REASONING QUESTION SET - 3
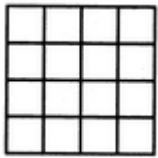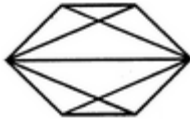
GEORGE SCHOOL OF COMPETITIVE EXAM

Question 1:Count the number of squares in the given figure.
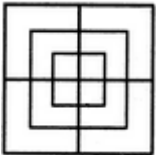
A.   32

B.   30

C.   29

D.   28

Question 2:Find the number of quadrilaterals in the given figure.

A.   6

B.   7

C.   9

D.   11

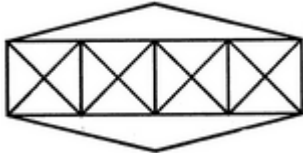**Question 3**:Count the number of squares in the given figure.

A.   8

B.   12

C.   15

D.   18

Question 4:What is the minimum number of colours required to fill the spaces in the given diagram without any two adjacent spaces having the same colour?
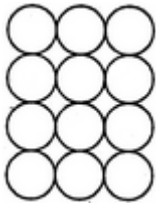
A. 6

B. 5

C. 4

D. 3

Question 5: Count the number of triangles and squares in the given figure.

A. 36 triangles, 7 squares

B. 38 triangles, 9 squares

C. 40 triangles, 7 squares
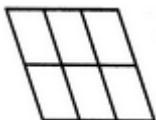
D. 42 triangles, 9 squares

Q 6 :

In the adjoining figure, if the centres of all the circles are joined by horizontal and vertical lines, then find the number of squares that can be formed.

A. 6

B. 7

C. 8

D. 1

Q 7:

Count the number of parallelogram in the given figure.

A.   20

B.   18

C.   16

D.   12

Q 8:

Count the number of triangles and squares in the given figure.
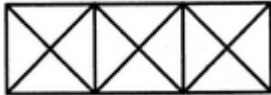
A.   28 triangles, 3 squares

B.   24 triangles, 5 squares

C.   28 triangles, 5 squares

D.   24 triangles, 3 squares

Q 9:

What is the minimum number of different colours required to paint he given figure such that no two adjacent regions have the same colour?
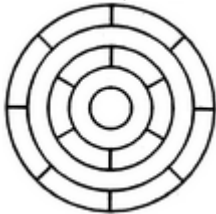

A.   3

B.   4

C.   5

D.   6

Question 10: Count the number of triangles and squares in the given figure.
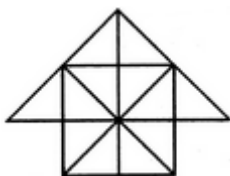
A.   26 triangles, 5 squares

B.   28 triangles, 5 squares

C.   26 triangles, 6 squares

D.   28 triangles, 6 squares

Question 11: Count the number of squares in the given figure.

A.   18

B.   19

C.   25

D.   27

Question 12: What is the minimum number of straight lines that is needed to construct the figure?
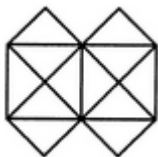
A.   11

B.   13

C.   15

D.   21

Question 13: How many rectangles are there in the given figure.

A.   10

B.   9

C.   8

D.   7

Question 14: Determine the number of rectangles and hexagons in the given figure.
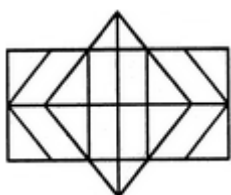
A.   30, 5

B.   32, 3
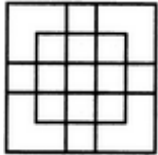
C.   28, 5

D.   30, 3

Question 15: Count the number of triangles and squares in the given figure.
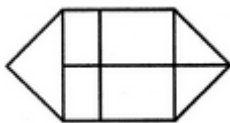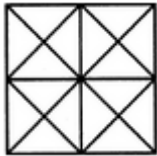

A.   44 triangles, 10 squares

B.   14 triangles, 16 squares

C.   27 triangles, 6 squares

D.   36 triangles, 9 squares

Question 16: How many circles are there in the adjoining figure.
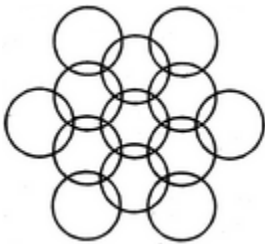
A.   11

B.   12

C.   13

D.   14

Question 17: Count the number of squares in the given figure.
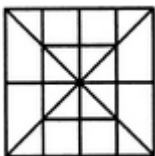
A.   13

B.   16

C.   19

D.   20

DIRECTIONS for questions 18-27: In each of the following number series given, one particular number is wrong. Find out that wrong number in each series.

Question 18:

2 3 10 38 172

A.   172

B.   10

C.   38

D.   2

E.   3

Question 19:

8 19 52 151 447

A.   19

B.   8

C.   52

D.   447

E.   151

Question 20:

4 2 3 7.5 26.75

A.   26.75

B.   7.5

C.   3

D.   2

E.   4

Question 21:

2 3 10 40 172 885 5346

A.   3

B.   885

C.   40

D.   172

E.   10

Question 22:

15 18 20 29 45 70 106

A.   18

B .   20

C.   29

D.   45

E.   70

Question 23:

11 14 20 29 40 56

A.   40

B.   4

C.   10

D.   19

E.   1

Question 24:

49 50 46 55 38 64 28

A.   49

B.   46

C.   55

D.   38

E.   64

Question 25:

6 15 41 179 839

A.   15

B.   6

C.   179

D.   41

E.   839

Question 26:

4 6 12 30 90 312.50 1260

A.   6

B.   90

C.   30

D.   12

E.   312.50

Question 27:

35 19 11 7 5 4.5 3.5

A.   4.5

B.   5

C.   11

D.   19

E.   7

Question 28: In the following series one number is wrong. Find out the wrong number
1, 8, 66, 460, 2758, 13785, 55146

    A. 460

    B. 2758

    C. 66

    D. 8

    E. 55146

Question 29: In the following series one number is wrong. Find out the wrong number
1, 6, 19, 40, 69, 107

    A. 19

    B. 40

    C. 69

    D. 107

    E. 6

Question 30: In the following series one number is wrong. Find out the wrong number
625, 663, 755, 745, 863, 835

    A. 663

    B. 755

    C. 745

    D. 863

    E. 835

Question 31: In the following series one number is wrong. Find out the wrong number
7, 27, 93, 301, 915, 2775, 8361

    A. 93

    B. 301

    C. 915

    D. 2775

      E.   All terms are correct

Question 32: In the following series one number is wrong.
Find out the wrong number
131, 159, 189, 221, 245, 291

      A. 291

      B. 245

      C. 221

      D. 189

      E. 159

Question 33: In the following series one number is wrong.
Find out the wrong number
81, 27, 27, 45, 110, 315

      A. 27

      B. 45

      C. 110

      D. 315

      E. 81

Question 34: In the following series one number is wrong.
Find out the wrong number
40, 56, 124, 264, 520, 920

      A. 56

      B. 40

      C. 124

      D. 264

      E. 920

Question 35: How many days are there in x weeks x days?

A) 7x * x

B) 8x

C) 14x

D) 7

Question 36: 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

Question 37: On what dates of April, 2001 did Wednesday fall?

A) 2nd,9th,16th,23rd

B) 4th,11th,18th,25th

C) 12th,18th,27th,6th

D) 1st,8th,15th,22nd

Question 38: On 8th Dec, 2007 Saturday falls. What day of the week was it on 8th Dec, 2006?

A) Saturday

B) Friday

C) Monday

D) Tuesda

Question 39: 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

Question 40: January 1, 2007 was Monday. What day of the week lies on Jan. 1, 2008?

A) Monday

B) Tuesday

C) Wednesday

D) Sunday

Question 41: Which two months in a year have the same calendar?

A) October, December

B) April, November

C) June, October

D) April, July

Question 42: The maximum gap between two successive leap year is?

A) 4

B) 8

C) 2

D) 1

Question 43: How many weekends in a year?

A) 52

B) 53

C) 103

D) 104

Question 44: 26 january 1950 which day of the week?

A) Monday

B) Wednesday

C) Thursday

D) Tuesday

Question 45: How many leap years does 100 years have?

A) 25

B) 24

C) 4

D) 26

Question 46: How many leap years do 300 years have?

A) 75

B) 74

C) 72

D) 73

Question 47: The calendar for the year 2007 will be the same for the year

A) 2014

B) 2016

C) 2017

D) 2018

Question 48: On what dates of July.2004 did Monday fall?

A) 6th,10th,21st,30th

B) 12th,7th,19th,28th

C) 5th,10th,24th,17th

D) 5th, 12th, 19th, 26th

Question 49: The year next to 2005 will have the same calendar as that of the year 2005?

A) 2016

B) 2022

C) 2011

D) None

Question 50: If today is Saturday, what will be the day 350 days from now ?

A) Saturday

B) Friday

C) Sunday

D) Monday