CODING-DECODING

CLASS ROOM OBJECTIVE

A CODE is a system of signals. Therefore, **coding** is a method of transmitting a message between the sender and the receiver without a third person knowing it.

The Coding and Decoding test is set up to judge the candidate's ability to decipher the rule that codes a particular word/massage and break the code to decipher the message.

Type 1: LETTER CODING

In these questions, the letter in a word are replaced by certain other letters according to a specific rule to form its code. The candidate is required to detect the coding pattern/rule and answer the questions accordingly.

Case I: To form the code for another word (CODING).

Ex.1. In a certain code, TEACHER is written as VGCEJGT. How is CHILDREN written in that code?

    (a) EJKNEGTP   (b) EGKNFITP   (c) VGCEJGT   (d) **EJKNFTGP**

EX.2   In a certain code language, RUSTICATE is written as QTTUIDBSD. How would STATISTIC be written in that code?

    (a) RSBUJTUHB   (b) **RSBUITUBH**   (c) RSBUIRSJD   (d) TUBUITUMB

EX.3. If ROAST is coded as PQYUR in a certain language, then how will SLOPPY be coded in that language?

    (a) MRNAQN   (b) NRMNQA   (c) **QNMRNA**   (d) RANNMQ

EXERCISE-4A

1. If in a certain code, LUTE is written as MUTE and FATE is written as GATE, then how will BLUE be written in that code?

    (a) CLUE   (b) GLUE   (c) FLUE   (d) SLUE

2. If in a certain code, MADRAS is written as NBESBT, then how will BOMBAY be written in that code?

    (a) CPNCBX   (b) CPNCBZ   (c) CPOCBZ   (d) CQOCBZ

3. If in a certain code, TWINKLE is written as SVHOJKD, then how will FILTERS be written in that code?

    (a) EHKSDQR   (b) EHKUDQR   (c) EGKUDQR   (d) GJMSFST

4. If in a certain code, ROAD is written as URDG, then how will SWAN be written in that code?

    (a) VXDQ   (b) VZDQ   (c) VZCP   (d) UXDQ

5. If in a certain code, COMPUTRONE is written as PMOCTUENOR, then how will ADVANTAGES be written in that code?

    (a) SEGATNAVAD   (b) AVDATNSEGA   (c) AVDATASEGN   (d) NAVDASEGAT

6. If in a certain code, STRONG is written as ROTNSG, then how will NAGPUR be written in that code?

    (a) GPAUNR   (b) VGUARN   (c) PGAURN   (d) GPUANR

7. If in a certain code, PLEADING is written as FMHCQMFB, then how will SHOULDER be written in that code?

| (a) KCDQTIPV | (b) QDCKVPIT | (c) QDCKTIPV | (d) TIPVQDCK |

8. If in a certain code, HAND is written as SZMW, then how will MILK be written in that code?
   (a) ORNP   (b) PNRO   (c) NROP   (d) RNOP

9. If in a certain code, FLOWER is written as UOLDVI, then how will TERMINAL be written in that code?
   (a) FLKPMROZ   (b) GVINRMZO   (c) RVNIGLKA   (d) MNIVGYEO

10. In a certain code language, the letters of the English alphabets are arranged in such a manner that all the vowels are put in the end and remaining letters are arranged from the first letter onwards. The rearrange alphabet are used to denote the position occupied by letters in the original alphabets. What is the code of MEGA.
    (a) TEAM   (b) PWLV   (c) LWPV   (d) QGYB

Case II: To find the word by analysing the given code (DECODING).
EX.1. In a certain code, the word ROAD is coded as WTFI. Following the same rule of coding, what should be the word for the code GJFY?
    (a) REAP   (b) TAKE   (c) **BEAT**   (d) LATE

EX.2. If NARGRUED is the code for GRANDEUR, which word is coded as SERPEVRE?
    (a) PERSEVER   (b) PRESEVER   (c) PERSERVE   (d) **PRESERVE**

EXERCISE-4B

1. In a certain language, POPULAR is coded as QPQVMBS, which word would be coded as GBNPVT?
   (a) FARMER   (b) FAMOUS   (c) FRAMES   (d) FARMES

2. In a certain language, LBAEHC is coded for BLEACH, which word would be coded as NBOLZKMH?
   (a) OBNKZLHM   (b) LOBNHMKZ   (c) OCPMALNI   (d) BNLOKZHM

3. In a certain code, DECEMBER is written as ERMBCEDE. Which word will be written as ERMBVENO in that code?
   (a) AUGUST   (b) SEPTEMBER   (c) OCTOBER   (d) NOVEMBER

4. In a certain code, SWITCH is written as TVJSDG. Which word will be written as CQFZE in that code?
   (a) BARED   (b) BRAED   (c) BREAD   (d) BRADE

5. In a certain code language, REFRIGERATOR is coded as ROTAREGIRFER. Which word would be coded as NOITINUMMA?
   (a) ANMOMIUTNI   (b) AMNTOMUIIN   (c) AMMUNITION   (d) NMMUNITIOA

6. In a certain language, ITNIETAM is coded for INTIMATE, which word would be coded as TREVNIETARBI?
   (a) INVRETIBRATE   (b) INVERTIBRATE   (c) INVERTIBRETA   (d) INVERTIBARTE

7. In a certain language, QKKQUGQL is coded for OMISSION, which word would be coded as RYVIWZB?
   (a) PATKUBZ   (b) BZWIVYR   (c) BZWVIYR   (d) PTAKBZU

8. In a certain language, QOSCFLBJO is coded for PORCELAIN, which word would be coded as BKMOUSPP?
   (a) ALTOLROPY   (b) ALLOTROPY   (c) ALOTROLPY   (d) ATLOROPLY

9. In a certain code language, ALMIRAH is coded as BNPMWGO. Which word would be coded as DNRWLUA?
   (a) COSGOLT   (b) TOGSOLC   (c) TOGCLOS   (d) CLOSGOT

10. In a certain code language, MACHINE is coded as LBBIHOD. Which word would be coded as SLTMFNB?
    (a) RKSLEMA   (b) TKULGMC   (c) RMSNEOA   (d) TMUNGOC

Type 2: DIRECT LETTER CODING

      In a questions on direct-coding, either the particular codes of letters are given or the codes of two or more words are given and one is asked to find the codes of given words involving only those letters for which the codes have already been mentioned.

Ex.1. If in a certain code, O is written as E, A as C, M as I, S as O, N as P, E as M, I as A, P as N and C as S, then how will COMPANIES be written in that code?
     (a) SMINCPAMO   (b) SEIACPAMO   (c) SEINCPAMO   (d) SEINCPMIO

Ex.2. If in a code language, PARENT is written as BDFGJK and CHILDREN is written as MOXQUFGJ, how is REPRINT written in that code?
     (a) FGBFXJK   (b) FGBUXJK   (c) FGBFXGD   (d) BGBFXJK

Ex.3. If in a code language, EARTH is written as FQPMZS, how is HEART be written in that code?
     (a) SQPZM   (b) SQMPZ   (c) SPQZM   (d) SQPMZ

EXERCISE-4C

1. In a coding system, PEN is written as NZO and BARK as ZCTSL. How can we write PRANK in that coding system?
   (a) CSTZN   (b) NSTOL   (c) NTSLO   (d) NZTOL

2. In a coding system, SHEEP is written as GAXXR and BLEAT as HPXTN. How can we write SLATE in that coding system?
   (a) GPTNX   (b) GPTXN   (c) GPXNT   (d) PTGXN

3. In a coding system, CENTRAL is written as ABCDEFG and PLANETARIUM as HGFCBDFEIJK. How can we write LANTERN in that coding system?
   (a) GFCDFEG   (b) GFCDEFG   (c) GFCDBEC   (d) GFCDBEB

4. In a coding system, TUTORIAL is written as DODNGLCF and DANCE as YCJMZ. How can we write EDUCATION in that coding system?
   (a) ZYMODCLNJ   (b) ZYOMCDLNJ   (c) ZYOMDCLNJ   (d) ZYOTNLCMD

5. In a coding system, MINERAL is written as QRSTUVW and SOUND as ABCSD. How can we write READER in that coding system?
   (a) SBFEFS   (b) UTVDTU   (c) TUDVUT   (d) QDZCDQ

6. In a coding system, STARK is written as LBFMG and MOBILE as TNRSPJ. How can we write BLAME in that coding system?
   (a) TSFRJ   (b) RPFTJ   (c) NJFTP   (d) TSFGJ

7. In a coding system, CONCEPT is written as UNMULQR and FRIEND as YSGLMT. How can we write PREDICT in that coding system?
   (a) CSTZN   (b) NSTOL   (c) NTSLO   (d) NZTOL

8. In a coding system, ORGANISATION is written as CBDWLQJWYQCL and OPERATION as CXFBWYQCL. How can we write SEPARATION in that coding system?
   (a) EJXEBEYQCL   (b) JFQYWBCXQL   (c) JFXWBWYQCL   (d) QCLYWBFXJE

9. In a coding system, PORTER is written as MBNZQN. How can we write REPORT in that coding system?
   (a) NQMNBZ   (b) NQMBNZ   (c) NBQMNZ   (d) NQBMNZ

10. In a coding system, STOVE is written as FNBLK. How can we write VOTES in that coding system?
    (a) FLKBN   (b) LBNKF   (c) LKNBF   (d) LNBKF

Type 3: NUMBER/SYMBOL CODING

Letters and numbers are corrected to each other in no other way except in relation to the position of the letters in the English alphabet. So, either this relation holds or the coding has to be done as per a set of given rules. In all other cases, the question is one of the direct-coding.

Case-1. When numerical/ symbol codes are assigned to words.

Ex.1. If E = 5, PEN = 35, then PAGE = ?
   (a) 27   (b) 28   (c) **29**   (d) 36

Ex.2. If RED is coded as 6720, then how would GREEN be coded?
   (a) 1677199   (b) **1677209**   (c) 16717209   (d) 9207716

Ex.3. **study the following letters and their corresponding digit codes followed by certain conditions of coding and a Answer the questions given bellow them by finding out which of the digit combinations given in (a), (b), (c) and (d) is the coded form of the letter groups given in each question and mark your answer accordingly.**

Letters	P	N	A	J	I	R	E	B	U	K
Digits Code	5	3	9	1	4	6	2	7	0	8

Condition: (1) If both the first and the last letters in the group are vowels, both should be coded as **$.**

    (2) If both the first and the last letters in the group are consonants, both should be coded as **#.**

1. RBUKAE
   (a) #70892   (b) **670892**   (c) 670982   (d) 607892
2. KUNAJB
   (a) 803917   (b) 0391 (c) **#0391#**   (d) #0391$
3. EBNAPI
   (a) 273954   (b) **7395**   (c) #7395#   (d) $7395#

Ex.4. In a certain code, RAIN is written as 8$%6 and MORE is written as 7#8@. How is REMAIN written in that code?
   (a) #@7$%6   (b) #@&$%6   (c) 7@#$%6   (d) **8@7$%6**

Ex.5. If in a certain language, CHARCOLE is coded as 45164913 and MORALE is coded as 296137, how is the word ALLOCHRE coded in that language?
   (a) 13396875   (b) 16693985   (c) **13394567**   (d) 19943785

EXERCISE-4D

1. If REQUEST is written as S2R52TU, then how will ACID be written?
    (a) 1394   (b) IC94   (c) BDJE   (d) B3J4

2. If each of the letters in the English alphabet is assigned odd numerical value beginning A= 1, B = 3 and so on, what will be the total value of the letters of the word INDIAN?
    (a) 86   (b) 88   (c) 89   (d) 96

3. IF A = 26, SUN = 27, then CAT =?
    (a) 24   (b) 24   (c) 57   (d) 58

4. If in a certain code language, BAT= 23 and CAT = 24, then how will you code BALL?
    (a) 27   (b) 28   (c) 32   (d) 120

5. If GO = 32, SHE = 49, then SOME will be equal to
    (a) 56   (b) 58   (c) 62   (d) 64

6. If AT = 20, BAT = 40 then CAT will be equal to
    (a) 30   (b) 50   (c) 60   (d) 70

7. In a certain code language, STRING is written as %=*--$÷ and PRAISE as ?*@--%×. How will the word GRAPES be written in that language?
    (a) ÷*@×?5   (b) ÷@*?×%   (c) ÷*--?×%   (d) none

8. In a certain code language, DESK is written as #$52 and RIDE as %7#$. How will the word RISK be written in that language?
    (a) %725   (b) % 752   (c) %7#2   (d) %7$#

9. If DRIVER = 12, PEDESTRIAN = 20, ACCIDENT = 16, then CAR = ?
    (a) 3   (b) 6   (c) 8   (d) 10

10. **Direction (Questions 1 to 4) : The letter-group in each of these questions is to be codified as per the following number codes:**

Letters	L	T	P	M	R	D	H	F	K	V
Number Code	3	0	4	9	2	1	5	5	7	6	8

    You have to find out which of the alternatives (a), (b), (c) or (d) has the correct coded form of the given Letter-group.

    1. DHFMTRV
        (a) 1579082   (b) 1579028   (c) 1570982   (d) none
    2. KHVLRDP
        (a) 6853214   (b) 6853124   (c) 6583214   (d) 6538214
    3. MDFHLTR
        (a) 9175320   (b) 9175230   (c) 9137502   (d) 9135702
    4. PRFLKHV
        (a) 4273658   (b) 4273685   (c) 4237865   (d) 4237658

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Case-2. When alphabetical codes are assigned to numbers.

This type of questions are those of direct-coding only.

Ex.1. **In each of the questions below, a group of numbers is given followed by four groups of symbol/letter combinations labelled (a), (b), (c) and (d). Numerals are to be coded as per the codes and conditions given bellow. You have to find out which of the combinations (a), (b), (c) and (d) is correct and indicate your answer accordingly.**

Numerals	3	5	7	4	2	6	8	1	0	9
LETTER/SYMBOL CODE	*	B	E	A	@	F	K	%	R	M

Following the conditions apply:

(i)   If the first digit as well as the last digit is odd, both are to be coded as 'X'.

(ii)   If the first digit as well as the last digit is even, both are to be coded as '$'.

(iii)   If the last digit is zero, it is to be coded as '#'.

1. 546839
    (a) XAFK*M   (b) BAFK*M   (c) XAFK*X   (d) BAFK*X
2. 713540
    (a) E%*BA#   (b) X%*BA#   (c) X%*BAR   (d) NONE
3. 765082
    (a) XFBRK@   (b) EFB#K@   (c) EFBR#K   (d) EFBRK@
4. 487692
    (a) AKEFM@   (b) $KEFM@   (c) AKEFM$ (d) $KEFM$
5. 364819
    (a) XFAK@M   (b) *FAK%X   (c) *FAK%M   (d) NONE

EXERCISE-4E

1. **Direction (Question 1 to 5): The number-group in each question below is to be codified according to the following letter codes:**

Number	5	1	3	0	2	4	8	7	6	9
LETTER CODE	X	L	M	P	D	B	E	F	K	J

1. 173846
    (a) LFMEKB   (b) LMFEBK   (c) LFMEBK   (d) LFEMBK
2. 862941
    (a) EDKJBL   (b) EKDJLB   (c) EKJDBL   (d) EKDJBL
3. 430675
    (a) BMKPFX   (b) BMPKFX   (c) BMPKXF   (d) BMPFKX
4. 790853
    (a) FJPEXM   (b) FPJEXM   (c) FJPEMX   (d) FPJEMX
5. 901273
    (a) JPLDFM   (b) JPDLFM   (c) JLPDFM   (d) JPLDMF

2. Direction (Question 1 to 5): The number-group in each question below is to be codified according to the following letter codes:

Digits	9	3	2	8	1	5	7	6	4	0
LETTER code	M	E	B	N	K	R	H	T	D	J

Conditions: (i) If the first digit is an odd number & the last digit is an even number, both are to be coded as X

(ii) If the first digit is an even number & the last digit is an odd number, both are to be coded as Y

(iii) if either the first or last digit is '0', then 0 is to be coded as 'W'.

6. 328469
   (a) YBNDTM   (b) XBNDTX   (c) EBNTDM   (d) None

7. 631420
   (a) TEKDWB   (b) TEKDBW   (c) TEKDBJ   (d) TKDEBW

8. 640598
   (a) TDJRMN   (b) TDWRMN   (c) XDJRMN   (d) TDJRMY

9. 893561
   (a) XMERTY   (b) NMERTK   (c) XMERTX   (d) YMERTY

10. 743506
   (a) XDERWT   (b) HDERWT   (c) XDERJX   (d) YDERJY

3. Direction (Question 1 to 5): The number-group in each question below is to be codified according to the following letter codes:

Digit	3	8	0	7	4	6	9	2	5	1
Code	H	$	R	A	M	%	L	K	E	¥

Exception I: If a number begins and ends with a non-zero odd digits, then the first and the last digits are to be Coded as Y and # respectively.

Exception II: If a number begins and ends with an even digit (including zero), then the first and the last digits Are to be Coded as α and X respectively.

11. What will be the code for 764981?
   (a) A%ML$¥   (b) Y%ML$¥   (c) Y%ML$#   (d) A%ML$#

12. What does MHLEK% represent?
   (a) 439526   (b) 439520   (c) 436529   (d) 489526

13. What will be the code for 278140?
   (a) αA$¥MR   (b) αA$¥MX   (c) KA$¥MR   (d) YA$¥M#

14. What will be the code for 173548?
   (a) ¥AHEK$ (b) ¥AREM$ (c) ¥AHEM$ (d) ¥AHME$

15. What does R%LAK¥ represent?
   (a) 069725   (b) 697210   (c) 069751   (d) None

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Type 4: MATRIX CODING

EXERCISE-4F

Direction (Question 1 to 4) : In each of the following questions, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of the numbers given in the alternatives are represented by two classes of alphabets as in the two given matrices. The columns and rows of matrix I are numbered 0 to 4 and those of Matrix II from 5 to 9. A letter from these matrices can be represented first by its row and then the column number e.g., in the matrices for questions 1 to 4, M can be represented by 14, 21, etc.; o can be represented by 20, 32, etc. similarly you have to identify the correct set for the word given in each question.

Matrix-1

	0	1	2	3	4
0	A	E	S	T	H
1	T	H	A	E	S
2	E	S	T	H	A
3	H	A	E	S	T
4	S	T	H	A	E

Matrix-2

	5	6	7	8	9
5	A	T	D	I	P
6	I	P	A	T	D
7	T	D	I	P	A
8	P	A	T	D	I
9	D	I	P	A	T

1. MOST
   (a) 40, 44, 22, 89   (b) 33, 20, 11, 79   (c) 21, 00, 03, 88   (d) 02, 13, 34, 56
2. ROAD
   (a) 42, 32, 79, 58   (b) 23, 32, 98, 99   (c) 11, 13, 67, 69   (d) 04, 20, 55, 78
3. STOP
   (a) 10, 56, 44, 97   (b) 41, 68, 01, 77   (c) 22, 75, 32, 86   (d) 33, 99, 42, 59
4. FOAM
   (a) 24, 01, 55, 22   (b) 00, 01, 67, 33   (c) 12, 13, 67, 23   (d) 43, 52, 56, 33

Questions (5 to 9):

Matrix-1

	0	1	2	3	4
0	F	O	M	S	R
1	S	R	F	O	M
2	O	M	S	R	F
3	R	F	O	M	S
4	M	S	R	F	O

Matrix-2

	5	6	7	8	9
5	P	O	R	K	L
6	K	L	P	O	R
7	O	R	K	L	P
8	L	P	O	R	K
9	R	K	L	P	O

5. EAST
   (a) 44, 32, 21, 03   (b) 32, 31, 02, 04   (c) 20, 43, 33, 11   (d) 13, 12, 14, 10
6. ROSE
   (a) 95, 75, 02, 32   (b) 88, 76, 31, 32   (c) 86, 67, 33, 44   (d) 57, 87, 32, 33
7. SOLE
   (a) 41, 57, 87, 31   (b) 33, 99, 66, 44   (c) 21, 75, 44, 02   (d) 02, 78, 87, 13
8. LAKE
   (a) 97, 00, 77, 12   (b) 66, 12, 58, 40   (c) 85, 31, 77, 44   (d) 77, 43, 76, 31
9. LEST
   (a) 97, 32, 21, 34   (b) 87, 32, 21, 31   (c) 85, 02, 04, 22   (d) 66, 00, 20, 34

Questions (10 to 14):

Matrix-1							Matrix-2					
	0	**1**	**2**	**3**	**4**			**5**	**6**	**7**	**8**	**9**
0	F	A	N	O	I		**5**	S	E	H	B	T
1	I	O	F	A	N		**6**	H	S	E	T	B
2	A	N	O	I	F		**7**	B	T	S	E	H
3	O	F	I	N	A		**8**	E	H	T	B	S
4	N	I	A	F	O		**9**	T	S	E	H	B

10. NEST
(a) 02, 56, 55, 59   (b) 14, 67, 66, 67   (c) 21, 76, 77, 76   (d) 33, 85, 88, 86

11. FAITH
(a) 43, 42, 41, 78, 89   (b) 31, 34, 23, 76, 79   (c) 24, 31, 10, 59, 57   (d) 12, 20, 40, 68, 79

12. FINE
(a) 31, 32, 33, 82   (b) 24, 19, 21, 78   (c) 12, 10, 13, 67   (d) 00, 04, 02, 56

13. HEAT
(a) 79, 53, 20, 87   (b) 65, 56, 13, 57   (c) 57, 56, 01, 59   (d) 29, 85, 34, 93

14. BOTH
(a) 88, 30, 85, 86   (b) 75, 22, 76, 79   (c) 69, 67, 68, 59   (d) 58, 02, 68, 65

Type 5: SUBSTITUTION

   In this type of questions, some particular words are assigned certain substituted names. Then a question is asked that is to be answered in the substitution code language.

Ex.1. If 'cook' is called ' butler', 'butler' is called 'manager', manager' is called 'teacher', teacher' is called 'clerk' and clerk' is called 'principle', who will teach in a class?
   (a) Cook   (b) Butler   (c) manager   (d) **Clerk**

Ex.2. If 'diamond' is called ' gold', 'gold' is called 'silver', silver' is called 'ruby', ruby' is called 'emerald' which is the cheapest jewel?
   (a) Diamond   (b) **Silver**   (c) Gold   (d) Ruby

Ex.3. If 'eye' is called ' hand', 'hand' is called 'mouth', mouth' is called 'ear', ear' is called 'nose' and nose is Called 'tongue', with which of the following would a person hear?
   (a) Eye   (b) Mouth   (c) **Nose**   (d) Ear

EXERCISE-4G

1. If 'white' is called ' blue', 'blue' is called 'red', red' is called 'yellow', yellow' is called 'green', green' is called 'black', black is called 'violet' and violet' is called 'orange' what would be the colour of human blood?
    (a) Red   (b) Green   (c) Yellow   (d) Violet

2. If 'oranges' is called ' apple', 'apple' is called 'chillies', chillies' is called 'bananas', bananas' is called 'apricots' and apricots' is called 'oranges', then which of the following are green in colour?
    (a) Apricots   (b) Apple   (c) Chilies   (d) Bananas

3. If 'pen' is 'table', 'table' is 'fan', 'fan' is 'chair' and 'chair' is 'roof', on which of the following will a person sit?
    (a) Fan   (b) Chair   (c) Roof   (d) Table

4. If 'bat' is 'racket', racket' is 'football', football' is 'shuttle', 'shuttle' is 'ludo' and 'ludo' is 'carom', what is cricket played with?
   (a) Racket   (b) Football   (c) Bat   (d) Shuttle

5. If 'room' is called ' bed', 'bed' is called 'window', window' is called 'flower', flower' is called 'cooler', on What would a man sleep?
   (a) Window   (b) Bed   (c) Flower   (d) Cooler

6. If 'book' is called ' watch', 'watch' is called 'bag', bag' is called 'dictionary', dictionary' is called 'window', Which is used to carry the books?
   (a) Dictionary   (b) Bag   (c) Book   (d) Watch

7. If 'orange' is called ' butter', 'butter' is called 'soap', soap' is called 'ink', ink' is called 'honey', 'honey is orange' Which of the following is used for washing clothes?
   (a) Honey   (b) Butter   (c) Orange   (d) Ink

8. If 'sand' is called ' air', 'air' is called 'plateau', plateau' is called 'well', well' is called 'island', 'island is sky' then from where will a women draw water?
   (a) Well   (b) Island   (c) Sky   (d) Air

9. If in a language, 'finger' is called ' toe', 'toe' is called 'foot', foot' is called 'thumb', thumb' is called 'ankle', ankle' is called 'palm', palm is called 'knee' then what will an illiterate man put to mark his signature?
   (a) Toe   (b) Knee   (c) Thumb   (d) Ankle

10. If 'clock' is called 'television', 'television' is called 'radio', radio' is called 'oven', oven' is called 'grinder', 'grinder is called iron' then what will a lady bake?
    (a) Radio   (b) Oven   (c) Grinder   (d) Iron

Type 6: DECIPHERING MESSAGE WORD CODES

In this type of questions, some message is given in the coded language and the code for a particular word or message is asked. To analyse such codes, any two messages bearing a common word are picked up. The common code-word will thus represent that word. Proceeding similarly by picking up all possible combination of two, the entire message can be decoded and the codes for individual words found.

Ex.1. In a certain language, 'sun shines brightly' is written as ' ba lo sul', 'houses are brightly lit' as ' kada ula ari ba' and ' light comes from sun' as ' dopi kup lo nro'. What code-words are written for 'sun' and 'brightly'?
   (a) Ba, sul   (b) sul, lo   (c) **lo, ba**   (d) ba, lo

Ex.2. If in a certain language, 'oka peru' means 'fine cloth' , meta lisa' means 'clear water' and 'dona lisa peru' means 'fine clear weather', which word in that language means 'weather'?
   (a) peru   (b) oka   (c) meta   (d) **dona**

Ex.3. **Read the information given bellow to answer the questions that follow:**
   In a certain code language,
   (i)   'pit na sa' means ' you are welcome'
   (ii)   'na ho pa la' means 'they are very good'
   (iii)   'ka da la' means 'who is good'
   (iv)   'od ho pit la' means 'they welcome good people'.
   1. Which of the following means 'people' in that code language?
      (a) **Od**   (b) la   (c) ho   (d) pit
   2. Which of the following means 'very' in that code language?
      (a) **pa**   (b) na   (c) da   (d) none of these
   3. Which of the following statement(s) is/are redundant to answer the above two questions?
      (a) (i) and (ii)   (b) (ii) and (iii)   (c) (i) and (iv)   (d) **none of these**

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EXERCISE-4H

1. . If in a certain language, 'col tip mot' means 'singing is appreciable' , mot baj min' means 'dancing is good' and 'tip nop baj' means 'singing and dancing', which word in that language means 'good'?
   (a) not   (b) min   (c) baj   (d) none of these

2. If in a certain language, 'mint yang pe' means 'fruits are ripe' , pe lao may mink' means 'oranges are not ripe' and 'may pe nue mink' means 'mangoes are not ripe', which word in that language means 'mangoes'?
   (a) may   (b) pe   (c) nue   (d) mink

3. If in a certain language, 'tom kun sud' means 'dogs are barking' , kun jo mop' means 'dogs and horses' and 'mut tom ko' means 'donkeys are mad', which word in that language means 'barking'?
   (a) sud   (b) kun   (c) jo   (d) tom

4. If in a certain language, 'dom pul ta' means 'bring hot food' , pul tir sop' means 'food is good' and 'tak da sop' means 'good bright boy', which word in that language means 'hot'?
   (b) dom   (b) pul   (c) none   (d) cannot be determined

Directions (Questions 4 to 6) : In a certain code language,
- (A) 'pit dar na' means 'you are good'
- (B) 'dar tok pa' means 'good and bad'
- (C) 'tim na tok' means 'they are bad'

5. In a code language, which word stands for 'they'?
   (a) na   (b) tok   (c) tim   (d) pit

6. To find the answer to the above question, which of the given statements can be dispensed with?
   (a) Only A   (b) only B   (c) A or B   (d) none of these

Directions (Questions 7 to 9) : In a certain code language, 'il be pee' means 'roses are blue', 'sik hee' means 'red flowers' and 'pee mit hee' means 'flowers are vegetables'.

7. How is 'red' written in that code?
   (a) hee   (b) sik   (c) be   (d) cannot be determined

8. How is 'roses' written in that code?
   (a) il   (b) pee   (c) be   (d) cannot be determined

9. How is 'vegetables are flowers' written in that code?
   (a) Pee sik mit hee   (b) sik pee hee be   (c) none   (d) cannot be determined

10. If in a certain language, 'put tir fin' means 'delicious juicy fruit' , tie dip sig' means 'beautiful white lily' and 'sig lon fin' means 'lily and fruit', which word in that language means 'and'?
    (a) lon   (b) sig   (c) fin   (d) none of these

Type 7: DECIPHERING NUMBER AND SYMBOL CODES FOR MESSAGE

In these type of questions, a few groups of numbers/symbols, each coding a certain message, are given. Through a comparison of the given coded message, taking two at a time, the candidates is required to find the number/symbol code for each word then formulate the code for the given message.

Ex.1. In a certain code language, '123' means 'bright little boy', '145' means 'tall big boy' and '637' means 'beautiful little flower'. Which digit in that language means 'bright'?
   (a) 1   (b) **2**   (c) 3   (d) 4

Ex.2. In a certain code language, 'go for morning walk' is written as '$*?#', 'good for health' is written as '¥?@' and 'good to walk fast' is written as '+@©#', then what is the code for 'health' in that language?
   (a) +   (b) #   (c) ¥   (d) ?

Ex.3. In a certain code language, '617' means 'sweet and hot', '735' means 'coffee is sweet' and '263' means 'tea is hot'. Which digit in that language means 'coffee is hot'?
   (a) 731　　　　　　　　　　(b) **536**　　　　　　　(c) 367　　　　　　　(d) 753

EXERCISE-4I

1. In a certain code language, 'pen pencil' is written as '$£', 'eraser sharpener' is written as '@#' and 'pencil eraser' is written as '$@'. Then, what is the code for 'pen'?
   (a) #　　　　　　　　　　(b) $　　　　　　　(c) @　　　　　　　(d) £

2. In a certain code language, '786' means 'study very hard', '958' means 'hard work pays' and '645' means 'study and work'. Which digit in that language means 'very'?
   (a) 8　　　　　　　　　　(b) 6　　　　　　　(c) 7　　　　　　　(d) none of these

3. In a certain code language, '123' means 'hot filtered coffee', '356' means 'very hot day' and '589' means 'day and night'. Which digit in that language means 'very'?
   (a) 9　　　　　　　　　　(b) 5　　　　　　　(c) 8　　　　　　　(d) 6

Directions (Questions 4 to 9): Read the information given bellow to answer the questions that follow:
In a certain code language, '481' means ' sky is blue', '246' means 'sea is deep' and '698' means 'sea looks blue'.

4. What is the number in the code for 'deep'?
   (a) 1　　　　　　　　　　(b) 2　　　　　　　(c) 4　　　　　　　(d) 6
5. What is the number in the code for 'blue'?
   (a) 1　　　　　　　　　　(b) 6　　　　　　　(c) 8　　　　　　　(d) 9
6. What is the number in the code for 'sea'?
   (a) 2　　　　　　　　　　(b) 6　　　　　　　(c) 8　　　　　　　(d) 4
7. What is the number in the code for 'looks'?
   (a) 4　　　　　　　　　　(b) 6　　　　　　　(c) 8　　　　　　　(d) 9
8. What is the number in the code for 'is'?
   (a) 1　　　　　　　　　　(b) 2　　　　　　　(c) 8　　　　　　　(d) 4
9. What is the number in the code for 'sky'?
   (a) 1　　　　　　　　　　(b) 4　　　　　　　(c) 8　　　　　　　(d) none of these

Directions (Questions 10 to 13): Read the information given bellow to answer the questions that follow:
In a certain code language, '816321' means 'the brown dog frightened the cat'
　　　　　　　　　　'64851' means 'the frightened cat ran away'
　　　　　　　　　　'7621' means 'the cat was brown'
　　　　　　　　　　'341' means 'the dog ran'

10. What is the code for 'the dog was frightened'?
   (a) 5438　　　　　　　　　(b) 8263　　　　　　　(c) 8731　　　　　　(d) none of these
11. What is the code for 'frightened'?
   (a) 2　　　　　　　　　　(b) 3　　　　　　　(c) 6　　　　　　　(d) none of these
12. What is the code for 'away'?
   (a) 1　　　　　　　　　　(b) 5　　　　　　　(c) 6　　　　　　　(d) 7
13. What is the code for 'brown'?
   (a) 2　　　　　　　　　　(b) 4　　　　　　　(c) 6　　　　　　　(d) 8

14. In a certain code language, '134' is written as 'good and tasty', '478' is written as 'see good pictures' and '729' is written as 'pictures are faint'. Then, what is the code for 'see'?
   (a) 9　　　　　　　　　　(b) 2　　　　　　　(c) 1　　　　　　　(d) 8

15. In a certain code language, '3a, 2b, 7c' is written as 'truth is eternal', '7c, 9a, 8b, 3a' is written as 'enmity is not eternal' and '9a, 4d, 2b, 8b' is written as 'truth does not perish'. Then, what is the code for 'enmity'?
   (a) 3a　　　　　　　　　　(b) 7c　　　　　　　(c) 8b　　　　　　　(d) 9a

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