For a year to have the same calendar with 2007 ,the total odd days from 2007 should be 0.

<b>Year</b>	:	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Odd Days</b>	:	1	2	1	1	1	2	1	1	1	2	1

**Take the year 2014 given in the choice.**

Total odd days in the period 2007-2013 = 5 normal years + 2 leap year

$$= 5 \times 1 + 2 \times 2 = 9 \text{ odd days}$$

= 2 odd day (As we can reduce multiples of 7 from odd days which will not change anything)

**Take the year 2016 given in the choice.**

Number of odd days in the period 2007-2015 = 7 normal years + 2 leap year

$$= 7 \times 1 + 2 \times 2 = 11 \text{ odd days}$$

$$= 4 \text{ odd days}$$

(Even if the odd days were 0, calendar of 2007 will not be same as the calendar of 2016 because 2007 is not a leap year whereas 2016 is a leap year. In fact, you can straight away ignore this choice due to this fact without even bothering to check the odd days)

**Take the year 2017 given in the choice.**

Number of odd days in the period 2007-2016 = 7 normal years + 3 leap year

$$= 7 \times 1 + 3 \times 2 = 13 \text{ odd days}$$

$$= 6 \text{ odd days}$$

**Take the year 2018 given in the choice.**

Number of odd days in the period 2007-2017 = 8 normal years + 3 leap year

$$= 8 \times 1 + 3 \times 2 = 14 \text{ odd days}$$

= 0 odd day (As we can reduce multiples of 7 from odd days which will not change

anything)

Also, both 2007 and 2018 are not leap years.

Since total odd days in the period 2007-2017 = 0 and both 2007 and 2018 are of same type, 2018 will have the same calendar as that of 2007

7. Which of the following is not a leap year?

- A. 1200                      B. 800  
C. 700                        D. 2000

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**Answer :** Option C

**Explanation :**

Remember the leap year rule (Given in the formulas)

1. Every year divisible by 4 is a leap year, if it is not a century.
2. Every 4th century is a leap year, but no other century is a leap year.

800,1200 and 2000 comes in the category of 4th century (such as 400,800,1200,1600,2000 etc).

Hence 800,1200 and 2000 are leap years

700 is not a 4th century, but it is a century. Hence it is not a leap year

8. 01-Jan-2007 was Monday. What day of the week lies on 01-Jan-2008?

- A. Wednesday                      B. Sunday  
C. Friday                              D. Tuesday

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**Answer :** Option D

**Explanation :**

Given that January 1, 2007 was Monday.

Odd days in 2007 = 1 (we have taken the complete year 2007 because we need to find out

the odd days from 01-Jan-2007 to 31-Dec-2007, that is the whole year 2007)



C. Tuesday

D. Friday

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**Answer :** Option C

**Explanation :**

We know that number of odd days in 100 years = 5

Hence last day of the first century is Friday

Number of odd days in 200 years =  $5 \times 2 = 10 = 3$  (*As we can reduce multiples of 7 from odd days which will not change anything*)

Hence last day of the 2<sup>nd</sup> century is Wednesday

Number of odd days in 300 years =  $5 \times 3 = 15 = 1$  (*As we can reduce multiples of 7 from odd days which will not change anything*)

Hence last day of the 3<sup>rd</sup> century is Monday

We know that number of odd days in 400 years = 0. ( $5 \times 4 + 1 = 21 = 0$ )

Hence last day of the 4<sup>th</sup> century is Sunday

Now this cycle will be repeated.

Hence last day of a century will not be Tuesday or Thursday or Saturday.

its better to learn this by heart which will be helpful to save time in objective type exams

12. January 1, 2008 is Tuesday. What day of the week lies on Jan 1, 2009?

A. Saturday

B. Wednesday

C. Thursday

D. Saturday

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**Answer :** Option C

**Explanation :**



17 Jun 1998 = (1997 years + period from 1-Jan-1998 to 17-Jun-1998)

We know that number of odd days in 400 years = 0

Hence the number of odd days in 1600 years = 0 (Since 1600 is a perfect multiple of 400)

Number of odd days in the period 1601-1900

= Number of odd days in 300 years

=  $5 \times 3 = 15 = 1$

(As we can reduce perfect multiples of 7 from odd days without affecting anything)

Number of odd days in the period 1901-1997

= 73 normal years + 24 leap year

=  $73 \times 1 + 24 \times 2 = 73 + 48 = 121 = (121 - 7 \times 17) = 2$  odd days

Number of days from 1-Jan-1998 to 17-Jun-1998

= 31 (Jan) + 28 (Feb) + 31 (Mar) + 30 (Apr) + 31 (May) + 17 (Jun)

= 168

168 days = 0 odd day

Total number of odd days =  $(0 + 1 + 2 + 0) = 3$

3 odd days = Wednesday

Hence 17th June 1998 is Wednesday.

15. 6th March, 2005 is Monday, what was the day of the week on 6th March, 2004?

- A. Friday  
B. Saturday  
C. Wednesday  
D. Sunday

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[Here is the answer and explanation](#)

**Answer :** Option D

**Explanation :**

Number of days from 6th March, 2004 to 5th March 2005 = 365 days

(Though Feb 2004 has 29 days as it is a leap year, it will not come in the required period)

365 days = 1 odd day

Given that 6th March, 2005 is Monday

Hence 6th March, 2004 = (Monday - 1 odd day) = Sunday

16. What day of the week was 1 January 1901

- A. Monday                      B. Tuesday  
C. Saturday                     D. Friday

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**Answer :** Option B

**Explanation :**

1 Jan 1901 = (1900 years + 1-Jan-1901)

We know that number of odd days in 400 years = 0

Hence the number of odd days in 1600 years = 0 (Since 1600 is a perfect multiple of 400)

Number of odd days in the period 1601-1900

= Number of odd days in 300 years

=  $5 \times 3 = 15 = 1$

(As we can reduce perfect multiples of 7 from odd days without affecting anything)

1-Jan-1901 = 1 odd day

Total number of odd days =  $(0 + 1 + 1) = 2$

2 odd days = Tuesday

Hence 1 January 1901 is Tuesday.

17. What day of the week will 22 Apr 2222 be?

A. Monday

B. Tuesday

C. Sunday

D. Thursday

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**Answer :** Option A

**Explanation :**

22 Apr 2222 = (2221 years + period from 1-Jan-2222 to 22-Apr-2222)

We know that number of odd days in 400 years = 0

Hence the number of odd days in 2000 years = 0 (Since 2000 is a perfect multiple of 400)

Number of odd days in the period 2001-2200

= Number of odd days in 200 years

=  $5 \times 2 = 10 = 3$

(As we can reduce perfect multiples of 7 from odd days without affecting anything)

Number of odd days in the period 2201-2221

= 16 normal years + 5 leap years

=  $16 \times 1 + 5 \times 2 = 16 + 10 = 26 = 5$  odd days

Number of days from 1-Jan-2222 to 22 Apr 2222

= 31 (Jan) + 28 (Feb) + 31 (Mar) + 22(Apr) = 112

112 days = 0 odd day

Total number of odd days =  $(0 + 3 + 5 + 0) = 8 = 1$  odd day

1 odd days = Monday

Hence 22 Apr 2222 is Monday.

18. Today is Thursday. The day after 59 days will be?

A. Monday

B. Tuesday

C. Saturday

D. Sunday

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**Answer :** Option D

**Explanation :**

59 days = 8 weeks 3 days = 3 odd days

Hence if today is Thursday, After 59 days, it will be = (Thursday + 3 odd days)

= Sunday

19. What is the year next to 1990 which will have the same calendar as that of the year 1990?

A. 1992

B. 2001

C. 1995

D. 1996

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**Answer :** Option B

**Explanation :**

For a year to have the same calendar with 1990 ,total odd days from 1990 should be 0.

**Take the year 1992 from the given choices.**

Total odd days in the period 1990-1991= 2 normal years

$\equiv 2 \times 1 = 2$  odd days

**Take the year 1995 from the given choices.**

Number of odd days in the period 1990-1994 = 4 normal years + 1 leap year

$\equiv 4 \times 1 + 1 \times 2 = 6$  odd days

**Take the year 1996 from the given choices.**

Number of odd days in the period 1990-1995= 5 normal years + 1 leap year

$\equiv 5 \times 1 + 1 \times 2 = 7$  odd days  $\equiv 0$  odd days

*(As we can reduce multiples of 7 from odd days which will not change anything)*

Though number of odd days in the period 1990-1995 is 0, there is a catch here.

1990 is not a leap year whereas 1996 is a leap year.

Hence calendar for 1990 and 1996 will never be the same.

**Take the year 2001 from the given choices.**

Number of odd days in the period 1990-2000= 8 normal years + 3 leap years

$\equiv 8 \times 1 + 3 \times 2 = 14$  odd days  $\equiv 0$  odd days

Also, both 1990 and 2001 are normal years.

Hence 1990 will have the same calendar as that of 2001

20. January 1, 2004 was a Thursday, what day of the week lies on January 1 2005.

A. Saturday

B. Monday

C. Saturday

D. Tuesday

[Here is the answer and explanation](#)

**Answer :** Option C

**Explanation :**

Given that January 1, 2004 was Thursday.

Odd days in 2004 = 2 (because 2004 is a leap year)

(Also note that we have taken the complete year 2004 because we need to find out the odd days from 01-Jan-2004 to 31-Dec-2004, that is the whole year 2004)

Hence January 1, 2005 = (Thursday + 2 Odd days) = Saturday

21. If the first day of a year (other than leap year) was Friday, then which was the last day of that year?

A. Saturday

B. Friday

C. Tuesday

D. Monday

[Here is the answer and explanation](#)

**Answer :** Option B

**Explanation :**

Given that first day of a normal year was Friday

Odd days of the mentioned year = 1 (Since it is an ordinary year)

Hence First day of the next year = (Friday + 1 Odd day) = Saturday

? Last day of the mentioned year = Friday

22. If 1<sup>st</sup> October is Sunday, then 1<sup>st</sup> November will be

A. Saturday

B. Thursday

C. Wednesday

D. Tuesday

[Here is the answer and explanation](#)

**Answer :** Option C

**Explanation :**

Given that 1<sup>st</sup> October is Sunday

Number of days in October = 31

31 days = 3 odd days

(As we can reduce multiples of 7 from odd days which will not change anything)

Hence 1<sup>st</sup> November = (Sunday + 3 odd days) = Wednesday

23. Arun went for a movie nine days ago. He goes to watch movies only on Thursdays. What day of the week is today?

A. Wednesday

B. Saturday

C. Friday

D. Sunday

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**Answer :** Option B

**Explanation :**

Clearly it can be understood from the question that 9 days ago was a Thursday

Number of odd days in 9 days = 2 (As  $9-7 = 2$ , reduced perfect multiple of 7 from total days)

Hence today = (Thursday + 2 odd days) = Saturday

24. 1.12.91 is the first Sunday. Which is the fourth Tuesday of December 91?

A. 20.12.91

B. 22.12.91

C. 24.12.91

D. 25.12.91

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**Answer :** Option C

**Explanation :**

Given that 1.12.91 is the first Sunday

Hence we can assume that 3.12.91 is the first Tuesday

If we add 7 days to 3.12.91, we will get second Tuesday

If we add 14 days to 3.12.91, we will get third Tuesday

If we add 21 days to 3.12.91, we will get fourth Tuesday

=> fourth Tuesday = (3.12.91 + 21 days) = 24.12.91

25. If the day before yesterday was Thursday, when will Sunday be?

- A. Day after tomorrow                      B. Tomorrow  
C. Two days after today                    D. Today

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**Answer :** Option B

**Explanation :**

Day before yesterday was Thursday

=>Yesterday was a Friday

=> Today is a Saturday

=> Tomorrow is a Sunday

26. The second day of a month is Friday, What will be the last day of the next month which has 31 days?

- A. Friday                                      B. Saturday  
C. Wednesday                              D. Data inadequate

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[Here is the answer and explanation](#)

**Answer :** Option D

**Explanation :**

We cannot find out the answer because the number of days of the current month is not given.

27. How many days will there be from 26<sup>th</sup> January,1996 to 15<sup>th</sup> May,1996(both days included)?

- A. 102                                      B. 103  
C. 111                                      D. 120

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**Answer :** Option C

**Explanation :**

Number of days from 26-Jan-1996 to 15-May-1996 (both days included)

= 6(Jan) + 29(Feb) + 31 (Mar) + 30(Apr)+ 15(May) = 111



**Explanation :**

Mentioned month has begins on a Saturday and has 30 days

Sundays = 2<sup>nd</sup>, 9<sup>th</sup>, 16<sup>th</sup>, 23<sup>rd</sup>, 30<sup>th</sup>

=> Total Sundays = 5

Second Saturdays = 8<sup>th</sup> and 22<sup>nd</sup>

Total Second Saturdays = 2

Total Holidays = Total Sundays + Total Second Saturdays = 5 + 2 = 7

Total days in the month = 30

Total working days = 30 - 7 = 23