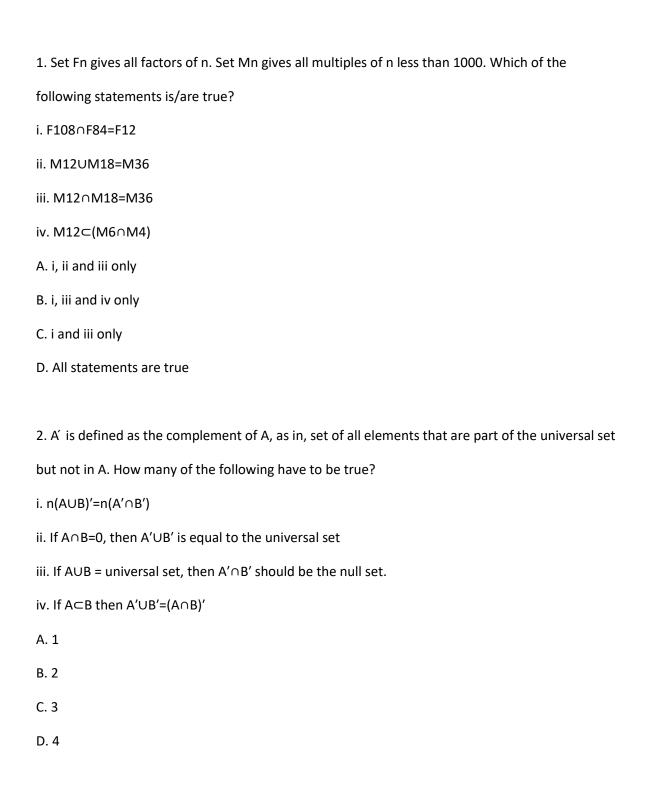
Quantitative Aptitude Practice questions on Set Theory and

Calendars:



3. Of 60 students in a class, anyone who has chosen to study maths elects to do physics as well.
But no one does maths and chemistry, 16 do physics and chemistry. All the students do at least
one of the three subjects and the number of people who do exactly one of the three is more than
the number who do more than one of the three. What are the maximum and minimum number of
people who could have done Chemistry only?
A. 40, 0
B. 28, 0
C. 38, 2
D. 44, 0
4. John was born on Feb 29th of 2012 which happened to be a Wednesday. If he lives to be 101
years old, how many birthdays would he celebrate on a Wednesday?
A. 3
B. 4
C. 5
D. 1
5. How many of the following statements have to be true?
i. No year can have 5 Sundays in the month of May and 5 Thursdays in the month of June.
ii. If Feb 14th of a certain year is a Friday, May 14th of the same year cannot be a Thursday
iii. If a year has 53 Sundays, it can have 5 Mondays in the month of May.
A. 0
B. 1
C. 2
D. 3

6. Set P comprises all multiples of 4 less than 500. Set Q comprises all odd multiples of 7 less
than 500, Set R comprises all multiples of 6 less than 500. How many elements are present
in PUQUR?
A. 202
B. 243
C. 228
D. 186
7. 95% of the students in a class have taken Marketing, 80% have chosen Finance, 84% have
chosen operations (ops), and 90% have chosen Human Resources (HR). What is the maximum
and minimum percentage of people who have chosen all of the four?
A. 80% and 56%
B. 95% and 53%
C. 80% and 49%
D. 80% and 51%
8. Set A comprises all three digit numbers that are multiples of 5, Set B comprises all three–digit
even numbers that are multiples of 3 and Set C comprises all three–digit numbers that are
multiples of 4. How many elements are present in AUBUC?
A. 420
B. 405
C. 555
D. 480

Answer Key –

QA	1	2	3	4	5	6	7	8
ANS	В	D	D	В	В	Α	С	Α