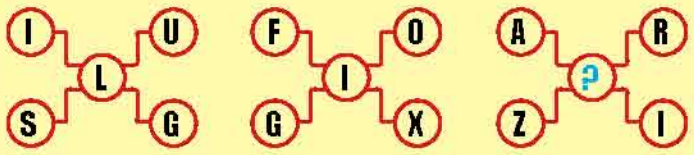
Learning Logic

(1) Which number replaces the question mark?

4 7 15 31 35 19 11 ?

(2) Which letter replaces the question mark?



(3) Which one of the following can't be the square of a natural number?

(a) 30976 (b) 75625 (c) 28561
(d) 143642 (e) none of these

(4) Find the odd man out – 3, 5, 7, 12, 17, 19

(a) 19 (b) 17 (c) 5 (d) 12

(5) Insert the missing number – 3, 7, 6, 5, 9, 3, 12, 1, 15, (__)

(a) 18 (b) 13 (c) -1 (d) 3

Science Teaser

(1) Nucleus of an atom is surrounded by

(a) Electrons
(b) Protons
(c) Atoms
(d) Molecules

(2) Which of the following is not a 'Green House Gas'

(a) Nitrous oxide
(b) Methane
(c) Hydrogen
(d) Carbon dioxide

(3) Pick the correct pair

(a) Lava : gas
(b) Chlorophyll: Pigment
(c) Mercury : Acid
(d) Sulphur : Alkali

(4) Which of the following is used in pencil?

(a) Graphite
(b) Charcoal
(c) Silicon
(d) Phosphorous

WHO'S THIS?

(1) India's 'milkman'

(a) Lal Bahadur Shastri
(b) Tribhuvandas Patel
(c) Dr. Verghese Kurien
(d) Morarji Desai

(2) 'Revolution 2020' was authored by

(a) Arvind Adiga
(b) Chetan Bhagat
(c) R.K. Narayan
(d) Jhumpa Lahiri

English

(1) Pick the correct option to complete the word: Enter____

(a) val
(b) est
(c) tain
(d) rupt

(2) Unscramble the meaning of: Percolate

(a) zooe
(b) pese
(c) kins
(d) ipdr

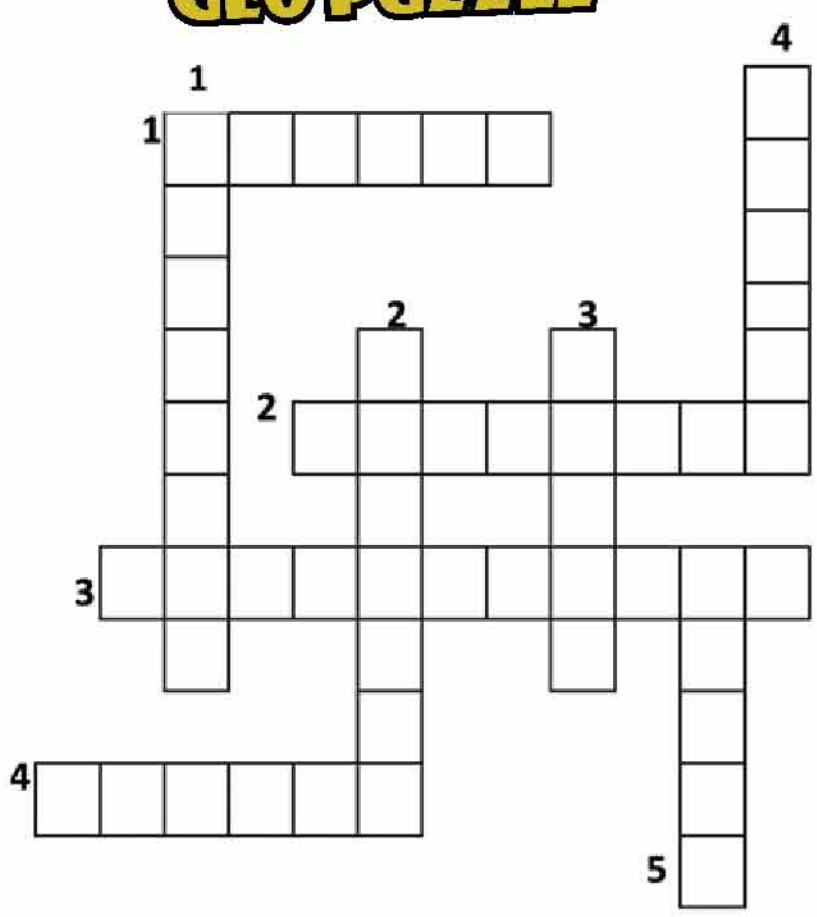
(3) Pick the odd man

(a) sketch
(b) paint
(c) draw
(d) type

(4) Complete the phrase: With ____ colours

(a) Bright
(b) Flowing
(c) Flying
(d) Lovely

GEO PUZZLE



CLUES

Across

1. Most sacred river in India
2. Great River
3. Known as 'Tsangpo' in Tibet or 'Jamuna' in Bangladesh
4. Formerly known as 'Kistna'

Down

1. Home to Pushkar Mela
2. Also known as 'Nerbudda' in Central India
3. Sindhu river
4. Or Cauvery
5. Also known as Tapi river

ANSWERS

Logical learning

(1) 6. Start from extreme left and right hand of row and working towards the centre, add the end digits together and subtract 3 to give the next value along to the left, and add 1 to give the next value along to the right. Repeat this sequence, working towards the centre.
(2) Q. Each diagram starts with the letter in the top left and moves clockwise around the others. Letters advance through the alphabet in steps given by the numerical value of the central letter.
(3) d. the square of a natural number never ends in 2. Therefore 143642 is not the square of natural number.
(4) d. Each of the numbers is a prime number except 12.
(5) C. There are two series, beginning respectively with 3 and 7. In one 3 is added and in another 2 is subtracted. The next number is 1 – 2 = -1.

English

(1) c (2) b (3) d (4) c

Science

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

Who's This?

(1) c (2) b

Geo Puzzle

Across: 1. Ganges 2. Mahanadi 3. Brahmaputra 4. Krishna
Down: 1. Godavari 2. Narmada 3. Indus 4. Kaveri 5. Tapti