

IV. 2 b) Shortcut to find the day

1. Month Code:

0	3	3		6	1	4		6	2	5		0	3	5
Jan	Feb	Mar		Apr	May	Jun		July	Aug	Sept		Oct	Nov	Dec

2. Year Code

Years between	Code/Odd days
1600-1699	6
1700-1799	4
1800-1899	2
1900-1999	0
2000-2099	6

Steps:

Find the sum of:

1. Date
2. Last 2 digits of the year
3. Quotient of last two digits of the year when divided by 4
4. Code of month
5. Odd days of the year

The odd days in the above sum value will give the day

Note:

Incase of months of January and February in a leap year, subtract one odd day from the total odd days.

Shortcut (Only when you are not crossing a an ordinary century year) :

Leap year calendar repeats every 28 years.

LY	1ST	2ND	3RD	LY
28	6	11	11	28

Here 28 is distributed as 6+11+11.

Rules:

a) If given year is at 1st position then next repeated calendar year is
Given+6.

b) If given year is at 2nd position then next repeated calendar year is
Given+11.

c) If given year is at 3rd position then next repeated calendar year is
Given+11.

Example:

Find the year which has same calendar as that of 2007 after it.

Sol:

LY	1ST	2ND	3RD	LY
28	6	11	11	28

Given year is 2007

According to the above Rule:

2007 is at the 3rd position. So add 11 yr

$2007 + 11 = 2018$

so the same Calendar after 2007 is 2018.

CALENDAR

1. What was the day of the week Jan 1, 2010?
A. Sunday B. Saturday C. Friday D. Wednesday
2. What was the day of the week on 28th May, 2006?
A. Thursday B. Friday C. Saturday D. Sunday
3. What was the day of the week on 17th June, 1998?

A. Monday B. Tuesday C. Wednesday D. Thursday

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

A. Sunday B. Monday C. Tuesday D. Friday

5. Today is Monday. After 61 days, it will be:

A. Wednesday B. Saturday C. Tuesday D. Thursday

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

A. Sunday B. Saturday C. Tuesday D. Wednesday

7. on what dates of April, 2001 did Wednesday fall?

A. 1st, 8th, 15th, 22nd, 29th

B. 2nd, 9th, 16th, 23rd, 30th

C. 3rd, 10th, 17th, 24th

D. 4th, 11th, 18th, 25th

8. How many days are there in x weeks x days?

A. $7x^2$ B. $8x$ C. $14x$ D. 7

9. The last day of a century cannot be

A. Monday B. Wednesday C. Tuesday D. Friday

10. On 8th Feb, 2005 it was Tuesday. What was the day of the week on 8th Feb, 2004?

A. Tuesday B. Monday C. Sunday D. Wednesday

11. The calendar for the year 2007 will be the same for the year:

A. 2014 B. 2016 C. 2017 D. 2018

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

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

13. On 8th Dec, 2007 Saturday falls. What day of the week was it on 8th Dec, 2006?

A. Sunday B. Thursday C. Tuesday D. Friday

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

A. Monday B. Wednesday C. Thursday D. Sunday

15. January 1, 2007 was Monday. What day of the week lies on Jan. 1, 2008?

A. Monday B. Tuesday C. Wednesday D. Sunday

16. What was the day on 15th August 1947?

A) Friday B) Saturday C) Sunday D) Thursday

17. What was the day of the week on, 16th July, 1776?

A) Tuesday B) Wednesday C) Monday D) Saturday

18. What was the day of the week on 28th May, 2006?

A) Sunday B) Friday C) Wednesday D) Tuesday

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

A) Sunday B) Saturday C) Wednesday D) Monday

20. January 1, 2007 was Monday. What day of the week lies on Jan. 1, 2008?

A) Monday B) Tuesday C) Wednesday D) Sunday

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

A) Sunday B) Saturday C) Tuesday D) Wednesday

22. On 8th Dec, 2007 Saturday falls. What day of the week was it on 8th Dec, 2006?

A) Saturday B) Friday C) Monday D) Tuesday

23. What was the day of the week on 28th May, 2006?

A) Thursday B) Friday C) Saturday D) Sunday

24. On 8th Feb, 2005 it was Tuesday. What was the day of the week on 8th Feb, 2004?

A) Tuesday B) Saturday C) Friday D) Sunday

25. The maximum gap between two successive leap years is?

A) 4 B) 8 C) 2 D) 1

26. If Aug 15th, 2012 falls on Thursday then June 11th, 2013 falls on which day?

A) Wednesday B) Saturday C) Monday D) Tuesday

27. If Feb 12th, 1986 falls on Wednesday then Jan 1st, 1987 falls on which day?

A) Wednesday B) Tuesday C) Thursday D) Friday

28. Prove that any date in March of a year is the same day of the week corresponding date in November that year.

A) Same day B) Not same day C) Next day D) Previous day

29. If Mar 18th, 1994 falls on Friday then Feb 25th, 1995 falls on which day?

A) Wednesday B) Monday C) Saturday D) Sunday

30. If July 9th, 2013 falls on Sunday then Jan 7th, 2014 falls on which day?

A) Sunday B) Saturday C) Monday D) Friday

31. How many leap years do 300 years have?

A) 75 B) 74 C) 72 D) 73

32. The calendar of the year 2024 can be used again in the year?

A) 2030 B) 2052 C) 2048 D) 2036

33. The calendar for the year 1993 will be same for the year:

A) 1999 B) 1992 C) 1998 D) 2003

34. How many leap years do 100 years have?

A) 25 B) 24 C) 4 D) 26

35. On 17th March, 1997 Monday falls. What day of the week was it on 17th March, 1996?

A) Monday B) Tuesday C) Sunday D) Wednesday

36. On 19th June, 1984 Monday falls. What day of the week was it on 19th June, 1985?

A) Sunday B) Monday C) Tuesday D) Wednesday

37. The year next to 2005 will have the same calendar that of the year 2005?

A) 2016 B) 2022 C) 2011 D) None

38. What will be the day on 18th Feb, 2016?

A) Friday B) Thursday C) Saturday D) Wednesday

39. It was Sunday on Jan 1, 2006. What was the day of the week Jan 1, 2010?

A) Sunday B) Saturday C) Friday D) Wednesday

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

A) Sunday B) Saturday C) Tuesday D) Wednesday

41. Which year has 366 days?

A) 1900 B) 1200 C) 2500 D) 1700

42. The calendar of the year 1897 can be used again in the year?

A) 1908 B) 1901 C) 1903 D) 1926

43. On 1st Jan, 2005 Saturday falls. What day of the week was it on 1st Jan, 2006?

A) Saturday B) Monday C) Sunday D) Tuesday

44. April 19th, 1986 falls on which day?

A) Saturday B) Wednesday C) Thursday D) Friday

45. The calendar of year 1939 is same as which year?

A) 1943 B) 1964 C) 1950 D) 1956

46. What was the day of the week on 17th June, 1998 ?

A) Monday B) Tuesday C) Wednesday D) Friday

47. It was Sunday on Jan 1, 2006. What was the day of the week Jan 1, 2010?

A) Sunday B) Saturday C) Friday D) Wednesday

48. Which calendar was used again in the year 1856?

A) 1828 B) 1850 C) 1830 D) 1852

49. What was the day on 9th May, 2001?

A) Wednesday B) Saturday C) Thursday D) Tuesday

50. What was the day on 25th Jan, 1981?

A) Monday B) Friday C) Sunday D) Tuesday

51. The year next to 2003 will have the same calendar as that of the year 2003?

A) 2024 B) 2014 C) 2009 D) 2020

52. On 8th Feb, 2005 it was Tuesday. What was the day of the week on 8th Feb, 2004?

A) Tuesday B) Monday C) Sunday D) Wednesday

53. What was the day on 16th June, 1993?

A) Saturday B) Monday C) Wednesday D) Friday

54. What was the day of the week on 28th May, 2006?

A) Thursday B) Friday C) Saturday D) Sunday

55. The calendar of year 1989 was same as which year?

A) 1978 B) 1970 C) 1980 D) 1985

56. Which of the following years have 366 days?

A) 1984 B) 1863 C) 1900 D) 2500

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

A) Tuesday B) Wednesday C) Sunday D) Friday

58. The calendar of the year 2006 was used before in the year?

A) 1990 B) 1995 C) 2002 D) 2000

59. What was the day on 31st Dec, 2011 ?

A) Monday B) Saturday C) Sunday D) Friday

60. Oct 1st 1994 falls on which day?

A) Sunday B) Saturday C) Friday D) Wednesday

ANSWER KEY	
QUESTION NUMBER	ANSWERS
1	C Friday
2	D Sunday
3	C Wednesday
4	A Sunday
5	B Saturday
6	A Sunday
7	D 4 th , 11 th , 18 th , 25 th
8	B 8x
9	C Tuesday
10	C Sunday
11	D 2018

12	A 700
13	D Friday
14	C Thursday
15	B Tuesday
16	A Friday
17	A Tuesday
18	A Sunday
19	A Sunday
20	B Tuesday
21	A Sunday
22	B Friday
23	D Sunday
24	D Sunday
25	B 8
26	A Wednesday
27	C Thursday
28	A Same day
29	C Saturday
30	A Sunday
31	C 72
32	B 2052
33	A 1999
34	B 24
35	C Sunday
36	C Tuesday
37	C 2011
38	B Thursday
39	C Friday
40	A Sunday
41	B 1200
42	C 1903
43	C Sunday
44	A Saturday
45	C 1950
46	C Wednesday
47	C Friday
48	A 1828
49	A Wednesday
50	C Sunday
51	B 2014
52	C Sunday
53	C Wednesday
54	D Sunday
55	A 1978
56	A 1984
57	C Sunday

58	B 1995
59	B Saturday
60	B Saturday