GATE   Hinglish

General Aptitude
Quantitative Aptitude

DPP-10

Calendars

1. Find the day of the week of April 16th, 1976, if April 16th 1974 was Tuesday?

    (a) Friday   (b) Monday
    (c) Tuesday   (d) Saturday

2. Find the day of the week on 15th January, 1979?
    (a) Sunday   (b) Monday
    (c) Friday   (d) Wednesday

3. If 23rd May, 2003 is a Friday, what day of the week will be 23rd December?

    (a) Sunday   (b) Monday
    (c) Tuesday   (d) Friday

4. January 3rd, 1992 was a Friday. What day of the week was January 3rd, 1993?
    (a) Sunday   (b) Thursday
    (c) Friday   (d) Saturday

5. On which day of the week does 28th May, 2003 fall?
    (a) Monday   (b) Tuesday
    (c) Wednesday   (d) Thursday

6. If your birthday is on 28th May, 1991, then what day it was?
    (a) Tuesday   (b) Wednesday
    (c) Friday   (d) Sunday

7. What day of the week is 1st March, 1990?
    (a) Sunday   (b) Thursday
    (c) Tuesday   (d) Friday

8. Which year will have the same calendar that of 2007?
    (a) 2008   (b) 2013
    (c) 2010   (d) 2018

9. Which year will have same calendar that of 2001?
    (a) 2002   (b) 2005
    (c) 2006   (d) 2007

10. You entered the college first time on 4th June, 2001. What was the day?
    (a) Monday   (b) Tuesday
    (c) Wednesday   (d) Thursday

Answer Key

1. (a)
2. (b)
3. (c)
4. (a)
5. (c)

6. (a)
7. (b)
8. (d)
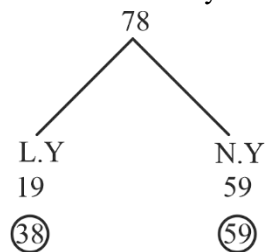9. (d)
10. (a)

Hints and Solutions

1. (a)

From 16th April 1974 to 16th April 1976 is completely one normal year and one leap year as February of 1975 and 1976 fall in.

Thus 1 + 2 = 3 odd days

Tuesday + 3 = Friday

2. (b)

1900 → 1 odd day

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          78
         /  \
      L.Y    N.Y
      19     59
      (38)   (59)
```

3 + 3 = 6 odd days

1978 → 1 + 6 = 7 or 0 odd days

January = 1 odd day (15)

Total 0 + 1 = 1 (Monday)

3. (c)

After 23 May, left days in May = 8 = 1 odd day

June – 2; July – 3; August – 3; September – 2

October – 3; November – 2; December – 2 (23)

Total = 4 odd days (18)

∴ Friday + 4 = Tuesday.

4. (a)

From 3rd January, 1992 to 3rd January, 1993 is complete one leap year as February of 1992 falls in.

Thus 2 odd days

Friday + 2 = Sunday

5. (c)
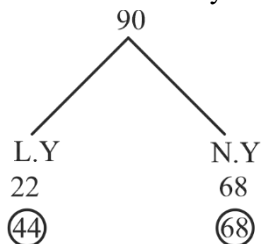
2000 → 0 odd days

2 years further = 2 odd days (N.Y)

2002 → 0 + 2 = 2 odd days

J – 3; F – 0; M – 3; A – 2: M – 0 = 1 odd days

Total 2 + 1 = 3 odd days (Wednesday)

6. (a)

1900 → 1 odd day

```
          90
         /  \
      L.Y    N.Y
      22     68
      (44)   (68)
```

2 + 5 = 7 or 0 odd days
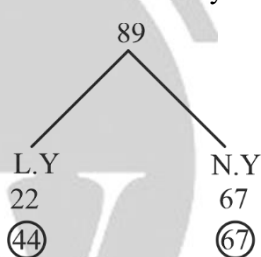
1990 → 1 + 0 = 1 odd day

J – 3; F – 0; M – 3; A – 2; M – 0 = 1 odd day

Total 1 + 1 = 2 odd days (Tuesday)

7. (b)

1900 → 1 odd day

```
          89
         /  \
      L.Y    N.Y
      22     67
      (44)   (67)
```

2 + 4 = 6 odd days

1989 → 1 + 6 = 7 or 0 odd days

J – 3; F – 0; M – 1

Total 3 + 1 = 4 odd days (Thursday)

8. (d)

2007 (N. Y) = 1 odd day

2008 (L.Y) = 2 odd days

2009 (N.Y) = 1 odd day

2010 (N.Y) = 1 odd day

2011 (N.Y) = 1 odd day

2012 (L.Y) = 2 odd days

2013 (N.Y) = 1 odd day

2014 (N.Y) = 1 odd day

2015 (N.Y) = 1 odd day

2016 (L.Y) = 2 odd days

2017 (N.Y) = 1 odd day

Total 14 odd days means the calendar repeat in 2018.

9. **(d)**
2001 (N.Y) = 1 odd day
2002 (N.Y) = 1 odd day
2003 (N.Y) = 1 odd day
2004 (L.Y) = 2 odd days
2005 (N.Y) = 1 odd day
2006 (N.Y) = 1 odd day
Total 7 odd days means the calendar repeats in 2007.

10. **(a)**
2000 → 0 odd day
J – 3; F – 0; M – 3; A – 2; M – 3; J – 4
Total = 1 odd day (Monday)