LOGICAL REASONING   *(Answers on page 2)*
CODING DECODING – 1

1) PUBLIC : QVCMJD : : SOCIAL : ?
   a) RSVTUJ   b) TPDJBM   c) RPTUJB   d) TPJDBM

2) WATCH : XCWGM : : CLOCK: ?
   a) DMPDL   b) DNPLD   c) DRNGP   d) DNRGP

3) BHEL : DPJX : : UNIT : ?
   a) RBPN   b) QBNR   c) PBRN   d) OBNR

4) ROAD : SRFK : : CITY : ?
   a) DLYF   b) DLFY   c) DLXF   d) DFLY

5) DIVER : EGYAW : : SCUBA : ?
   a) TAXFF   b) TAXXF   c) TAAXF   d) TAXXG

6) UGC is coded as UNI, then what is the code for NET?
   a) NKT   b) NIU   c) NJH   d) NOU

7) If VARIABLE is coded as IRAVELBA, then what is the code for the word CRITICAL?
   a) TIRCLACI   b) LACITIRC   c) TIRCCIAL   d) LACICRIT

8) If LOGIC is coded as OLTRX, then what is the code for SMART?
   a) HZNIG   b) ZNHIG   c) NHZIG   d) HNZIG

9) In a certain code History means Biology, Biology means Economics, Economics means Physics, Physics means Civics, Civics means Chemistry, Chemistry means Politics, Politics means Statistics, Statistics means Geology, Geology means Geography, Geography means Volcano, then which of the following deals with crust of earth and its properties.
   a) Geology   b) Statistics   c) Geography   d) Volcano

10) If FLOWER is coded as LFWORE , then what is the code for VIOLET?
    a) IVLOET   b) IVOLTE   c) IVLOTE   d) IVOLET

11) If WHEAT is coded as AEHTW, then what is the code for FLOUR?
    a) RUOLF   b) FLURO   c) LFROU   d) FLORU

12) PERSONALITY is coded as QISTUPEMOVZ, then what is the code for EXPLORATION?
    a) IYQMUSEVOUP   c) UMQYIVESUPO
    b) UMQYIVOPSUE   d) IYQMUSEPOUV

13) HER is coded as 12, THEY is coded as 20, WOULD is coded as 30, then what is the code for SYNTAX?
    a) 61   b) 57   c) 42   d) 73

14) ABU is coded as 27 and PINKY is coded as 80, then what is the code for SHIVAJ?
    a) 75   b) 23   c) 53   d) 94

15) DESK is coded as 156, BOARD is coded as 200, CAMPUS is coded as 438, then what is the code for TEACHER?
    a) 393   b) 420   c) 286   d) 412

Follow these position values of letters for cracking Coding – Decoding questions:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	etc…..

Answer Key & Explanation:

1) b (TPDJBM)   Pattern for Q 1:

(16)	(21)	(2)	(12)	(9)	(3)
P	U	B	L	I	C
+1	+1	+1	+1	+1	+1
Q	V	C	M	J	D
(21)	(22)	(3)	(13)	(10)	(4)

2) d (DNRGP)   Pattern: (+1 +2 +3 +4 +5)

3) c (PBRN)   Pattern: (x2   x2   x2   x2)

4) a (DLYF)   Pattern: (+1   +3   +5   +7)

5) b (TAXXF)   Pattern: (+1   -2   +3   -4   +5)

6) c (NJH)   Pattern: (x1   x2   x3)

7) a (TIRCLACI) Pattern: (Divide the word into two parts consisting of 4 letters in each part: First set of 4 letters reversed, second set of 4 letters reversed)

8) d (HNZIG)   Pattern: (Complimentary letters, eg: A is the first letter from left and complimentary of A is Z, because Z is the first letter from the end. Complimentary of B is Y, C is X, D is W, E is V, F is U, G is T, H is S, I is R, J is Q, K is P, L is O, so on and so forth)

9) b (Statistics) This case Geology is the answer, but in code language we have to say 'Statistics' in order to mean Geology)

10) c (IVLOTE)   Pattern: (Divide the word into three parts consisting of 2 letters each: first set of 2 letters reversed, second set of 2 letters reversed, third set of 2 letters reversed)

11) d (FLORU)   Pattern: (Alphabetical order of letters in the word)

12) a (IYQMUSEVOUP) (Each consonant is coded as next consonant and each vowel is coded as next vowel)

13) c (42)   Pattern: 3 letter word is 3x4=12 or (3x3+3)=12; 4 letter word 4x5=20 or (4x4+4)=20; 5 letter word (5x5+5)=30; and finally 6 letter word (6x6+6)=42

14) a (75)   Pattern: (1) + (2) + (21) = 24 + 3** = 27   (3** means 3 letters in the word)

                                 A   B   U

15) b (420)   Pattern: (4) + (5) + (19) + (11) = 39 x 4** = 156 (4** means 4 letters in word)

                                 D   E   S   K