# CODING DECODING

#### TYPE -1

LETTER - CODING - In this type of question the letter in a word is replaced by certain other letter according to a specific rule to from its code.

- To from the code from another (a) word
- **Ex.** In a certain code TEACHER is written as VGCEJGT. How is CHILDREN written in that code.

Е А С Η Ε R +2 +2 +2 +2 +2 G С Е G D +2K Ν

- (b) Find the word by analysing the given code.
- **Ex.** If NARGRUED is the code for GRANDEUR which word is coded as SERPEVRE ? - --

Ġ	R	А	IN	D	E	U	R	
1	2	3	4	5	6	7	8	
4	3	2	1	8	7	6	5	
Ν	А	R	G	R	U	Е	D	
S	Е	R	Ρ	Е	V	R	Е	
1	2	3	4	5	6	7	8	
4	3	2	1	8	7	6	5	
Р	R	Е	S	Е	R	V	Е	

## **TYPE -2**

In this type questions some particular words are assigned certain substituted names.

- 1 If the animals which can walk are called 'swimmers', animals who crawl are called 'flying', those living in water are called 'snakes' and those which fly in the sky are called 'hunters', then what will a lizard be called ?
  - (a) Swimmers
  - (b) Snakes

(c) Flying

(d) Hunters

2. If 'air' is called 'green', 'green' is called 'blue', 'blue' is called 'sky', 'sky' is called 'vellow', 'vellow' is called 'water' and 'water is called 'pink', then what is the colour of clear sky?

> (a) Blue (b) Sky

(d) Water (c) Yellow

- Sol. (c) Clearly, a lizard crawls and the animals that crawl are called 'flying'. So, a lizard is called 'flying'.
- Sol. (b) The colour of clear sky is 'blue' and as given, 'blue' is called 'sky'. So, the colour of clear sky is 'sky'.

## TYPE -3

In this type of questions either numerical code values are assigned to a word or alphabetical code letters are assigned to the numbers.

- If ACNE can be coded as 3, 7, 29, 1. 11, then BOIL will be coded as
  - (a) 5, 29, 19, 27
  - (b) 5, 29, 19, 25
  - (c) 5, 31, 21, 25
  - (d) 5, 31, 19, 25

Sol (d)								_	
001. (u)	Α	В	С	D	E	F	G	Η	Ι
	3	5	7	9	11	13	15	17	19
		_	_	-					
	K	L	, I	Μ	Ν	0	J		
	23	2	5	27	29	31	21	1	

BOIL = 5, 31, 19, 25

- If O = 16, FOR = 42, then what is 2. FRONT equal to ? (a) 61 (b) 65
  - (d) 78 (c) 73
- Sol. (d) we have A  $2 B = 3 \dots z = 27$ For = F + O + R
  - ▶ 7 + 16 + 19 = 42 FRONT = F + R + O + N + T = 7 +19 + 16 + 15 + 21 = 78

#### TYPE -4

**Directions (1–5) :** Read the following information to answer the given questions.

In a certain code language, 'India will lose test series' is written as 'mo ra tic da su', 'Australia will be champion' is written as 'dic da phi cha', 'Australia win the series' is written as 'pa phi mo ki', 'India must win' is written as 'la ki tic' and 'test chamption' is written as 'dic ra'.

1.	What is the	e code for 'lose' ?
	(a) mo	(b) ra
	(c) tic	(d) su
2.	What does	'be' stand for?
	(a) phi	$(\mathbf{b})$ mo

(a) pin	(0) 110
(c) dic	(d) cha

- Which of the following is the code 3. for 'Australia must test' ?
  - (a) ra la cha (b) phi la ra (d) phi dic ra
  - (c) la phi dic
- 4. 'ki ra tic' could be a code for which of the following?
  - (a) India win series
  - (b) India must lose
  - (c) India win test
  - (d) must be win
- Which of the following represent 5. 'Australia never lose series' ? (a) su phi go cha
  - (b) phi su go mo
  - (c) su da mo na
  - (d) phi cha go ki

## Solution (1-5)

India will lose test series 
 mo ra tic da su .... (1)

Australia will be champion ® dic da phi cha .... (2)

Australia win the series ® pa phi mo ki .... (3)

- India must win 
  <sup>®</sup> la ki tic .... (4)
- test champion ® dic ra .... (5)
  - From (1) and (2), will 
     da

	From (1) and	(3), sei	ries (	® mo
	From (1) and	(4), Ind	dia ®	tic
	From (1) and	(5), tes	st ®	ra
	From (5), cha	ampion	®c	lic
	From (2) and	(3), Aus	tralia	a ® phi
	From (2), be	® cha		_
	From (1), los	e ® su	L	
	From (3) and	(4), wi	n ®	ki
	From (4), mu	ist ® 1	a	
Sol.	(d)			
Sol.	(d)			
Sol.	(b) Australia	mus	st	test
	-	-		_
	phi	la		ra
Sol.	(c) ki	ra		tic
	_	_		_
	win	test		India
Sol.	(b) Australia	never	lose	series
	—	_	_	—
	phi	go	su	mo

### TYPE -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
- If in a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that language ?
  (a) CPNCBX (b) CPNCBZ
  (c) CPOCBZ (d) CQOCBZ
- 3. If FISH is written as EHRG in a certain code, how would JUNGLE be written in that code ?
  (a) ITMFKD
  (b) ITNFKD
  (c) KVOHMF
  (d) TIMFKD
- 4. In a certain code, TWINKLE is written as SVHMJKD, then how would FILTERS be written in the same code ?
  - (a) EHKSDQR(b) EHKUDQR(c) EGKUDQR(d) GJMSFST
- 5. In a certain code, ROAD is written as URDG. How is SWAN writte in that code ?
  (a) VXDQ
  (b) VZDQ
  (c) VZCP
  (d) UXDO
- 6. In a certain code language, OPERATION is written as NODQZSHNM. How is INVISIBLE written in that code?

(a) JOWJTJCMF(b) JOWJTHAKD(c) HMUHTJCMF(d) HMUHRHAKD

- 7. In a certain code, FAVOUR is written as EBUPTS. How is DANGER written in that code ?
  (a) CBFFDS (b) CBMHDS
  (c) EBFHDS (d) EBHHFS
- 8. If SUMMER is coded as RUNNER, the code for WINTER will be
  (a) SUITER (b) VIOUER
  - (c) WALKER (d) SUFFER
- 9. In a certain code, PRODUCTIONS is written as QQPCVEUHPMT. How is ORIENTATION written in that code ?
  (a) PQJDOVBSJNO
  (b) PQJDOUBUJPO
  (c) PSJFOVBSJNO
  - (d) NSHFMVBSJNO
- 10. If, in a code, MIND becomes KGLB and ARGUE becomes YPESC, then what will DIAGRAM be in that code ?
  (a) BGYEPYK
  (b) BGYPYEK
  (c) GLPEYKGB
  (d) LKBGYPK
- 11. In a certain code, BASIC is written as DDULE. How is LEADER written in that code ?
  (a) NGCFGT (b) NHCGGU
  (c) OGDFHT (d) OHDGHU
- 12. In a certain language, SIGHT is written as FVTUG. How is REVEAL written in the same language?

(a) YNRIRE	(b) DQHQMX
(c) FSJSOZ	(d) ERIRNY

- 13. If in a certain language, MIRACLE is coded as NKUEHRL, then how is GAMBLE coded in that language ?
  (a) JDOCMF (b) CLEMNK
  (c) HCPFQK (d) AELGMN
- 14. If in a certain code, GLAMOUR is written as IJCNMWP and MISRULE is written as OGUSSNC, then how will TOPICAL be written in that code ?

(a) VMRJECN (b) VMRHACJ

- (c) VMRJACJ (d) VNRJABJ
- 15. In a certain code, BELIEF is written as AFKKDI. how is SELDOM written in the code ?

(a) RDKCNL(b) RFKENM(c) RFKFNP(d) TFKENP

16. If in a certain language, POPULAR is coded as QPQVMBS, then the code 'GBNPVT' is used for which word?

(a) FARMER(b) FAMOUS(c) FRAMES(d) FARMES

17. If in a certain language, UTENSIL is coded as WVGPUKN, then the

is coded as WVGPUKN, then the code 'DMSFXG' is used for which word?

(a) BKQEVE (b) BKQDWE

- (c) BKQDWF (d) BKQDVE
- 18. If ROBUST is coded as QNATRS in a certain language, which word would be coded as ZXCMP ?(a) BZEOR (b) AYDNO

(c) AWDLQ (d) YWBLO

19. If EHFNRQ is the code for BECKON, then the code 'QDFWXULQ' is used for which word?

(a) NCAUTIRN (b) NACUTIRN

(c) NATCRIUN (d) NACTURIN

 20. In a certain code, REFRIGERATOR is coded as ROTAREGIRFER. Which word would be coded as NOITINUMMA ?
 (a) ANMOMIUTNI

(b) AMNTOMUIIN

(c) AMMUNITION

- (d) NMMUNITIOA
- 21. If in a certain language, GRASP is coded as BMVNK, then how the word 'CRANE' will be coded?

(a) FUDQH	(b) HWFSJ

- (c) GVERI (d) XMVIZ
- 22. If in certain code, COVET is written as FRYHW, then the code 'SHDUO' is used for which word?(a) QUAKE (b) REPAY

(c) STINK (d) PEARL

23. If in a certain language, TRIANGLE is coded as SQHZMFKD, then the code 'DWZLOKD' is used for which word? (a) EXAMPLE (b) FIGMENT (c) DISMISS (d) DISJOIN

24. If in a certain code, SWITCH is written as TVJSDG, then the code 'CQFZE' is used for which word?

(a) BARED	(b) BRAED
(c) BREAD	(d) BRADE

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

## **TYPE -2**

- If 'white' is called 'blue', 'blue' is 1. 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
- If 'oranges' are 'apples', 'bananas' 2. are 'apricots', 'apples' are 'chillies', 'apricots' are 'oranges' and 'chilies' are 'bananas', then which of the following are green in colour ?
  - (b) Apples (a) Apricots
  - (c) Chillies (d) Bananas
- If 'pen' is 'table', 'table' is 'fan', 3. 'fan' is 'chair' and 'chair' is 'roof', on which of the following will a person sit?
  - (a) Fan (b) Chair

(c) Roof (d)	) Table
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If 'bat' is 'racket', 'racket' is 4. 'football', 'football' is 'shuttle', 'shuttle' is 'ludo' and 'ludo' is 'carom', what is cricket played with ?

(a) Racket	(b) Football
(c) Bat	(d) Shuttle

- If 'sky' is 'star', 'star' is 'cloud' 5. cloud is 'earth' earth is 'tree' and 'tree' is 'book', then where do the birds fly?
  - (a) Cloud
  - (b) Sky

(c) Star

(d) Data inadequate

- If 'room' is called 'bed', 'bed' is 6. called 'window', 'window' is called 'flower' and 'flower' is called 'cooler' on what would a man sleep?
  - (a) Window (b) Bed

(c) Flower (d) Cooler

If 'book' is called 'watch', 'watch' 7. is called 'bag', 'bag' is called 'dictionary' and 'dictionary' is called 'window', which is used to carry the books ?

) Bag

- (c) Book (d) Watch
- 8. If 'cushion' is called 'pillow', 'pillow' is called 'mat', 'mat' is called 'bedsheet' and 'bedsheet' is called 'cover', which will be spread on the floor ?

(a) Cover (b) Bedsheet (c) Mat

- (d) Pillow
- If 'orange' is called 'butter', 9. 'butter' is called 'soap, 'soap' is called 'ink', 'ink' is called 'honey' and 'honey' is called 'orange', which of the following is used for washing clothes ?

(a) Honey	(b) Butter
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- (c) Orange (d) Ink
- 10. If 'sand' is called 'air', 'air' is called 'plateau', 'plateau' is called 'well, 'well' is called 'island' and island' is called 'sky', then from where will a woman draw water ?

(a) Well	(b) Island
(c) Sky	(d) Air

- 11. If 'bangle' is called 'cassette', 'cassette' is called 'table', 'table' is called 'game' and 'game' is called 'cupboard', then which is played in the tape recorder ? (a) Bangle (b) Cassette (d) Cupboard (c) Table
- 12. If 'black' means 'pink', 'pink' means 'blue', blue means 'white', 'white' means 'yellow', 'yellow' means 'red' and 'red' means 'brown', then what is the colour of clear sky ?
  - (a) Brown (b) Red
  - (c) Blue (d) White
- 13. If 'rain' is 'water', 'water' is 'road', 'road' is 'cloud', 'cloud' is 'sky',

'sky' is 'sea' sea is 'path', where do aeroplanes fly ?

- (a) Road (b) Sea
- (c) Cloud (d) Water
- 14. If 'water' is called 'food', 'food' is called 'tree', 'tree' is called 'sky', 'sky' is called 'wall', on which of the following grows a fruit ?
  - (a) Water (b) Food
  - (d) Tree (c) Sky
- 15. If 'dust' is called 'air', 'air' is called 'fire', 'fire' is called 'water', 'water' is called 'colour', 'colour' is called 'rain' and 'rain' is called 'dust', then where do fish live?
  - (a) Fire (b) Water
  - (c) Colour (d) Dust
- 16. If 'train' is called 'bus', 'bus' is called 'tractor', 'tractor' is called 'car', 'car' is called 'scooter', 'scooter' is called 'bicycle', 'bicycle' is called 'moped', which is used to plough a field ?
  - (a) Train (b) Bus
  - (c) Tractor (d) Car
- 17. If 'lead' is called 'stick', 'stick' is called 'nib', 'nib' is called 'needle', needle is called 'rope' and 'rope' is called 'thread', what will be fitted in a pen to write with it ?
  - (a) Stick (b) Lead
  - (c) Needle (d) Nib
- 18. If 'light' is called 'morning', 'morning' is called 'dark', 'dark' is called 'night', 'night' is called 'sunshine' and 'sunshine' is called 'dusk', when do we sleep ?
  - (a) Night (b) Sunshine (c) Dusk (d) Dark
- 19. If 'rose' is called 'poppy', 'poppy' is called 'lily', 'lily' is called 'lotus' and 'lotus' is called 'gladiola', which is the king of flowers ?
  - (a) Rose (b) Lotus
  - (d) Gladiola (c) Poppy
- 20. If 'rat' is called 'dog', 'dog' is called 'mongoose', 'mongoose' is called 'lion', 'lion' is called 'snake' and 'snake' is called 'elephant', which is reared as pet?
  - (a) Rat (b) Dog
  - (c) Mongoose (d) Lion
- 21. If 'blue' means 'green', 'green' means 'white', 'white' means

'yellow', 'yellow' means 'black', 'black' means 'red' and 'red' means 'brown', then what is the colour of milk ?

(a) Black	(b) Brown
(c) Blue	(d) Yellow

- 22. If 'paper' is called 'wood', 'wood' is called 'straw', 'straw' is called 'grass', 'grass' is called 'rubber' and 'rubber' is called 'cloth', what is the furniture made up of ?
  (a) Paper (b) Wood
  (c) Straw (d) Grass
- 23. If "man' is called 'girl', 'girl' is called 'woman', 'woman' is called 'boy, 'boy' is called 'butler' and 'butler' is called 'rogue', who will serve in a restaurant ?
  - (a) Butler (b) Girl
  - (c) Man (d) Rogue
- 24. If, in a language, 'finger' is called 'toe', 'toe' is called 'foot', 'foot' is called 'thumb', 'thumb' is called 'ankle', 'ankle' is called 'palm' and 'palm' is called 'knee', then in that language, what will an illiterate man put to mark his signatures ?
  - (a) Toe (b) Knee
  - (c) Thumb (d) Ankle
- 25. If 'wall' is called 'window', 'window' is called 'door', 'door' is called 'floor', 'floor' is called 'roof' and 'roof' is called 'ventilator', what will a person stand on ?
  (a) Window (b) Wall
  (c) Floor (d) Roof
- 26. If 'eraser' is called 'box', 'box' is called 'pencil', 'pencil' is called 'sharpener' and 'sharpener' is called 'bag', what will a child write with ?
  (a) Eraser
  (b) Box
  - (c) Pencil (d) Sharpener
- 27. If 'clock' is called 'television', 'television' is called 'radio', radio is called 'oven', 'oven' is called 'grinder' and 'grinder' is called 'iron', in what will a lady bake ?
  (a) Radio (b) Oven (c) Grinder (d) Iron
- 28. On another planet, the local terminology for 'earth', 'water', 'light', 'air' and 'sky' are 'sky', 'light, 'air', 'water' and earth' respectively. If someone is thirsty there, what would he drink ?

(a) Light	(b) Air
(c) Sky	(d) Water

## TYPE -3

If REQUEST is written as 1 S2R52TU, then how will ACID be written? (a) 1394 (b) IC94 (c) BDJE (d) None of these 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. In a certain code, the word DEAL is coded as 4 - 5 - 1 - 12. Following the same rule of coding, what should be the code for the word LADY ? (a) 12 - 4 - 1 - 25(b) 12 - 1 - 4 - 25(c) 10 - 1 - 4 - 23 (d) 12 - 1 - 4 - 224. If A = 2, M = 26, Z = 52, then BET = ?(a) 44 (b) 54 (d) 72 (c) 64 If A = 26, SUN = 27, then CAT = ? 5. (b) 27 (a) 24 (c) 57 (d) 58 If in a certain code, BAT = 23 and 6. CAT = 24, then how will you code BALL? (a) 27 (b) 28 (d) 120 (c) 32 If GO = 32, SHE = 49, then SOME 7. will be equal to (a) 56 (b) 58 (c) 62 (d) 64 If AT = 20, BAT = 40, then CAT 8. will be equal to (a) 30 (b) 50 (d) 70 (c) 60 9. If ZIP = 198 and ZAP = 246, then how will you code VIP ? (a) 174 (b) 222 (c) 888 (d) 990 10. If DEER = 12215 and HIGH = 5645, how will you code HEEL? (a) 2328 (b) 3449 (c) 4337 (d) 5229 11. If E = 5 and HOTEL = 12, how will you code LAMB?

(a) 7	(b) 10
() 01	(1) 00

- (c) 26 (d) 28
- 12. If ZEBRA can be written as 2652181, how can COBRA be written ?

(a) 302181 (b) 3152181

- (c) 31822151 (d) 1182153
- 13. If WORK is coded as 4 12 9 -16, then how will you code WOMAN ?
  (a) 4 - 12 - 14 - 26 - 13
  (b) 4 - 26 - 14 - 13 - 12
  (c) 23 - 12 - 26 - 14 - 13
  (d) 23 - 15 - 13 - 1 - 14

## TYPE -4

**Directions (1–5) :** Study the following information to answer the given question.

In a certain code, 'rising prices are main problem' is written as 'ku poo qi da su', 'control the prices rising more rapidly' is written as ja qi chi nic poo dic', 'control inflation problem' is written as da 'chi pic', 'more prices affect badly' is written as 'nic ra poo mo,' and 'poors are rapidly affect' is written as 'tic dic ku ra'.

What is the code for 'the' ?										
(a) qi	(b) ja									
(c) poo	(d) nic									
What does 'tic'	stand for ?									
(a) rapidly	(b) affect									
(c) poors	(d) are									
Which of the foll	lowing may be the									
code for 'cont	code for 'control badly affect									
problem ?										
(a) mo chi nic ra										
(b) ra chi da mo										
(c) da qi mo su	(c) da qi mo su									
(d) su da ra nic										
Which of the foll	lowing may be the									
code for 'rising i	nflation are main									
(a) su phi poo k										
(a) su pin poo k	u pic									
(b) pic ku su pi	do									
(d) ra su pic gi	da									
Which of the fo	ua Ilowing is written									
as 'nic dic ra p	nowing is written									
(a) rapidly affec	t more poors									
(b) more prices	affect rapidly									
(c) rising proble	em affect badly									
(d) control ranid	lly rising problem									
	What is the cod (a) qi (c) poo What does 'tic' (a) rapidly (c) poors Which of the foll code for 'cont problem ? (a) mo chi nic ra (b) ra chi da mo (c) da qi mo su (d) su da ra nic Which of the foll code for 'rising i concern' ? (a) su phi poo k (b) pic ku su phi (c) nic ra qi su o (d) ra su nic qi o Which of the fol as 'nic dic ra po (a) rapidly affec (b) more prices (c) rising proble									

**Directions (6–10) :** Study the following information to answer the given questions

In a certain code, 'nuclear plants are safe' is written as 'tic da pic ki', 'conserve safe nuclear energy' is written as 'pic ra ki su', 'new plants conserve radiation' is written as 'ba su tic mo' and 'prevent from nuclear radiation' is written as 'gi mo ki fa'. 6 What is the code for conserve ?

6.	What is th	ie code for conserve
	(a) pi	(b) ra
	(c) su	(d) ki
7.	What does	s 'da' stand for ?

(a) plants	(b) energy
(c) safe	(d) are

- 8. Which of the following is the code for 'new energy from plants ?(a) ra tic fa ba (b) fa ra pic tic(c) tic gi ki fa (d) None
- 9. Which of the following is represented by the code 'pic ba mo da ?
  - (a) new radiation are safe
  - (b) prevent plants conserve from
  - (c) plants are prevent radiation
  - (d) conserve new radiation from
- 10. Which of the following may be the code for 'new nuclear deal from America' ?
  - (a) ba ki tic chi gi or fa
  - (b) gi nic mo ba ra
  - (c) ra chi gi mo tic
  - (d) ki chi nic ba fa or gi

**Directions (11–15) :** Study the following information to answer the given questions :

In a certain code, 'more money in market' is written as 'zo li aa to', 'share in market profit' is written as 'vo to je li', 'making more profit now' is written as 'su je zo ka', 'now the market gains' is written as 'do li yo su'.

- 11. What does 'vo' stand for ?(a) profit(b) in
  - (c) share (d) market
- 12. What is the code for 'making' ?
  - (a) ka (b) su
  - (c) je (d) zo
- 13. Which of the following is the code for 'gains' ?
  - (a) su (b) do
  - (c) yo (d) Either yo or do

- 14. Which of the following may be the code for the more gains share ?(a) do yo zo vo (b) vo wi zo do(c) vo zo wi bu (d) yo je vo wi
- 15. 'to ka li aa' is a code for which of the following ?
  - (a) share more in market
    - (b) now share more gains
    - (c) the gains in market
  - (d) making money in market

**Directions (16–20) :** Study the following information and answer the given questions.

In a certain code language, 'global recession is critical phase' is written as 'su zo ti ra mo', 'recession affects economy' is written as 'chi mo nic', 'global economy going down' is written as 'fa nic ti ye', 'kiked rates down growth' is written as 'phi ye koo da' and 'critical rates' is written as 'su phi'.

16. What is the code for 'phase'?

(a) su	(b) zo
(c) ra	(d) Either zo or ra

- 17. What does 'fa' stand for ?(a) global(b) down
  - (c) economy (d) going
- 18. Which of the following is the code for 'critical rates affects growth' ?(a) koo da phi chi
  - (b) phi su da chi
  - (c) ti da zo chi
  - (d) su phi chi da or koo
- 19. Which of the following is represented by the code 'mo ye su phi' ?
  - (a) economy is critical down
  - (b) recession affects down rates
  - (c) critical recession down rates
  - (d) down economy growth rates
- 20. Which of the following may be the code for 'world is overcome through critical phase' ?
  - (a) nic zo su ra mo pic
  - (b) pic zo ra su vo bi
  - (c) su pic ye zo ra fa
  - (d) ti ra su chi mo zo

**Directions 21–25 :** Study the following information to answer the given questions.

In a certain code, 'launch prosecution in corruption cases' is written as 'jo ti pic su nic', 'India launch new laws' is written as 'dic sha chi ti', 'new cases to investigate' is written as 'za pic dic kee', and 'corruption curbs laws' is written as 'chi ba nic'.

- 21. What is the code for 'prosecution' ? (a) jo
  - (b) ti
  - (c) pic

  - (d) Can't be determined
- 22. What does 'za' stand for ?
  - (a) new
  - (b) to
  - (c) investigate
  - (d) Either to or investigate
- 23. What is the code of 'India curbs cases' ?
  - (a) pic tic ba (b) sha chi pic
  - (c) ba sha pic (d) pic sha nic
- 24. 'pic da chi' could be a code for which of the following ?(a) new laws cases
  - (b) laws cases arise
  - (c) investigate corruption case
  - (d) India to laws
- 25. Which of the following may represent 'transparency in new
  - prosecution' ?
  - (a) su dic mac ti
  - (b) dic mac jo chi
  - (c) dic jo nic su
  - (d) jo dic su mac

**Directions (26–30) :** Study the following information to answer the given questions.

In a certain code language, 'cool waves chilled weather' is written as 'ti chi su pic', 'January is cool month' is written as 'ro mo su da', 'lovely month chilled season' is written as 'mo pic ki nic' and 'December is cool season' is written as 'su nic ro ne'.

- 26. What is the code for 'weather' ? (a) pic
  - (b) su
  - (c) chi

  - (d) Can't be determined
- 27. What does 'da' stand for ? (a) cool (b) is
  - (c) January (d) month
- 28. Which of the following is the code for 'chilled December' ?

	(a) ro pic	(b) nic su							
	(c) pic nic	(d) ne pic							
29.	'ki, su ro' is the	code for							
	(a) cool lovely se	eason							
	(b) lovely chilled month								
	(c) cool waves is	3							
	(d) cool is lovely								
30.	Which of the foll	owing may be the							
	code fog 'dense fo	or lovely weather'?							
	(a) mo ku su ti								
	(b) ye chi ti su								
	(c) zo ki wo ti								
	(d) zo sy ti mo								

## **TYPE -5**

Directions (1 - 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 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 from O 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 question 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 I 0 1 2 3 2 0 F 0 M S I 1 S R F 0 M 2 0 M S R F 3 R F 0 M S 4 M S R F 0 1. MOST (a) 40, 44, 22 (b) 33, 20, 11 (c) 21, 00, 03 (d) 02, 13, 34					Μ	at	rix	x II	1				
		0	1	2	3	4			5	6	7	8	9	
	0	F	0	Μ	S	R		5	А	Т	D	Ι	Р	
	1	S	R	F	0	Μ		6	Ι	Ρ	А	Т	D	
	2	Ο	Μ	S	R	F		7	Т	D	Ι	Р	А	
	3	R	F	0	Μ	S		8	Р	А	Т	D	Ι	
	4	Μ	S	R	F	0		9	D	Ι	Р	А	Т	
1.	M( (a) (b) (c) (d)	DS 40 33 21 02	T ), 2 3, 2 ., 0 2, 1	14, 20, 00, 13,	22 1 0 34	2, 2 1, <sup>7</sup> 3, 2	8 7 8 5	9 9 8 6						
2.	RC	AI	C											
	(a)	40		20	70	a	5	8						

(a) 42, 32, 79, 58 (b) 23, 32, 98, 99 (c) 11, 13, 67, 69 (d) 04, 20, 55, 78 STOP

3. (a) 10, 56, 44, 97

	(b) 41, 68, 01, 77												
	(c)	22	, 7	75,	32	2, 8	3	6					
	(d)	33	, <u>9</u>	99,	42	2, 5	5	9					
4.	FO	A	A										
	(a) 24, 01, 55, 22												
	(b) 00, 01, 67, 33												
	(c) 12, 13, 67, 23												
	(d) 43, 52, 56, 33												
	Questions 5 – 9												
	Matrix I Matrix II												
		0	1	2	3	4			5	6	7	8	9
	0	A	E	S	T	H		5	P	0	R	K	L
	$\frac{1}{2}$	I E	н S	A T	E H	A		6 7	к О	L R	Р К	L L	R P
	3	H	A	Ē	S	Т		8	L	P	0	R	K
	4	S	Т	Η	А	Ε		9	R	Κ	L	Р	0
5.	ΕA	SI											
	(a)	44	., З	32,	21	ι,3	3	0					
	(b) 32, 31, 02, 04												
	(c)	20	), 4	ŀ3,	33	3, 1	L	1					
	(d)	13	, 1	2,	14	1, 1	L	0					
6.	RC	SE	£										
	(a)	95	, 7	75,	02	2, 3	3:	2					
	(b)	88	5, 7	76,	31	ι,3	3:	2					
	(c)	86	6, 6	57,	33	3, 4	1.	4					
	(d)	57	, 8	37,	32	2, 3	3	3					
7.	SO	LE	C										
	(a)	41	, 5	57,	87	7, 3	3	1					
	(b)	33	, <u>9</u>	99,	66	5, 4	1	4					
	(c)	21	, 7	75,	44	1, (	):	2					
	(d)	02	, 7	78,	87	7, 1	1	3					
8.	LA	KE	2										
	(a)	97	', C	00,	77	7, 1	1:	2					
	(b)	66	, 1	2,	58	3, 4	1	0					
	(c)	85	, З	81,	77	7, 4	1.	4					
	(d)	77	', 4	13,	76	5, 3	3	1					
9.	LE	ST	`										
	(a)	97	, 3	32,	21	ι, 3	3,	4					
	(b)	87	, 3	32,	21	ι, 3	3	1					
	(c)	85	5, C	)2,	04	1, 2	2	2					
	(d)	66	, C	)0,	20	), 3	3,	4					
Que	stic	ons	s 1	0	- 1	4							
	Ma	tr	ix	I					M	atı	rix	Π	
		0	1	2	3	4		1	5	6	7	8	9
	0	$\frac{F}{I}$	A	N F		I N		5	S Н	E	H F	В Т	T R
	2	A	N	0	I	F		7	B	T	S	Ē	Н
	3	0	F	I	Ν	A		8	Е	Η	Т	В	S
	4	Ν	1	А	F	0		9	Т	S	Е	Η	В

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, 65 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 Questions 15 - 19 Matrix I **Matrix II** 56789 0 1 2 3 4 0 D O B A I 5 WNRML 
 I
 O
 B
 I
 O
 W
 N
 N
 M

 1
 O
 B
 A
 I
 D
 6
 N
 R
 M
 L

 2
 B
 A
 I
 D
 O
 7
 R
 M
 L
 W

 3
 A
 I
 D
 O
 B
 8
 M
 L
 W
 W WN R 4 I D O B A 9 L W N 15. DRAW (a) 41, 66, 23, 55 (b) 32, 75, 44, 76 (c) 23, 57 30, 68 (d) 14, 89, 12, 78 16. BAND (a) 43, 21, 97, 33 (b) 11, 21, 79, 41 (c) 34, 44, 66, 14 (d) 20, 30, 89, 23 17. BLOW (a) 11, 68, 42, 69 (b) 21, 95, 33, 97 (c) 34, 68, 10, 88 (d) 34, 86, 44, 78 18. RAIN (a) 57, 12, 31, 56 (b) 57, 21, 23, 79

(c) 66, 44, 42, 96
(d) 75, 30, 31, 87
19. LAMB
(a) 68, 21, 58, 34
(b) 77, 44, 76,33
(c) 86, 21, 67, 12
(d) 95, 30, 80, 20

**Directions (20-24):** The hundred cells in the square below have been filled with letters. The columns and the rows are identified by the numbers 0 to 9. A letter in a cell is represented first by its column number and then by its row number e.g., G in column 3 and row 1 is represented by 31. In each of the following questions, a word has been given which is represented by one of the four alternatives given under it. Find the correct alternative.

EUIFRTLOSG

		0	1	2	3	4	5	6	7	8
	0	Ι	L	В	Р	Κ	Ν	Η	S	А
	1	Μ	А	Q	G	Т	V	Ι	0	Ν
	2	Η	R	W	J	А	Х	В	Е	С
	3	Т	Y	А	Ι	U	U	0	Ν	J
	4	F	0	В	Μ	Е	G	U	Κ	W
	5	A	C	L	J	Χ	R	А	А	Χ
	6	P	S	U	E	Z	K	V	W	D
	7	Z	D	Y	V	F	0	H	Y	I
	8	M	1 F	$\frac{2}{0}$	Q	E	A		F	
	9	Ρ	Ŀ	0	D	Ŀ	U	Ų	0	C
20.	M	INI	)							
	(a)	01	Ι, θ	51,	73	3, 3	36			
	(b)	08	3,6	51,	55	5, 4	14			
	(c)	34	1, 3	33,	50	), 1	17			
	(d)	73	3, 3	33,	61	ι, Ι	17			
21.	JA	IL								
	(a)	32	2, (	)5,	25	5, 4	14			
	(b)	32	2, (	)5,	87	7, 9	96			
	(c)	35	5, 2	23,	26	5, 2	23			
	(d)	83	3, 6	55,	25	5, 4	14			
22.	BI	207	Г							
	(a)	20	), 1	10,	71	1,2	22			
	(b)	24	1, 1	10,	26	5, 4	18			
	(c)	34	1, 3	35,	63	3, (	)3			
	(d)	62	2, 2	25,	57	7, 9	95			
23.	JC	)KI	E							
	(a)	32	2, 1	14,	56	5, 4	14			
	(b)	35	5, 1	14,	37	7,7	78			
	(c)	83	3. 6	53.	4(	).	59			
	(d)	83	Ś. 7	71.	25	5.3	36			
24		, oc MI	Γ, .	-,	- `	., .				
	(0)	11/	1 ′	₹⊿	8	Q	٥٢			
	(a)		י, י ר	лт, лл	0	0, 0	20 00			
	(D	103	5, 4	+4,	8	ð,	03			

(c) 79, 09, 61, 41 (d) 97, 34, 62, 95

**Direction (25)**: A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. T can be represented by 00, 13, 30 etc., and R can be represented by 56, 79, 87 etc. Identify the set for the word **DEAL**.

- 25. MATRIX-II MATRIX-II 56789 0 1 2 3 4 5 С R I G OTCKKG Ε 1 F B R T O 6 P M S L Т 7 E Y N B R 2 M D I O Q8 A U R O A 3 T A U A N 9 O T A 4 Y K P R Y (a) 11, 23, 76, 68 (b) 21, 75, 97, 68
  - (c) 21, 32, 86, 89,
  - (d) 43, 75, 89, 69,

Direction (26): In the following question a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrix given below. The columns and rows of Matrix I are numbered from O to 4 and that of Matrix II from 5 to 9. A letter from these matrices can be represented first by its row and next by column number For eg. "B" can be represented by 11, 30, etc. 'U' can be represented by 89 etc. Identify the set for the word FISH.

26.	0       1       2       3       4         0       M       L       F       H       F         1       H       B       M       L       F         2       L       F       H       B       M							I	ЛA	TR	IX	<b>–</b> I	I
		0	1	2	3	4			5	6	7	8	9
	0	Μ	L	F	Η	В		5	L	Κ	S	U	Ν
	1	Η	В	Μ	L	F		6	U	Ν	Ι	Κ	S
	2	L	F	Η	В	Μ		7	Κ	S	U	Ν	Ι
	3	В	Μ	L	F	Η		8	Ν	Ι	Κ	S	U
	4	F	Η	В	Μ	L		9	S	U	Ν	Ι	Κ

(a) 22, 81, 14, 69

- (b) 33, 86, 88, 41
- (c) 33, 88, 67, 22
- (d) 02, 67, 34, 88

Direction (27): In the following question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the 2 matrices given below. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II from 5 to 9. A letter from these matrices can be represented first by its row and next by column number. For example, 'W' can be represented by 13, 20 etc, 'H' can be represented by 66, 78 etc. Identify the set for the word **PENS**.

27.													
	I	MА	TF	RIX	. <b>–</b> 1	[		I	Μ	TF	RIX	<b>–</b> 1	Ι
		0	1	2	3	4			5	6	7	8	9
	0	Р	W	Ν	Ι	S		5	А	Е	R	0	Η
	1	Ι	S	Р	W	Ν		6	0	Η	Α	Е	R
	2	W	Ν	Ι	S	Р		7	Е	R	Ο	Η	Α
	3	S	Р	W	Ν	Ι		8	Η	А	Е	R	0
	4	Ν	Ι	S	Р	W		9	R	0	Η	А	Е
	(8	a) [	12,	67	7, 2	21,	3	30					
	(1	$\rightarrow$ $\sim$	13	56	5 1	3	(	22					

- (b) 43, 56, 13, 23 (c) 43, 56, 21, 42
- (d) 31, 57, 21, 42
- (u) 51, 57, 21
- 28. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. : 'F' can be represented by 01, 13, 32, etc. and 'N' can be represented by 57, 69, 95 etc. Identify the set for the word **PEN**.

	1	MА	TR	RIX	<b>–</b> I	[		I	МA	TF	RIX	<b>-</b> I	Ι	
		0	1	2	3	4			5	6	7	8	9	
	0	E	F	G	Η	Ι		5	L	Μ	Ν	0	Ρ	
	1	Η	Ι	Е	F	G		6	0	Р	L	Μ	Ν	
	2	F	G	Η	Ι	Е		7	Μ	Ν	0	Р	L	
	3 I E F G H 8 P L M N O 4 G H L F F 9 N O P L M													
	4 G H I E F 9 N O P L M													
(; (] ()	a) b) c)	66 85 86	5, 3 5, 0 5, 0	30, 00, 00,	9. 9. 9.	5 5 5								
(	d)	65	5, (	)0,	9	5								

29. A word is represented by only one set of numbers as given in anyone of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices from 0 to 4 and that of matrix II are numbered from 5 to 9. A letter from these matrices can be represented by 01, 13, 32, etc, and 'M' can be represented by 56, 68, 87, etc. Identify the set for the word **NIFE**.

I	МA	TR	IX	<b>[ _]</b>	[	1	ΛN	TF	IX	. <b>–</b> 1	I
	0	1	2	3	4		5	6	7	8	9
0	Е	F	G	Η	Ι	5	L	Μ	Ν	0	Р
1	Η	Ι	Е	F	G	6	0	Р	L	Μ	Ν
2	F	G	Η	Ι	Е	7	Μ	Ν	0	Р	L
3	Ι	Е	F	G	Η	8	Р	L	Μ	Ν	Ο
4	G	Η	Ι	Е	F	9	Ν	0	Р	L	Μ

(-)		20	20	40
(a)	95,	30,	32,	43

- (b) 95, 30, 31, 43
- (c) 57, 42, 31, 43
- (d) 57, 41, 32, 43
- 30. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of matrix-I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. : 'A' can be represented by 00, 13 and 'T' can be represented by 56, 68, 89, etc. Identify the set for the word **TEMPT**.

1	МA	TF	IX	[ – ]	[	_	1	Μ	TF	RIX	[ _]	I
	0	1	2	3	4			5	6	7	8	9
0	А	U	0	Т	В		5	Р	Т	А	Μ	Е
1	Т	Е	Р	А	W		6	G	Ι	0	Т	Μ
2	R	Μ	G	G	Ι		7	Е	Α	L	Т	Μ
3	U	Μ	Μ	С	L		8	R	А	В	L	Т
4	Ρ	L	Ν	Ε	С		9	Ν	Р	Ε	G	Ρ

- (a) 56, 43, 32, 97, 10
- (b) 89, 43, 40, 12, 44
- (c) 10, 75, 32, 96, 78
- (d) 78, 11, 12, 96, 10
- 31. A word is represented by only one set of numbers as given in anyone of the alternatives. The sets of

numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'B' can be represented by 04, 11, 23, etc. and 'N' can be represented by 59, 66, 78, etc. Identify the set for the word **MILK**.

	I	ΜN	TF	RIX	. –I	[		I	МA	TF	RIX	<b>-</b> 1	Ι
		0	1	2	3	4			5	6	7	8	9
	0	Μ	L	F	Η	В		5	L	Κ	S	U	Ν
	1	Η	В	Μ	L	F		6	U	Ν	Ι	Κ	S
	2	L	F	Η	В	Μ		7	Κ	S	U	Ν	Ι
	$\begin{array}{c c c c c c c c c c c c c c c c c c c $												
	4	F	Η	В	М	L		9	S	U	Ν	Ι	Κ
(;	2       L       F       H       B       M       7       K       S       U       N       I         3       B       M       L       F       H       8       N       I       K       S       U       N       I         4       F       H       B       M       L       9       S       U       N       I       K         (a)       12, 67, 32, 99       (b)       31, 86, 33, 87       87												
(1	0       1       2       3       4       5       0       7       8       9         0       M       L       F       H       B       5       L       K       S       U       N         1       H       B       M       L       F       6       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I       K       S       U       N       I												
(•	$\begin{array}{c c c c c c c c c c c c c c c c c c c $												
(	1       H       B       L       F       6       U       N       I       K       S         2       L       F       H       B       7       K       S       U       N       I         3       B       M       L       F       H       B       N       I       K       S       U       N       I         3       B       M       L       F       H       B       N       I       K       S       U       N       I         4       F       H       B       M       L       9       S       U       N       I       K       S       U         a)       12, 67, 32, 99       b)       31, 86, 33, 87       c)       21, 76, 32, 95       d)       10, 67, 42, 88         A       word is represented by only or       S       S       S       S       S												
P	w	or	d i	s re	epi	res	e	ent	ed	by	01	nly	01

32. ne set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 3 and that of Matrix II are numbered from 4 to 7. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 00, 12, 21, etc. and 'T' can be represented by 02, 10, 23, etc. Identify that set for the word LAMB.

I	MA	TR	IX-	-I	 N	<b>IA</b> 1	ſRI	<b>X</b> –	II
	0	1	2	3		4	5	6	7
0	А	Μ	Т	Ι	4	Е	В	L	U
1	Т	Ι	А	М	5	L	U	Е	В
2	Ι	А	Μ	Т	6	U	Е	В	L
3	Μ	Т	Ι	A	7	В	L	U	E

- (a) 75, 21, 13, 45 (b) 46, 12, 23, 57
- (c) 67, 33, 31, 66
- (d) 46, 32, 01, 74
- 33. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two

classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 55, 67, 86, etc and 'R' can be represented by 04, 23, 30, etc. Identify the set for the word **DOOR**.

1	MA	TF	RIX	<b>I</b> –I			1	Μ	TF	RIX	[ – ]	Ι
	0	1	2	3	4			5	6	7	8	9
0	F	0	Μ	S	R		5	А	Т	D	Ι	Р
1	S	R	F	Ο	Μ		6	Ι	Р	А	Т	D
2	0	Μ	S	R	F		7	Т	D	Ι	Ρ	Α
3	R	F	0	Μ	S		8	Р	Α	Т	D	Ι
4	Μ	S	R	F	0		9	D	Ι	Ρ	А	Т
(a)	6	9,	44	, 2	0,	2	43					
(b)	7	б,	01	, 4	4,	2	24					
(c) 95, 20, 44, 12												
(d) 57, 13, 32, 23												
•		. 1	•						11.		1	

34. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 3 and that of Matrix II are numbered from 4 to 7. A letter from these matrices can be represented first by its row and next by its column, e.g. 'A' can be represented by 00, 33, 21, etc. and 'M' can be represented by 22, 30, 13, etc. Identify the set for the word **MEAL**. MATRIX-I

## MATDIN II

				-
	0	1	2	3
0	А	Μ	Т	Ι
1	Т	Ι	А	М
2	Ι	А	Μ	Т
3	Μ	Т	Ι	А

IV		IRI	<b></b> _	11
	4	5	6	7
4	Е	В	L	U
5	L	U	Е	В
6	U	Е	В	L
7	В	L	IJ	E

- (a) 13, 44, 23, 46 (b) 22, 64, 54, 65
- (c) 30, 56, 21, 67
- (d) 01, 65, 12, 31
- 35. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives

are represented by two classes of alphabets as in two matrices, given below. The columns and rows of Matrix I are numbered 0 to 3 and that of Matrix II are numbered from 4 to 7. A letter from these matrices can be represented first by its row and next by its column e.g., 'A' can be represented by 00, 76 and 'S' can be represented by 11, 66. Identify the set for the word **PUSH**.

I	МA	TR	IX-	-I	_	N	IA'	ſRI	<b>X</b> -	II
	0	1	2	3			4	5	6	7
0	Α	D	G	Η		4	R	U	В	С
1	Р	S	V	Ζ		5	Ν	W	J	Х
2	С	F	Ι	Μ		6	Т	Κ	S	G
3	Т	L	Е	Q		7	Ι	Η	А	F

- (a) 10, 66, 45, 03
- (b) 30, 11, 54, 10
- (c) 10, 45, 66, 75
- (d) 01, 54, 66, 57
- 36. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., M can be represented by 14, 21, etc. and P can be represented by 59, 78, etc. Similarly, you have to identify the set for the word **MIST**.

	MATRIX -I       MATRIX -II         0       1       2       3       4       5       6       7       8       9         0       F       O       MS       R       5       A       T       D       I       P         1       S       R       F       O       M       S       R       5       A       T       D       I       P         1       S       R       F       O       M       S       R       F       O       T       D       I       P       A       T       D       I       P       A       T       D       I       P       A       T       D       I       I       P       A       T       D       I       P       A       T       D       I       I       A       I       I       I       I       I       I       R       F       O       I <td< th=""></td<>												
		0	1	2	3	4			5	6	7	8	9
	0	F	0	Μ	S	R		5	А	Т	D	Ι	Р
	1	S	R	F	0	Μ		6	Ι	Р	А	Т	D
	2	0	М	S	R	F		7	Т	D	Ι	Р	А
	3	R	F	0	М	S		8	Р	А	Т	D	Ι
	4	М	S	R	F	Ο		9	D	Ι	Р	А	Т
	(8	a)	14	, 8	9,	22	,	88	8				
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$												
	3       R       F       O       M       S       8       P       A       T       D       I         4       M       S       R       F       O       9       D       I       P       A       T       D       I         (a)       14, 89, 22, 88       (b)       40, 58, 03, 56       (c)       02, 58, 03, 86       56												
	0       1       2       3       4       5       6       7       8       9         0       F       O       M       S       R       5       A       T       D       I       P         1       S       R       F       O       M       S       R       5       A       T       D       I       P         2       O       M       S       R       F       7       T       D       I       P       A       T       D       I         2       O       M       S       R       F       7       T       D       I       P       A       T       D       I         2       O       M       S       R       F       7       T       D       I       P       A       T       D       I       P       A       T       D       I       P       A       T       D       I       I       A       T       D       I       P       A       T       D       I       I       A       S       R       F       O       D       D       I       D       A       T <td< td=""></td<>												
37.	0       1       2       3       4       5       6       7       8       9         0       F       O       M       S       R       5       A       T       D       I       P         1       S       R       F       O       M       S       R       F       A       T       D       I       P         2       O       M       S       R       F       7       T       D       I       P       A       T       D       I         2       O       M       S       R       F       7       T       D       I       P       A       T       D       I         2       O       M       S       R       F       O       M       S       R       F       O       D       I       P       A       T       D       I       A       T       D       I       A       T       D       I       A       T       D       I       I       A       T       D       I       A       T       D       I       A       T       D       I       I       A       D <td< td=""></td<>												

7. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 24, 33 etc, and 'D' can be represented by 56, 69 etc. Similarly, identify the set for the word **BEAD**.

	1	МA	TR	RIX	<b>I</b> – I	[		I	ИA	TF	RIX	<b>-</b> 1	I	
		0	1	2	3	4			5	6	7	8	9	
(	)	Ι	Е	А	0	U		5	F	D	В	G	Η	
[	1	А	Ο	U	Ι	Е		6	В	G	Η	F	D	
4	2	Е	Ι	0	D	F	G	Η	В					
	3	0	U	Е	А	Ι		8	G	Η	D	В	F	
4	4 U A I E O 9 H B F G D													
		(a)	7	5,	14	, 2	С	), 5	57					
		(b)	9	7,	32	, 1	4	ŀ, 5	56					
		(c)	8	8,	41	, 2	С	), 5	57					
		(d)	5	7,	32	, 4	- 1	, 8	37					

38. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 55, 67 etc., and 'R' can be represented by 23, 30 etc. Similarly, identify the set for the word **DART** 

			•••										
I	Μ	TR	RIX	[ – I			I	Μ	TF	RIX	[ – ]	Ι	
	0	1	2	3	4			5	6	7	8	9	
0	F	0	Μ	S	R		5	А	Т	D	Ι	Р	
1 S R F O M 6 I P A T											D		
2	2 O M S R F 7 T D I P A												
3	3 R F O M S 8 P A T D I												
4	М	S	R	F	0		9	D	Ι	Ρ	А	Т	
(8	a) '	76	, 8	6,	03	,	8	7					
(ł	<b>)</b> (	57	, 5	5,	04	.,	5	б					
(0	)	95	, 9	8,	42	¦,	6	5					
(c	1)	69	, 6	7,	11	,	8	б					

39. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 12, 23, etc, and 'K' can be represented by 55, 77, etc. Similarly, identify the set of the word **STRONG**.

_	I	Μ	TR	RIX	<b>-</b> I			I	MA	TF	RIX	[ – ]	I		
		0	1	2	3	4			5	6	7	8	9		
	0	R	А	Ι	Ν	G		5	Κ	S	Т	0	С		
	1	G	R	А	Ι	Ν		6	С	Κ	S	Т	0		
	2 N G R A I 7 O C K S T 3 I N G R A 8 T O C K S														
	3 I N G R A 8 T O C K S														
	3         I         N         G         R         A         8         T         O         C         K         S           4         A         I         N         G         R         9         S         T         O         C         K         S														
(;	a)	56	5, :	58	, 1	1,	1	4,	13	3, 1	10				
(1	b)	6	7,′	79	, 2	2,	8	86,	20	), 2	21				
(•	c)	78	3, 8	85	, 3	3,	ç	97,	32	2, 4	13				
(	d)	89	9, 9	95	, 4	4,	7	75,	42	2, 3	32				

40. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 04, 10, etc. and 'B' can be represented by 59, 65, etc. Identify the set for the word MARBLE.

	I	ΜN	TF	RIX	<b>–</b> I			I	Μ	TF	RIX	[ _]	Ι
		0	1	2	3	4			5	6	7	8	9
	0	R	Т	S	Μ	А		5	Е	G	L	0	В
	1	А	R	Т	S	М		6	В	Е	G	L	0
	2	М	А	R	Т	S		7	0	В	Е	G	L
	3	S	Μ	А	R	Т		8	L	0	В	Е	G
	4	Т	S	Μ	А	R		9	G	L	0	В	Е
(	a)	20	), 2	21,	23	3, 6	5	5,	79	), 8	37		
(	b)	42	2, 4	13,	22	2, 8	3	7,	57	', 6	66		
(	c)	31	, 1	0,	12	2, 5	5	8,	86	5, 5	55		
(	d)	14	, 3	32,	41	۱, ۹	9	8,	96	6, 8	88		

41. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., F can be represented by 14, 21, etc and E can be represented by 20, 32. etc. Similarly, you have to identify the set for the word '**REST**'.

I	MА	TF	RIX	[ – ]			1	Μ	TF	RIX	<b>I</b> –I	Ι
	0	1	2	3	4			5	6	7	8	9
0	D	Е	F	Ι	Ν		5	0	Р	R	S	Т
1	Ι	Ν	D	6	S	Т	0	Р	R			
$\begin{array}{c} 1 \\ 2 \\ E \\ F \\ I \\ N \\ D \\ 7 \\ P \\ R \\ S \\ \end{array}$											Т	0
3	Ν	D	Е	F	Ι		8	Т	0	Р	R	S
4	F	Ι	Ν	D	Е		9	R	S	Т	0	Ρ
(8	a)	57	, 2	0,	96	5,	98	8				

- (b) 69, 01, 58, 68
- (c) 95, 44, 96, 98
- (d) 76, 01, 65, 59
- 42. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., C can be represented by 14, 21, etc., and K can be represented by 76, 88, etc. Similarly, you have to identify the set for the word JADE.

	MATRIX -I         MATRIX -II $0$ $1$ $2$ $4$ $5$ $6$ $7$ $9$ $0$ $A$ $C$ $D$ $E$ $5$ $I$ $J$ $K$ $M$ $1$ $D$ $A$ $B$ $C$ $E$ $I$ $J$ $K$ $M$ $1$ $D$ $A$ $B$ $C$ $E$ $M$ $I$ $J$ $K$ $M$ $2$ $B$ $C$ $D$ $E$ $A$ $7$ $J$ $K$ $M$ $I$ $J$ $K$ $4$ $C$ $D$ $E$ $A$ $B$ $M$ $I$ $J$ $K$ $K$ $M$ $I$ </th												
		0	1	2	3	4			5	6	7	8	9
	0	Α	В	С	D	Е		5	Ι	J	Κ	L	Μ
	1	D	Ε	А	В	С		6	L	Μ	Ι	J	Κ
	2	В	С	D	Е	А		7	J	Κ	L	Μ	Ι
	3	E	Α	В	С	D		8	Μ	Ι	J	Κ	L
	4	С	D	Е	А	В		9	Κ	L	М	Ι	J
1	(a)	8	7,	43	, 3	33,	2	12					
1	(b)	8	5.	43	. 2	22.	3	30					

- (c) 75, 43, 10, 23
- (d) 75, 42, 10, 23
- 43. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alterna-

tives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'U' can be represented by 10, 42, etc. and 'R' can be represented by 55, 69, etc. Similarly, you have to identify the set for these word '**SLEEP'.** 

				•								
	M	AT	'RI	<b>X</b> -	I		]	MA	TI	RIX	<b>ζ–Ι</b>	I
	0	1	2	3	4			5	6	7	8	9
0	Ρ	U	L	S	Е		5	R	А	D	Ι	0
1	U	L	S	Е	Ρ		6	А	D	Ι	0	R
2	L	S	Е	Ρ	U		7	D	Ι	0	R	Α
3	S	Е	Ρ	U	L		8	Ι	0	R	Α	D
4	Е	Р	U	L	S		9	0	R	А	D	Ι
	(a	.) •	44	, 1	1,	4	0,	31	۷, ۷	11		
	(b	) :	30	, 2	0,	3	81,	40	), 4	11		
	(c	)	30	, 3	4,	4	0,	22	2, 4	14		
	(d	) (	44	, 4	3,	3	81,	22	2, 9	95		

44. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'P' can be represented by 00, 14, etc and 'A' can be represented by 56, 79 etc. Similarly, you have to identify the set for the word 'ROSE'.

	I	Μ	TF	RIX	-I		]	MA	TF	RIX	[ – ]	Ι		
Γ		0	1	2	3	4		5	6	7	8	9		
	0	Р	U	L	S	Е	5	R	А	D	Ι	0		
Γ	1	U	L	S	Е	Ρ	6	Α	D	Ι	0	R		
	2	L	S	Е	Р	U	7	D	Ι	0	R	А		
	3         S         E         P         U         L         8         I         O         R         A         D           4         E         P         U         L         S         9         O         R         A         D													
Ŀ	4 E P U L S 9 O R A D I													
(8	a)	5	5,	95	, 4	4,	42							
(1	o)	9	6,	95	, 4	4,	40							
(0	c)	6	9,	86	, 2	1,	43							
(0	1)	8	7,	95	, 4	4,	43							
A	v	voi	rd	is	rep	ores	ser	teo	1 b	y o	nly	7 01	ne	
s	et	of	nυ	ım	bei	rs a	is g	give	en i	na	any	7 01	ne	

of the alternatives. The sets of

45.

numbers given in the alternatives are represented by two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'R' can be represented by 02, 21, etc, and 'B' can be represented by 57, 76, etc. Similarly, you have to identify the set for the word '**KJAT**'.

	I	Μ	TF	RIX	<b>I</b> –I		]	MА	TF	RIX	. –I	Ι		
Γ		0	1	2	3	4		5	6	7	8	9		
Γ	0	S	А	R	Y	Κ	5	J	Т	В	L	Μ		
	1	Y	Κ	S	А	R	6	L	Μ	J	Т	В		
Γ	2 A R Y K S 7 T B L M J													
	3	Κ	S	А	R	Y	8	Μ	J	Т	В	L		
	3         K         S         A         R         Y         8         M         J         T         B         L           4         R         Y         K         S         A         9         B         L         M         J         T													
(;	a)	04	1, 7	79,	, 2	0, 8	87							
(1	b)	1	1,6	57,	, 23	3, ′	75							
(	c)	30	), 8	36,	, 0	1, (	67							
(	d)	23	3, 8	39,	, 2	0, 8	87							

46. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'D' can be represented by 03, 22, etc. and 'R' can be represented by 56, 68, etc. Similarly, you have to identify the set for the word 'CAST'.

1	MА	TF	RIX	. –I			1	MА	TF	RIX	<b>I</b> –I	Ι		
	0	1	2	3	4			5	6	7	8	9		
0	А	С	В	D	Е		5	Р	R	V	0	G		
1	Μ	Т	L	Κ	Η		6	V	0	F	R	Ι		
2	В	Μ	D	А	Т		7	S	S	Р	G	F		
3	3 NCBHA8JGROI 4 ELAKT9LEYPP													
4	4 E L A K T 9 I F Y P P													
(a)	3	1,4	42,	, 3	1, 1	2	0							
(b)	3	1, (	00,	1	3, 1	2	0							
(c)	3	1, 1	12,	2	4, (	0	0							
(d)	3	1, (	00,	7	5, 4	4	4							
A	wo	rd	is	re	epr	<b>^</b> (	ese	ent	ed	b	ус	only		

47. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'N' can be represented by 02, 24 etc. and 'Q' can be represented by 56, 78 etc. Similarly, you have to identify the set for the word '**SPORTS**'.

	1	MА	TR	IX	<b>I</b> –I			I	МA	TF	RIX	( – I	Ι	
		0	1	2	3	4			5	6	7	8	9	
	0	L	Μ	Ν	0	Κ		5	Ρ	Q	R	S	Т	
	1	Ν	Μ	Κ	L	0		6	Q	Р	S	R	Т	
	2 L K M O N 7 T R P Q S													
	3	Ν	Ο	Κ	Μ	L		8	R	Р	S	Q	Т	
	4	0	Μ	Κ	L	Ν		9	Q	Р	S	R	Т	
	(a)	6	7, :	55	, 3	1,	5	57,	69	9, 8	87			
	(b)	58	3, 1	77	, 2	0,	ξ	35,	79	9, 9	97			
	(c)	24	4, (	56	, 4	0,	ξ	35,	89	9,	58			
1	(d)	8	7, 2	20	, 2	3,	ξ	35,	75	5, (	67			

48. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the matrix given below. The columns and rows of Matrix are numbered from 0 to 6. A letter from the matrix can be represented first by its row and next by its column, e.g., 'A' can be represented by 15, 43, etc. Similarly, you have to identify the set for the word '**CALM**'.

	_										
	0	1	2	3	4	5	6				
	1	Η	R	Е	Ι	Р	S				
	2	S	G	Ν	D	Ζ	Ι				
	3	В	U	F	Т	Κ	L				
	4	V	А	Р	С	Y	А				
	5	Μ	W	С	0	Х	Ν				
	6	В	А	Е	J	L	Ο				
(a)	53,	42	2, 6	55,	36						
(b)	53, 54, 51, 31										
(c)	44,	54	1, 6	55,	24						
(d)	44, 62, 65, 51										

49. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 00, 12 etc. and 'P' can be represented by 56, 76 etc. Similarly, you have to identify the set for the word '**PARROT'**.

IARROI . MATDIVI MATDIVII														
1	MА	TF	RIX	<b>-</b> I			I	MA	TF	RIX	[ _]	Ι		
	0	1	2	3	4			5	6	7	8	9		
0	А	В	С	D	Е		5	Ο	Р	Q	R	Т		
1	Е	С	А	В	D		6	Ρ	0	Т	Q	R		
2	2 A E B D T 7 O P R Q T 3 B A D C E 8 P O O R T													
3	3 BADCE 8 POQRT													
4	3         BADCE         E         8         POQRT           4         ADCBE         9         OQPRT													
(8	a) .	56	, 0	0,	77	,	88	3, 8	36,	99	9			
(1	) (c	85	, 2	0,	58	,	77	7, 8	37,	79	9			
(c) 65, 30, 77, 98, 90, 99														
(0	1)	66	, 4	0,	76	,	77	7, 8	36,	99	9			

50. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'B' can be represented by 01, 31 etc. and 'P' can be represented by 67, 75 etc. Similarly, you have to identify the set for the word 'CARD'.

	MATRIX -I MATRIX -II													
		0	1	2	3	4	I		5	6	7	8	9	
	0	Α	В	С	D	Е		5	Р	Q	R	S	Т	
	1	D	С	В	А	Е	I	6	Q	S	Р	R	Т	
	2 B A D C E 7 P T R S Q													
	3 DBCAE8QSPRT													
	$\begin{array}{c} 4 \\ \hline \end{array} \\ $ \\ \hline } \\ \hline \end{array} \\ \\ \\ \end{array} \\ \end{array} \\ \\ \\ \\ \\ \end{array} \\ \\ \\ \\ \\ \\ \end{array} \\													
(	a) (	32,	, 0	0,	56	, 1	0							
(	b) 4	40,	, 2	1,	68	, 4	4							
(	c)	11,	, 3	3,	57	, 2	2							
(	(d) 02, 42, 77, 20													
A	A word is represented by only one													
S	set	of	nı	Jm	ιbe	rs	é	as	gi	vei	n i	n a	any	

51.

one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 01, 13 etc., and 'S' can be represented by 55, 67 etc. Similarly, you have to identify the set for the letters given.

### KPRS

	MA	TI	RIX	<b>K–I</b>			]	MA	TI	RIX	<b>ζ–Ι</b>	I	
	0	1	2	3	4			5	6	7	8	9	
0	Ρ	А	Ι	V	R		5	S	L	Κ	Μ	Ε	
1	Ι	Р	R	А	V		6	Κ	Μ	S	Е	L	
2	2 A R V P I 7 M E L K S												
3	3 V I P R A 8 L K E S M												
4	R	V	А	Ι	Р		9	Е	S	Μ	L	Κ	
	(a)	65	5, 2	23,	14	•,	5	5					
	(b)	86	5, 3	84,	42	;,	6	9					
	(c) 78, 41, 23, 86												
	(d)	57	7, 1	1,	33	١,	90	5					

52. A word is represented by only on set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix-I and numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 00, 23, etc. and 'P' can be represented by 55, 69, etc. Similarly, you have to identify the set for the word given in the question.

## BEAST

		M	AT	'RI	<b>X</b> –	I	]	MA	TI	RIZ	<b>ζ–Ι</b>	I
		0	1	2	3	4		5	6	7	8	9
	0	А	В	С	D	Е	5	Р	Q	R	S	Т
	1	В	С	D	Е	А	6	Q	R	S	Т	Р
	2	С	D	Е	Α	В	7	R	S	Т	Ρ	Q
	3	D	Е	А	В	С	8	S	Т	Р	Q	R
	4	Е	А	В	С	D	9	Т	Р	Q	R	S
(	a)	33	8, 4	2,	58	, 5	5,	87				
(	b)	b) 31, 68, 32, 55, 95										
(	c) 24, 22, 23, 58, 59											
(	d)	42	2, 3	81,	10	, 1	3, '	77				

53. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the matrix given below. The columns and rows of matrix are numbered from 1 to 6. A letter from the matrix can be represented first by its row and next by its column e.g., 'A' can be represented by 42, 62 etc and 'P' can be represented by 15, 43, etc. Similarly, you have to identify the set for the word 'SNOW'

0	1	2	3	4	5	6
1	Η	R	Е	Ι	Р	S
2	S	G	Ν	D	Ζ	J
3	В	U	F	Т	Κ	L
4	V	А	Р	С	Y	А
5	Μ	W	С	0	Х	Ν
6	В	Α	Е	Ι	L	0

- (a) 21, 41, 22, 56
- (b) 21, 56, 62, 44
- (c) 16, 56, 46, 35
- (d) 21, 23, 54, 52
- 54. In the following question, a word is represented by a set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by alphabets as in the matrices given below. The columns and rows of matrix are numbered from 1 to 6. A letter from these matrices can be represented first by its row and next by its column number, e.g., 'A' can be represented by 42, 'S' can be represented by 21, etc. Similarly, you have to identify the set for the word 'PLAY'.

	0	1	2	3	4	5	6					
	1	Η	R	Е	Ι	Р	S					
	2	S	G	Ν	D	Ζ	Ι					
	3	В	U	F	Т	Κ	L					
	4 V A P C Y A											
	5	Η	W	С	0	Х	Ν					
	6	В	А	Е	Ι	L	Q					
(	(a) 43, 36, 42, 23											
(	(b) 43, 32, 33, 33											

- (c) 15, 12, 42, 45
- (d) 43, 65, 62, 45
- 55. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternative are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'D' can be represented by 02, 14, etc., and 'R' can be represented by 57, 76, etc. Similarly, you have to identify the set for the word 'BEST'.

### MATRIX-I

					-							-
	0	1	2	3	4			5	6	7	8	9
0	В	С	D	Е	F		5	Ρ	Q	R	S	Т
1	Е	F	В	С	D		6	S	Т	Р	Q	R
2	С	D	Е	F	В		7	Q	R	S	Т	Ρ
3	F	В	С	D	Е		8	Т	Ρ	Q	R	S
4	D	Е	F	В	С		9	R	S	Т	Р	Q
(0)	(a) 04 00 77 06											

MATRIX-II

- (a) 24, 22, 77, 96
- (b) 24, 22, 76, 97
- (c) 24, 21, 77, 97
- (d) 24, 22, 77, 97
- 56. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of matrix II numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column e.g., 'C' can be represented by 00, 12, 23,etc. and 'M' can be represented by 56, 67, 77 etc. Similarly, you have to identify the set for the given word - GOD.

	M	AT	RI	<b>X</b> -	I	]	MA	TI	RIX	ζ–Ι	I
	0	1	2	3	4		5	6	7	8	9
0	С	D	Е	F	G	5	L	Μ	Ν	0	Р
1	G	D	С	F	Е	6	0	L	Μ	Ν	Р
2	Е	F	G	С	D	7	L	0	Μ	Ρ	Ν
3	G	С	F	D	Е	8	Ν	0	Р	Μ	L
4	D	Е	F	G	Е	9	Р	L	Μ	Ν	0

(a) 10, 11, 65

- (b) 95, 79, 12
- (c) 30, 65, 40
- (d) 00, 10, 75
- 57. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of matrix II numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column e.g., 'B' can be represented by 01. 10, 22, etc. and 'F' can be represented by 55, 76 86, etc. Similarly, you have to identify the set for the given word - CAGE.

MATRIX-I MATRIX-II

		0	1	2	3	4		5	6	7	8	9
I	0	А	В	С	D	Ε	5	F	G	Η	Ι	J
	1	В	С	D	Е	Α	6	G	F	Ι	J	Η
ſ	2	С	D	В	Α	Е	7	Ι	F	G	J	Η
ſ	3	D	С	В	Е	А	8	Η	F	G	Ι	J
I	4	Е	В	А	С	D	9	J	F	G	J	Ι

- (a) 95, 82, 31,14
- (b) 20, 00, 65, 40
- (c) 14, 20, 41, 86
- (d) 00, 21, 41, 95
- 58. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of the alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 1 to 5 and that of Matrix II are numbered from 6 to 10. A letter from these matrices can be represented first by its row and next by its column, e.g., 'L' can be represented first by 14, 33, 42, etc. and 'M' can be represented by 66, 79, 98 etc. Similarly, you have to identify the set for the word given below: PINK

## 

]	MA	TRI	<b>X</b> –1	[	]	MA	TRI	<b>X</b> –1	I
	1	2	3	4		6	7	8	9
1	Ι	J	Κ	L	6	Μ	Ν	0	Р
2	L	Κ	J	Ι	7	Р	0	Ν	Μ
3	J	Ι	L	Κ	8	Ν	Μ	Р	0
4	Κ	L	Ι	J	9	0	Р	М	Ν
5	Κ	Ι	L	J	10	Р	М	0	Ν

- (a) 99, 11, 69, 22
- (b) 69, 99, 11, 34
- (c) 69, 11, 99, 41
- (d) 69, 78, 51, 43
- 59. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'H' can be represented by 02, 20, 43 etc., and 'V' can be represented by 58, 79, 95 etc. Similarly, you have to identify the set for the word given below: SOFT

	M	AT	'RI	<b>X</b> -	I		]	MA	TI	RIX	ζ-Ι	Ι
	0	1	2	3	4			5	6	7	8	9
0	F	G	Η	0	Μ		5	S	Т	U	V	W
1	0	Μ	F	G	Η		6	U	V	W	S	Т
2	Η	Ο	Μ	F	G		7	W	S	Т	U	V
3	G	Η	0	Μ		8	Т	U	V	W	S	
4 M F G H O 9 V W S T U											U	
(0)	(a)  E = 0  0  77											

- (a) 55, 03, 22, 77
- (b) 89, 32, 12, 97
- (c) 68, 11, 12, 97
- (d) 89, 03, 12, 98
- 60. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'E' can be represented by 00, 13, 32, etc., and 'S' can be represented by 55, 76, 87, etc. Similarly you have to identify the set for the word given below: CART

	0	1	2	3	4		5	6	7	8	9
0	Е	Α	R	W	Ρ	5	S	В	Κ	Т	С
1	W	Р	А	Е	R	6	В	С	Т	Κ	S
2	Α	W	Р	R	E	7	Т	S	С	В	Κ
3	Р	R	Е	А	W	8	Κ	Т	S	С	В
4	R	Е	W	Р	Α	9	С	Κ	В	S	Т

- (a) 65, 33, 40, 86 (b) 66, 12, 40, 58
- (c) 88, 44, 31, 89
- (d) 59, 20, 32, 89
- 61. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'N' can be represented by 43, 34 etc., and 'R' can be represented by 97, 68, etc. Similarly, you have to identify the set for the word given 'POLO'.
- - of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'M' can be represented by 42, 31. etc. and 'P' can be represented by 95, 88 etc. Similarly, you have to identify the set for the word given '**ROST**'.

		M	AT	'RI	<b>X</b> -	I	1	MA	TI	RIX	<b>C-I</b>	I
I		0	1	2	3	4		5	6	7	8	9
I	4	Κ	L	Μ	Ν	0	9	Ρ	Q	R	S	Т
I	3	L	Μ	Κ	0	Ν	8	Т	S	Q	Р	R
	2	Ν	0	L	Μ	Κ	7	R	Т	S	Q	Ρ
I	1	Μ	Ν	0	Κ	L	6	S	Р	Т	R	Q
[	0	0	Κ	Ν	L	М	5	Q	R	Р	Т	S

- (a) 56, 44, 67, 40
  (b) 97, 21, 66, 29
  (c) 75, 00, 10, 92
  (d) 68, 33, 65, 58
- 63. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, eg, 'A' can be represented by 40, 01, 13, 32 'etc., and 'N' can be represented by 56, 68, 89 etc. Similarly, you have to identify the set for the word given follow.

## NAD-GDSA

64.

	М	AT	'RI	<b>X</b> –	I	MATRIX-II								
	0	1	2	3	4		5	6	7	8	9			
0	Х	Т	R	Μ	G	5	Ν	Р	S	А	D			
1	Μ	G	Х	Т	R	6	А	D	Ν	Ρ	S			
2	Т	R	Μ	G	Х	7	Ρ	S	Α	D	Ν			
3	3 G X T R M 8 D N P S A 4 R M G X T 9 S A D N P													
4 R M G X T 9 S A D N P														
(a) 86, 87, 99 - 40, 41, 86, 64														
(b) 98, 96, 85 - 42, 78, 88, 77														
(c)	77	, 6	<b>i</b> 9,	76	- 2	22,	95	, 2	8,	31				
(d)	65	5, 5	55,	67	- (	)5,	25	, 9	1,	40				
A٦	voi	d i	s r	epı	ese	ente	ed	by	on	ly c	one			
set of numbers as given in any														
on	e o	f t	he	alt	err	ati	ve	s. '	Th	e s	ets			
of	nu	mł	ber	s g	jive	n i	n t	he	alt	eri	na-			

set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'T' can be represented by 31, 76 etc., and 'T' can be represented by 12, 79 etc., Similarly, you have to identify the set for the word given **LOVE.** 

	M	AT	RI	<b>X</b> –	1	MATRIX-II								
	0	1	2	3	4		5	6	7	8	9			
0	G	V	Е	Α	С	5	R	Е	0	Ν	G			
1	R	Ο	Ν	G	L	6	Ν	Ρ	V	Е	L			
2	Μ	Ν	Е	L	Ι	7	Μ	Т	Ι	0	Ν			
3	0	Т	Ι	Т	А	8	Е	А	Ι	С	0			
4	Ν	L	Ν	Е	Ρ	9	Ν	Т	А	R	L			

- (a) 23, 12, 67, 68
- (b) 69, 78, 76, 86
- (c) 99, 98, 67, 68
- (d) 14, 30, 67, 68
- 65. A word is represented by only one set of number as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 o 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'K' can be represented by 00, 24, 32 etc. and L can be represented by 57, 68, 89 etc. Similarly, you have to identify the set for the given word : **MUTE**

#### MATRIX-I MATRIX-II

						 					_
	0	1	2	3	4		5	6	7	8	9
0	Κ	Ν	Т	U	S	5	Μ	0	L	Е	V
1	S	Κ	U	Т	Ν	6	V	Μ	0	L	Е
2	Т	U	Ν	S	Κ	7	L	Е	Μ	V	0
3	U	S	Κ	Ν	Т	8	Ο	V	Е	Μ	L
4	Ν	Т	S	Κ	U	9	Е	L	V	0	Μ

- (a) 66, 30, 02, 68
- (b) 88, 21, 03, 76
- (c) 66, 03, 20, 95
- (d) 99, 20, 13, 95
- 66. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and 2 to 6 respectively and that of Matrix -II are numbered from 2 to 6 and 7 to 0 respectively. A letter from these matrices can be represented first by its row and next by its column. e.g. 'H' can be represented by 04, 25, 32 etc., and 'N' can be represented by 21,40 59 etc, Similarly, you have to identify the set for the word given below: YEAR

MATRIX-I MATRIX-II

					-						
	2	3	4	5	6		7	8	9	1	0
0	Y	А	Η	Μ	J	5	Е	R	V	Ν	0
1	Μ	J	Η	Α	Y	6	V	Ν	0	Е	R
2	Α	Y	J	Η	Μ	7	0	Е	R	V	Ν
3	Η	J	Y	Μ	А	8	R	V	Ν	0	Е
4	J	Μ	Α	Y	Η	9	Ν	0	Е	R	V

- (a) 23 , 57, 15, 60
- (b) 16, 38, 15, 30
- (c) 34, 31, 32, 28
- (d) 45, 50, 36, 29
- 67. A word is represented by only one set of numbers as given any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 5 and that of Matrix II are numbered from 6 to 10. A letter from these matrices can be represented first its row and next by its column, e.g. 'D' can be represented 11, 25, etc., and 'J' can be represented by 67, 78, etc. Similarly, you have to identify the

S	et M	foi l <b>at</b> i	tł rix	е - I	giv	76	'n	WO M	rd [at:	.'I rix	MI –II	LK
0	1	2	3	4	5		0	6	7	8	9	10
1	D	Е	F	G	Η		6	Ι	J	Κ	L	Μ
2	Η	G	Е	F	D		7	Μ	L	J	Κ	Ι
3	G	F	Е	D	Η		8	Ι	Κ	L	J	M
4	F	Е	D	Η	G		9	J	L	Μ	Κ	Ι
5	Е	D	Η	F	G		10	Κ	Μ	Ι	L	J

- (a) 98, 66, 79, 77
- (b) 98, 79, 77, 86
- (c) 98, 86, 77, 99
- (d) 86, 77, 99, 98
- 68. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'A' can be represented by 03, 34, 86 etc. and 'N' can be represented by 12, 65, 79 etc. Similarly, you have to Identify the set for the given word: REST

	Μ	AT	'RI	<b>X</b> -	I	MATRIX-II							
	0	1	2	3	4		5	6	7	8	9		
0	G	V	Е	Α	С	5	R	Е	0	Ν	G		
1	R	0	Ν	G	S	6	Ν	Р	V	Е	S		
2	Μ	Ν	Е	S	Ι	7	Μ	Т	Ι	0	Ν		
3	0	Т	Ι	Т	Α	8	Ε	А	Ι	С	0		
4	Ν	S	Ν	Е	Р	9	Ν	Т	А	R	S		

- (a) 55, 43, 23, 69
  (b) 98, 56, 31, 77
  (c) 10, 02, 69, 88
- (d) 12, 04, 90, 78
- 69. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix -II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column e.g., 'P' can be represented by 12, 24 etc., and 'O' can be represented by 57, 68 etc. Similarly you have to identify the set for the word given in the question.

## WARD

	M	AT	'RI	<b>X</b> –	I		]	MA	TI	RIX	<b>K–I</b>	I
	0	1	2	3	4			5	6	7	8	9
0	Р	Κ	Е	А	А		5	R	D	0	W	С
1	А	S	Ρ	Κ	Е		6	W	С	R	D	0
2	Κ	Е	А	S	Ρ		7	D	0	W	С	R
3	3 S P K E A						8	С	R	D	0	W
4	Е	А	S	Р	Κ		9	0	W	С	R	D
(0)	E	0	10	6'	7 7	7	=					

(a) 58, 10, 67, 75

- (b) 77, 22, 67, 88
- (c) 96, 42, 79, 87

(d) 89, 34, 86, 96

70. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'I' can be represented by 13, 21, etc. and 'B' can be represented by 57,65, etc. Similarly, you have to identify the set for the word given in question.

'FADE'

	M	AT	'RI	<b>X</b> -	I	]	MA	TI	RIX	<b>K–I</b>	I
	0	1	2	3	4		5	6	7	8	9
0	Ι	Е	А	0	U	5	F	D	В	G	Η
1	Α	0	U	Ι	Е	6	В	G	Η	F	D
2	Е	Ι	0	U	А	7	D	F	G	Η	В
3	0	U	Е	А	Ι	8	G	Η	D	В	F
4	U	А	Ι	Е	0	9	Η	В	F	G	D

(a) 76, 02, 75, 32 (b) 68, 20, 57, 14 (c) 55, 33, 65, 23 (d) 80, 10, 06, 41

- (d) 89, 10, 96, 41
- 71. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., A can be represented by 01, 20, 42 etc, and H can be represented by 65, 57, 98 etc. Similarly, you have to identify the set for the word given in the question.

## FAITH

	Μ	AT	'RI	<b>X</b> -	I		]	MA	TI	RIZ	<b>ζ–Ι</b>	Ι
	0	1	2	3	4			5	6	7	8	9
0	F	А	Ν	0	Ι		5	S	Е	Η	В	Т
1	Ι	0	F	Α	Ν		6	Η	S	Е	Т	В
2	Α	Ν	0	Ι	F		7	В	Т	S	E	Η
3	0	F	Ι	Ν	А		8	Е	Η	Т	В	S
4	Ν	Ι	А	F	0		9	Т	S	Е	Η	В
(a) (b) (c)	) 24 ) 12   32	1,3 2,2 1,3	31, 20, 34,	10 40 23	), 5 ), 6 3, 7	56	9, 5 3, 6	57 55 79				

(d) 43, 42, 41, 78, 89

72. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices given below. The columns and rows of Matrix I are numbered from 1 to 5 and that of Matrix II are numbered from 6 to 10. A letter from these matrices can be represented first by it row and next by its column, e.g., 'A' can be represented by 11, 23, etc, and 'G' can be represented by 67, 78 etc. Similarly, you have to identify the set for the word given below: **BEE** 

	M	AT	'RI	<b>X</b> -	I		]	MA	TI	RIZ	<b>ζ–Ι</b>	I
	1	2	3	4	5			6	7	8	9	10
1	А	В	С	D	Е		6	F	G	Η	Ι	J
2	Е	D	А	В	С		7	J	Ι	G	Η	F
3	В	С	D	Е	А		8	F	Η	Ι	J	G
4	D	А	Е	С	D		9	G	J	F	G	Ι
5	С	Е	В	Α	В		10	Η	Е	J	F	Е
(a)	(a) 12,15,41 (b) 12,21,15											
(c)	52	2,2	0,3	33	(	d	l) 1	21,	12	,22	2	

73. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column e.g., 'A' can be represented by 00, 11, 20 etc. and 'P' can be represented by 59, 68, 75 etc. Similarly, you have to identify the set for the word given below. 'LOAD'

	3	Μ	AT	'RI	<b>X</b> -	I	]	MA	TI	RIX	<b>4</b> –1	I
		0	1	2	3	4		5	6	7	8	ç
- 1												_

		U	Т	4	5	т		J	U	1	0	2
	0	А	В	С	D	Е	5	L	Μ	Ν	0	Ρ
	1	В	А	Е	D	С	6	Μ	L	Ν	Р	О
	2	А	С	D	В	Е	7	Ρ	L	Μ	Ν	Ο
	3	Е	А	D	С	В	8	Р	0	Μ	Ν	L
	4	С	Е	А	D	В	9	Ο	Μ	Р	L	Ν
(	(a)	55	, 4	2	,86	5, 0	)3					
(	(b)	66	, 4	0	,31	l, 1	3					
(	(c)	89	), 8	86,	11	1,9	9					

(d) 76, 95,20, 32

74. A Word is represented by only one set of numbers as gi8ven in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets ads in two matrices given below. The columns and rows of Matrix I are numbered form 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'F' can be represented by 30, 22, etc. and 'N' can be represented by 97, 89, etc. Similarly, you have to identify the set for the given

V	voi	d.	" <b>Ľ</b>	A	ΧU								
		M	AT	'RI	<b>X</b> -	I		]	MA	TI	RIX	<b>ζ–Ι</b>	I
		0	1	2	3	4			5	6	7	8	9
	4	А	F	Κ	Р	U		9	D	Ι	Ν	0	Х
	3	F	Κ	А	U	Ρ		8	Х	S	Ι	Р	Ν
	2	Р	U	F	Κ	А		7	Ν	Х	S	Ν	D
	1	Κ	Ρ	U	А	F		6	S	D	Х	Ν	Ι
	0	U	А	Р	F	Κ		5	Ι	Ν	D	Х	S
(	a) 9	95	, 4	0,	04	, 4	2						
(	b) :	24	, 9	5,	20	,27	7						
(	c) 8	88	, 2	4,	10	, 3 <sup>,</sup>	4						
(	d)	57	,13	8, 2	23,	21	-						
A	۷	voi	d	is	re	pre	e	se	nte	ed	by	7 O	nly

75. one set of numbers as given in any one of the alternatives. The sets of numbers given in alternatives the are represented by two classes of alphabets as in the two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column. e.g. 'A' can be represented by 00, 21, etc. and 'S' can be represented by 58, 98, etc. Similarly, you have to identify the set for the word given below: "SLOW"

	M	АТ	'RI	<b>X</b> –	I	]	MA	TI	RIX	<b>ζ–Ι</b>	I		
	0	1	2	3	4		5	6	7	8	9		
0	Α	Е	Κ	G	L	5	Ν	S	R	S	Т		
1	Η	В	Ι	J	Κ	6	Q	0	Т	U	Х		
2	Μ	А	С	В	С	7	W	Х	Ρ	U	V		
3	D	Е	F	D	L	8	Y	Ζ	Y	Q	Х		
4	4 HIJKE9ZWRSR												
(a)	58	3, 3	34,	66	5, 9	5							
(b	98	8,	04	, 6	6,	96							
(c)	58	8,	34	, 6	6,	76							
(d	98	8,	04	, 6	6,	95							
A	wo	rd	s is	s re	epr	ese	ent	ed	by	7 <b>O</b>	nly		
or	ie s	set	of	nι	ım	ber	's a	as	giv	ven	in		
ar	any one of the alternatives.												
Tł	ne :	set	s	of	nu	mł	ber	s g	giv	en	in		

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The sets of numbers given in the alternatives are represented by two classes of alphabets as in the matrix given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II from 0, 5 to 8. A letter from the matrix can be represented first by its row and next by its column e.g., 'D' can be represented by 03, 10 etc. and 'J' can be represented by 56, 65, etc. Similarly, you have to identify the set for the word '**BLACK**'.

	M	AT	'RI	<b>X</b> –	I	]	MA	TI	RIX	<b>K–I</b>	I
	0	1	2	3	4		0	5	6	7	8
0	Α	В	С	D	Е	0	J	Κ	L	Μ	Ν
1	D	В	Α	Е	С	5	L	Μ	J	Κ	Ν
2	С	А	D	В	Е	6	Ν	J	L	Κ	Μ
3	В	D	Е	С	А	7	Μ	L	Ν	Κ	J
4	Ε	В	С	А	D	8	Κ	Ν	Μ	J	L
(a)	1	1, (	56,	57	7, 2	20,	76				
(b)	20	), '	76,	12	2,5	57,	66				
(c)	6	5,	12,	20	), 1	1,	57				
(d)	1	1, (	56,	12	2, 2	20,	57				

Directions (77-78): 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 numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'E' can be represented by 01, 13, etc. and 'L' can be represented by 56, 77 etc. Similarly, you have to identify the set for the word given in each question.

#### 77. **AIRS**

	Μ	AT	'RI	<b>X</b> –	I	]	MA	TI	RIX	<b>K–I</b>	Ι
	0	1	2	3	4		5	6	7	8	9
0	А	Е	Μ	Ν	Ρ	5	Ι	L	R	S	Т
1	Ν	Р	А	Е	Μ	6	R	S	Т	Ι	L
2	Е	Μ	Ν	Ρ	А	7	Т	Ι	L	R	S
3	Р	А	Е	Μ	Ν	8	L	R	S	Т	Ι
4	Μ	Ν	Р	А	Е	9	S	Т	Ι	L	R
(a) (b) (c) (d)	00 24 43 12	D, 6 4, 6 3, 5 2, 7	58, 59, 55, 76,	78 56 86 99	8, 8 5, 7 5, 9 9, 7	8 8 5 8					

#### 78. LANE

	Μ	AT	'RI	<b>X</b> -	I	]	MA	TI	RIX	<b>K–I</b>	Ι
	0	1	2	3	4		5	6	7	8	9
0	Ζ	Х	S	R	С	5	Х	Κ	Т	Е	S
1	J	L	D	В	G	6	Q	А	U	Y	Р
2	Μ	В	С	Μ	Η	7	U	V	Ο	W	Е
3	R	L	Ν	S	Ι	8	Т	Y	А	Е	U
4	В	D	Μ	R	J	9	Х	0	S	V	А

11,	66,	33,	96	
11,	67,	32,	97	
31,	87,	32,	88	
31,	66,	33,	97	
	11, 11, 31, 31,	11, 66, 11, 67, 31, 87, 31, 66,	11, 66, 33, 11, 67, 32, 31, 87, 32, 31, 66, 33,	11, 66, 33, 96 11, 67, 32, 97 31, 87, 32, 88 31, 66, 33, 97

**Directions (79-80):** In the following two questions, given below are the two matrices each containing two classes of letters from the alphabets. The columns and rows of Matrix I are prime numbered and that of Matrix II are composite numbered. Letter from these matrices can be represented first by its row number and next by its column number. e.g. P can be written as 48, 66, 84 etc. In the following questions identify one set of number pairs out of (1), (2), (3) and (4) which represent the given word.

	MA	TR	IX-	-I	I	ſΑ	<b>FR</b>	<b>X</b> –	II
	2	3	5	7		4	6	8	9
2	Т	R	0	Μ	4	S	Α	Р	Е
3	R	Ο	Μ	Т	6	Е	Р	Α	S
5	Μ	Т	R	Ο	8	Р	S	Е	А
7	0	Μ	Т	R	9	Α	E	S	Р

79. **ROME** 

(a)	57,	55,	52,	88
(b)	23,	25,	27,	49
(c)	64,	35,	33,	32
(d)	96,	73,	77,	72

- 80. **APES** 
  - (a) 46, 48, 49, 44
  - (b) 96, 94, 98, 99
  - (c) 69, 64, 66, 68
  - (d) 84, 86, 89, 88
- 81. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classed of alphabets as in two matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 01, 14, etc., and 'O' can be represented by 59, 67 etc . Similarly, you have to identify the set for the word 'PEARL'

	M	АТ	'RI	<b>X</b> -	I	]	MA	TI	RIX	<b>K–I</b>	I
	0	1	2	3	4		5	6	7	8	9
0	Р	А	G	R	Ζ	5	Ε	Μ	L	Ν	0
1	G	R	Ζ	Р	А	6	L	Е	0	Μ	Ν
2	Ζ	Ρ	А	G	R	7	0	Ν	Е	L	Μ
3	А	G	R	Ζ	Р	8	Ν	0	Μ	Е	L
4	R	Ζ	Р	А	G	9	Μ	L	Ν	0	Е

- (a) 00, 55, 22, 11, 96(b) 00, 66, 14, 32, 56
- (c) 13, 77, 30, 14, 88
- (d) 12, 88, 43, 32, 89
- 82. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'A' can be represented by 01, 14 etc. and 'E' can be represented by 55,66 etc. Similarly, you have to identify the set for the word 'ORGAN'

		M	AT	'RI	<b>X</b> -	I		MATRIX-II								
		0	1	2	3	4			5	6	7	8	9			
	0	Ρ	А	G	R	Ζ		5	Е	Μ	L	Ν	0			
	1 G R Z P A 6 L E O M N															
	2 Z P A G R 7 O N E L M															
	3 A G R Z P 8 N O M E L															
	4 R Z P A G 9 M L N O E															
(	(a)	75	5, C	)3,	11	, 2	2	2, 7	76							
(	(b)	86	, 4	0,	23	3, 1	ŀ	4,	96							
(	(c) 98, 03, 44, 22, 58															
(	(d) 67, 22, 31, 58, 22															
	۸			~ ~	~~~			+	6.04	he		<u> </u>	~ ~			

83. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its columns, e.g. 'A' can be represented by 01, 14 etc. and 'M' can be represented by 56, 68 etc Similarly, you have to identify the set for the word "EAGLE"

	M	AT	'RI	<b>X</b> -	I	MATRIX-II							
	0	1	2	3	4		5	6	7	8	9		
0	Ρ	А	G	R	Ζ	5	Ε	Μ	L	Ν	0		
1	G	R	Ζ	Р	Α	6	L	Е	0	Μ	Ν		
2	Ζ	Р	А	G	R	7	0	Ν	Е	L	Μ		
3	А	G	R	Ζ	Р	8	Ν	0	Μ	Е	L		
4	R	Ζ	Ρ	А	G	9	Μ	L	Ν	0	Е		

(a) 99, 01, 44, 96, 77 (b) 66, 43, 44, 79, 88 (c) 55, 14, 11, 78, 66 (d) 88, 22, 31, 89, 76

84. A word is represented by only one set of numbers 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 two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'A' can be represented by 03, 10 etc. and 'D' can be represented by 58, 65 etc. Similarly, you have to identify the set for the word 'BEAK'

#### MATRIX-I MATRIX-II

		0	1	2	3	4			5	6	7	8	9	
	0	С	В	0	Α	Т		5	R	Е	Κ	D	L	
	1	А	С	Т	В	Ο		6	D	L	R	Е	Κ	
	2	В	0	А	Т	С		7	Е	Κ	D	L	R	
	3	Т	С	В	0	А		8	L	R	Е	Κ	D	
	4	0	А	Т	С	В		9	Κ	D	L	R	Е	
(	(a)	44	, 7	'5,	22	2, 8	3	8						
(	(b)	44	, 8	88,	10	), 7	7	5						

- (c) 20, 10, 87, 57
- (d) 32, 76, 75, 22
- 85. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9 . A letter from these matrices can be represented first by its row and next by its column, e.g. 'A' can be represented by 01, 14 etc. and 'T' can be represented by 55' 68 etc. Similarly, vou have to identify the set for the word 'PERSON'

MATRIX-I	MATRIX-II
MAINA-I	

	_					 					
	0	1	2	3	4		5	6	7	8	9
0	R	А	S	Е	Ν	5	Т	0	Р	Ι	С
1	Ν	Е	S	R	Α	6	С	Р	0	Т	Ι
2	E	Α	R	Ν	S	7	Ρ	0	Т	С	Ι
3	А	S	Ν	R	Е	8	Т	0	Р	Ι	С
4	Е	А	R	Ν	S	9	Ι	Р	0	Т	С

- (a) 66, 03, 10, 33, 56, 03 (b) 96, 12, 32, 40, 77, 34 (c) 75, 20, 43, 04, 98, 42 (d) 87, 11, 22, 24, 67, 04
- 86. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'D' can be represented by 00, 12, etc, and 'P' can be represented by 56, 68 etc. Similarly, you have to identify the set for the word 'FIRE'.

		Μ	AT	RI	<b>X</b> –	I	]	MA	RIX	IX–II			
		0	1	2	3	4		5	6	7	8	9	
	0	D	Е	F	Ι	Ν	5	0	Р	R	S	Т	
	1	Ι	Ν	D	Е	F	6	S	Т	0	Р	R	
	2	Е	F	Ι	Ν	D	7	Ρ	R	S	Т	Ο	
	3	Ν	D	Е	F	Ι	8	Т	0	Р	R	S	
	4	F	Ι	Ν	D	Е	9	R	S	Т	0	Р	
	(a) 02, 03, 57, 01												
	(b)	33	, 3	4,	76	, 2	2						
	(c)	21	, 2	2,	88	, 3	3						
	(d)	14	·, 1	0,	69	, 1	4						
87.	A٦	voi	d i	s r	epı	ese	ent	ed	by	on	ly c	one	•
	set	t o	f n	un	nbe	ers	as	gi	ver	ı iı	n a	ny	-
	on	e o	f tł	ne	alte	ern	ati	ves	s. 7	Γhe	e s	ets	
	of	nu	mł	ber	s g	ive	n i	n t	he	alt	eri	na-	
	tiv	es	a	re	re	pre	ese	nt	ed	by	/ t	wo	)

classes of alphabets as in two Matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented by 03, 12 etc., and 'M' can be represented by 55, 67 etc. Similarly, you have to identify the set for the word 'RUDE'

	M	AT	'RI	<b>X</b> -	I	MATRIX-II							
	0	1	2	3	4		5	6	7	8	9		
0	В	D	Е	Т	0	5	Μ	U	Ι	L	R		
1	D	Е	Т	0	В	6	U	L	М	R	Ι		
2	Е	В	0	D	Т	7	Ι	Μ	R	U	L		
3	Т	0	В	Е	D	8	L	R	U	Ι	Μ		
4	0	Т	D	В	Е	9	R	Ι	L	Μ	U		

(a) 59, 99, 34, 11

- (b) 77, 56, 02, 01
- (c) 95, 87, 42, 12
- (d) 56, 65, 10, 33
- 88. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., M can be represented by 01, 10 etc. and A can be represented by 56. 65 etc. Similarly, you have to identify the set for the word **ROD**.

	0	1	2	3	4			5	6	7	8	9	
0	Ι	Μ	W	S	Q		5	0	А	D	R	Ν	
1	Μ	W	S	Q	Ι		6	А	D	R	Ν	0	
2	W	S	Q	Ι	Μ		7	D	R	Ν	0	А	
3	S	Q	Ι	Μ	W		8	R	Ν	0	А	D	
4	4QIMWS 9NOADR												
(a) 58, 66, 78 (b) 67, 96, 57													

(c) 56, 66, 86 (d) 58, 69, 65

89. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column. e.g., 'M' can be represented by 01, 10 etc., and 'R' can be represented by 58, 85 etc. Similarly, you have to identify the set for the word 'NOW'.

#### MATRIX-I MATRIX-II

	0	1	2	3	4		5	6	7	8	9
0	Ι	Μ	W	S	Q	5	0	Α	D	R	Ν
1	Μ	W	S	Q	Ι	6	Α	D	R	Ν	0
2	W	S	Q	Ι	Μ	7	D	R	Ν	0	Α
3	S	Q	Ι	Μ	W	8	R	Ν	0	А	D
4	Q	Ι	Μ	W	S	9	Ν	0	Α	D	R
(a)	95	5, 6	57,	02	2 (1	с)	86	, 58	8, 1	11	
(c)	55	5,7	78,	11	. (0	d)	95	, 5	5, 3	34	

90. A word is represented by only one set of numbers as given in any

one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered form 5 to 9. A letter form these matrices can be represented first by its now and next by its column, e.g., 'A' can be represented by 03, 12 etc., and 'N' can be represented by 56, 65 etc. Similarly, you have to identify the set for the word 'DRAW'.

		M	AT	'RI	<b>X</b> –	I	MATRIX-II								
		0	1	2	3	4			5	6	7	8	9		
	0	D	0	В	Α	Ι		5	W	Ν	R	Μ	L		
	1	0	В	А	Ι	D		6	Ν	R	Μ	L	W		
	2 B A I D O 7 R M L W N														
	3	А	Ι	D	Ο	В		8	Μ	L	W	Ν	R		
	4	Ι	D	0	В	А		9	L	W	Ν	R	Μ		
(	(a)	14	, 8	9,	12	2, 7	7	8							
(	(b) 41, 66, 23, 55														
(	(c) 32, 75, 44, 76														
(	(d) 23, 57, 30, 68														

91. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'I' can be represented first by its row and next by its column, e.g., 'T' can be represented by 00, 14 etc., and 'N' can be represented by 59, 68 etc. Similarly, you have to identify the set for the word 'ROAD'.

	0	1	2	3	4		5	6	7	8	9
0	Ι	Μ	W	S	Q	5	Ο	А	D	R	Ν
1	1 MWSQI 6 ADRNO										
2	2 W S Q I M 7 D R N O A										
3	S	Q	Ι	Μ	W	8	R	Ν	0	Α	D
4	Q	Ι	Μ	W	S	9	Ν	0	А	D	R
(a)	67	7, 9	6,	56	, 5	7					
(b)	56	6, 6	57,	57	, 9	6					

(c) 67, 57, 96, 56 (d) 96, 67, 56, 57

92. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'B' can be represented by 00, 23 etc., and 'P' can be represented by 56, 65 etc. Similarly, you have to identify the set for the word 'DEBRIS'.

		M	AT	'RI	<b>X</b> -	I		]	MA	TI	RIX	<b>ζ–Ι</b>	I		
		0	1	2	3	4			5	6	7	8	9		
	0	В	U	Ι	L	D		5	S	Ρ	А	R	E		
	1	U	Ι	L	D	В		6	Р	А	R	Е	S		
	2 I L D B U 7 A R E S P														
	3	$\begin{array}{c} 2 \\ 3 \\ L \\ D \\ B \\ U \\ I \\ \end{array} \begin{array}{c} 0 \\ B \\ C \\ B \\ C \\ B \\ C \\ C \\ C \\ C \\ C$													
	4	D	В	U	Ι	L		9	Е	S	Р	А	R		
	(a)	40	, 9	95,	14	ŀ, 5	59	9, 3	30	, 6	9				
(	(b)	22	, 5	59,	42	2, 5	59	9, 3	34	, 6	9				
	(c)	40	, 9	95,	14	ŀ, 5	58	8, 3	34	, 6	9				
	(d)	22	, 9	95,	59	9, 3	6(	Э,	14	, 6	9				

93. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I and numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 03, 14 etc. and 'U' can be represented by 56, 65 etc. Similarly, you have to identify the set for the word 'BRIDE'.

	M	AT	'RI	<b>X</b> -	I		]	MA	TI	RIZ	<b>ζ–Ι</b>	I		
	0 1 2 3 4 5 6 7 8 9 E S P A R 5 B U I L D													
0	Е	S	Ρ	А	R		5	В	U	Ι	L	D		
1	R	Е	S	Р	Α		6	U	Ι	L	D	В		
2	А	R	Е	S	Ρ	7	Ι	L	D	В	U			
3	Р	А	R	Е	S		8	L	D	В	U	Ι		
4	S	Р	А	R	E		9	D	В	U	Ι	L		
	(a) (b) (c)	55 96 96	5, 5 5, ( 5, (	57, 03, 03,	21 75 75	, 10 10	22 , 8 , 6	2, 8 5, 57,	36 22 22	2				

(d) 55, 21, 57, 86, 22

94. A word is represented by only set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 02,11 etc., and 'L' can be represented by 56, 67 etc. Similarly, you have to identify the set for the word 'BEARD'.

	M	АТ	'RI	<b>X</b> -	I		]	MA	TI	RIZ	<b>۲–۱</b>	I	
	0	1	2	3	4			5	6	7	8	9	
0	S	Р	А	R	Е		5	D	L	Ι	U	В	
1	1 P A R E S 6 B D L I U												
2	2 A R E S P 7 U B D L I												
3	R	Е	S	Р	А		8	Ι	U	В	D	L	
4	Е	S	Р	А	R		9	L	Ι	U	В	D	
(a)	88	8, 1	13,	43	3,4	ł	4,	21					
(b)	(b) 88, 87, 43, 21, 13												
(c)	(c) 87, 13, 43, 21, 88												

(d) 87, 13, 43, 88, 21

95. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 3 and that of Matrix II are numbered from 4 to 7. A letter from these matrices can be represented first by its row and next by its column, e.g., 'D' can be represented by 01 and 'R' can be represented by 44. Similarly, you have to identify the set for the word 'TALE'.

N	IA1	<b>`RI</b>	<b>X</b> –]	[		N	IA1	'RI	<b>X</b> –1	Ι
	0	1	2	3			4	5	6	7
0	А	D	G	Η		4	R	U	В	0
1	Р	S	V	Ζ		5	Ν	W	J	Х
2	С	F	Ι	Μ		6	Т	Κ	S	G
3	Т	L	Е	Q	7	Ι	Η	А	F	
(a (1 (a (a	a) 6 b) 4 c) ( d) 3	54, 16, 00, 30,	00, 13, 31, 76,	, 31 , 00 , 64 , 23	, ), ⊦,	32 23 32 32				

## ANSWER KEYS

(Exercise-I)

1. 2. 3.	(a) (b) (a)	4. 5. 6.	(a) (b) (d)	7. 8. 9.	(b) (b) (a)	10. 11. 12.	(a) (b) (d)	13. 14. 15.	(c) (c) (c)	16. 17. 18.	(b) (d) (b)	1 2 2	9. 0. 1.	(d) (c) (b)	22 23 24	2. (d) 3. (a) 4. (c)	25.	(d)			
								(	Exercis	e-II)											
1. 2. 3.	(c) (d) (c)	4. 5. 6.	(a) (c) (a)	7. 8. 9.	(a) (b) (d)	10. 11. 12.	(b) (c) (d)	13. 14. 15.	(b) (c) (c)	16. 17. 18.	(d) (c) (b)		19. 20. 21.	(d) (c) (d)	22 23 24	2. (c) 3. (d) 4. (d)	25. 26. 27.	(d) (d) (c)		28.	(a)
								(1	Exercise	e-III)											
1. 2. 3.	(d) (d) (b)	4. 5. 6.	(b) (c) (a)	7. 8. 9.	(a) (c) (b)	10. 11. 12.	(d) (a) (b)	13.	(a)			l							l		
								(1	Exercise	e-IV)											
1. 2. 3.	(b) (c) (b)	4. 5. 6.	(b) (b) (c)	7. 8. 9.	(d) (d) (a)	10. 11. 12.	(d) (c) (a)	13. 14. 15.	(d) (a) (d)	16. 17. 18.	(d) (d) (d)		19. 20. 21.	(c) (b) (d)	22 23 24	2. (d) 3. (c) 4. (b)	25. 26. 27.	(d) (d) (c)		28. 29. 30.	(d) (d) (c)
								(	Exercis	e-V)											
1. 2. 3. 4. 5. 6. 7. 8. 9.	(d) (c) (a) (b) (d) (a) (c) (a) . (a)	11. 12 13 14 15 16 17 18 19 20	(b) (d) (c) (b) (b) (b) (a) (a) (a) (a) (c)	21. 22. 23. 24. 25. 26. 27. 28. 29. 30.	(b) (d) (a) (b) (b) (c) (b) (a) (c)	31. 32. 33. 34. 35. 36. 37. 38. 39. 40.	(a) (d) (c) (c) (b) (d) (b) (b) (b)	41. 42. 43. 44. 45. 46. 47. 48. 49. 50.	(d) (c) (a) (b) (a) (d) (a) (d) (a) (c)	51. 52. 53. 54. 55. 56. 57. 58. 59. 60.	(d) (c) (d) (d) (d) (c) (b) (c) (d) (b)	6 6 6 6 6 6 6 7	1. ( 2. ( 3. ( 5. ( 6. ( 7. ( 8. ( 9. (	(b) (d) (d) (c) (a) (c) (d) (a) (a)	71 72 73 74 75 76 77 78 79 80	. (c) . (c) . (d) . (d) . (b) . (d) . (c) . (c) . (b) . (a)	<ul> <li>81.</li> <li>82.</li> <li>83.</li> <li>84.</li> <li>85.</li> <li>86.</li> <li>87.</li> <li>88.</li> <li>89.</li> <li>90.</li> </ul>	<ul> <li>(a)</li> <li>(c)</li> <li>(a)</li> <li>(d)</li> <li>(a)</li> <li>(b)</li> <li>(d)</li> <li>(a)</li> </ul>	9 9 9 9	1. (( 2. () 3. () 4. () 5. ()	a) c) d) c) a)
								S	OLUT	ION			•	. ,							

TYPE -I

3.

4.

- (a) LUTE, FATE, BLUE 1. +1 +1 +1 MUTE, GATE, CLUE (b) M A D R A S 2. +1 +1 +1 +1 +1 +1 +1 +1Ň B E S B T ВОМВАҮ  $\begin{array}{c|c} +1 & +1 & +1 & +1 & +1 & +1 \\ \hline \mathbf{V} & \mathbf{V} & \mathbf{V} & \mathbf{V} & \mathbf{V} \\ \mathbf{C} & \mathbf{P} & \mathbf{N} & \mathbf{C} & \mathbf{B} & \mathbf{Z} \end{array}$

(a) F I S H $-1 \downarrow -1 \downarrow -1 \downarrow -1 \downarrow$ 5. (b) R O A D ĖĤRĠ  $\begin{array}{c} S \quad W \quad A \quad N \\ +3 & +3 & +3 & +3 \\ V \quad Z \quad D \quad Q \end{array}$ (a)  $\begin{bmatrix} T & W & I & N & K & L & E \\ -1 & -1 & -1 & -1 & -1 & -1 & -1 \\ \end{bmatrix}$ 6. (d) O P E R A T I O N -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1N O D Q Z S H N M SVHMJKD  $\begin{array}{c} F & I & L & T & E & R & S \\ -1 & -1 & -1 & -1 & -1 & -1 & -1 \\ \end{array}$ EHKSDQR

7.	(b) $ \begin{array}{c} F & A & V & O & U & R \\ -1 & +1 & -1 & +1 & -1 & +1 \\ E & B & U & P & T & S \end{array} $	14. (c) G L A M O U R $\begin{vmatrix} +2 \\ -2 \\ +2 \end{vmatrix} \begin{vmatrix} +2 \\ +2 \end{vmatrix} \begin{vmatrix} +1 \\ -2 \\ +2 \end{vmatrix} \begin{vmatrix} +2 \\ +2 \\ +2 \end{vmatrix} \begin{vmatrix} -2 \\ +2 \\ +2 \\ +2 \end{vmatrix} \begin{vmatrix} -2 \\ +2 \\ +2 \\ +2 \end{vmatrix} \begin{vmatrix} -2 \\ +2 \\ +2 \\ +2 \\ +2 \\ +2 \end{vmatrix} \begin{vmatrix} -2 \\ +2 \\ +2 \\ +2 \\ +2 \\ +2 \\ +2 \\ +2 \\$	21. (b) G R A S P $-5 \mid -5 \mid$
	$ \begin{array}{c} D & A & N & G & E & R \\ \hline -1 & +1 & -1 & +1 & -1 & +1 \\ C & B & M & H & D & S \end{array} $	$ \begin{array}{c} M \ I \ S \ R \ U \ L \ E \\ +2 \left  -2 \right  +2 \left  +1 \right  -2 \left  +2 \right  -2 \right  \\ \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow -2 \left  +2 \right  -2 \right  \\ O \ G \ U \ S \ S \ N \ C \\ \hline \end{array} $	$\begin{array}{c} C  R  A  N  E \\ -5  -5  -5  -5  -5  -5 \\ X  M  V  I  Z \end{array}$
8.	(b) $\begin{array}{c} S & U & M & M & E & R \\ -1 & 0 & +1 & +1 & 0 & 0 \\ R & U & N & N & E & R \end{array}$	1 O P I C A L $+2  -2  +2  +1  -2  +2  -2 $ $V M R J A C J$ $15 (c) B E L I E F$	22. (d) C O V E T +3 +3 +3 +3 +3 +3 F R Y H W P F A R L
	$ \begin{array}{c} W & I & N & T & E & R \\ -1 & 0 & +1 & +1 & 0 & 0 \\ V & I & O & U & E & R \end{array} $	$ \begin{array}{c} -1 \\ -1 \\ +1 \\ -1 \\ +2 \\ -1 \\ +2 \\ -1 \\ +3 \\ +3 \\ +3 \\ +3 \\ +4 \\ +2 \\ +1 \\ +3 \\ +4 \\ +3 \\ +4 \\ +4 \\ +2 \\ +1 \\ +3 \\ +4 \\ +4 \\ +4 \\ +4 \\ +4 \\ +4 \\ +4$	$ \begin{array}{c}     +3 +3 +3 +3 +3 +3 \\     +3 +3 +3 +3 \\     S H D U O \\     23. (a) T R I A N G L E \end{array} $
9.	(a) P R O D U C T I O N S +1 -1 +1 -1 +1 +2 +1 -1 +1 +1 +1  Q Q P C V E U H P M T O R I E N T A T I O N	$ \begin{array}{c} -1 + 1 - 1 + 2 - 1 + 3 \\ \downarrow \downarrow$	$ \begin{array}{c} -1 \left  -1 \right  -1 \left  -1 \right  -1 \left  -1 \right  -1 \left  -1 \right  \\ S  Q  H  Z  M  F  K  D \\ E  X  A  M  P  L  E \end{array} $
10.	$\begin{array}{c} +1 \\ +1 \\ -1 \\ +1 \\ +1 \\ +1 \\ +1 \\ +1 \\$	$\begin{array}{c} \downarrow \downarrow$	$\begin{array}{c} -1 & -1 & -1 & -1 & -1 & -1 \\ & D & W & Z & L & O & K & D \\ \end{array}$ 24. (c) S W I T C H
	$ \begin{array}{c} -2 \\ -2 \\ -2 \\ -2 \\ -2 \\ -2 \\ -2 \\ -2 $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} +1 & -1 & +1 & -1 & +1 & -1 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ T & V & J & S & D & G \\ B & R & E & A & D \\ +1 & -1 & +1 & -1 & +1 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ \end{array} $
	Y PE S C D I A G R A M -2 -2 -2 -2 -2 -2 -2  B G Y E P Y K	$\begin{array}{c} B & K & Q & D & V & E \\ +2 & +2 & +2 & +2 & +2 & +2 \\ & & & & & & & & \\ D & M & S & F & X & G \end{array}$	25. (d) $\frac{DE}{1} \frac{CE}{2} \frac{MB}{3} \frac{ER}{4}$ $\frac{4}{3} \frac{3}{2} \frac{2}{1}$
11.	(b) B A S I C +2 +3 +2 +3 +2 D D U L E	18. (b) ROBUST -1 - 1 - 1 - 1 - 1 - 1 - 1 Q N A T R S A Y D N O	$\begin{array}{cccc} ER & MB & CE & DE \\ \hline NO & VE & MB & ER \\ \hline 1 & 2 & 3 & 4 \\ \hline 4 & 3 & 2 & 1 \end{array}$
10	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} A & Y & D & N & Q \\ -1 & 1 & -1 & -1 & -1 \\ Z & X & C & M & P \end{array} $	$\frac{1}{ER} \frac{0}{MB} \frac{1}{VE} \frac{1}{NO}$ <b>TYPE -II</b>
12.	(d) S I G H T +13 +13 +13 +13 +13 +13 $\downarrow$ F V T U G	19. (d) E H F N R Q -3   -3   -3   -3   -3   -3   -3   -3	1. (c) The colour of the human blood is 'red' and as given, 'red' is called 'yellow'. So, the colour of human blood is 'yellow'
13	$ \begin{array}{c} R  E  V  E  A  L \\ +13 +13 +13 +13 +13 +13 +13 \\ E  R  I  R  N  Y \end{array} $ (c)	$\begin{array}{c}                                     $	<ul> <li>2. (d) 'Chillies' are green colour and as given, 'chillies' are 'bananas'. So, 'bananas' are green in colour.</li> </ul>
10.	$ \begin{array}{c} (C) \\ M \\ 1 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ +6 \\ +7 \\ +7 \\ +7 \\ +7 \\ +7 \\ +7 \\ +7$	R E F R I G E R A T O R 1 2 3 4 5 6 7 8 9 10 11 12 12 11 10 9 8 7 6 5 4 3 2 1 R O T A R E G I R F E R	<ul> <li>3. (c) A person will sit on a 'chair' but a 'chair' is called 'roof'. So, a person will sit on the 'roof'.</li> </ul>
	$ \begin{array}{ccccc} G & A & M & B & L & E \\ +1 & +2 & +3 & +4 & +5 & +6 \\ & & & & & & & & & \\ & & & & & & & & $	N O I T I N U M M A 1 2 3 4 5 6 7 8 9 10 10 9 8 7 6 5 4 3 2 1 A M M U N I T I O N	<ol> <li>(a) Cricket is played with a 'bat' and 'bat' is called 'racket'. So, cricket is played with a 'racket'.</li> </ol>

- (c) Birds fly in the 'sky' and as 5. given, 'sky' is 'star'. So, birds fly in the 'star'.
- 6. (a) A man sleeps on a "bed' and as given, 'bed' is called 'window'. So, a man will sleep on the 'window'.
- (a) Clearly, a 'bag' is used to carry 7. the books but a 'bag' is called 'dictionary'. So, a 'dictionary' will be used to carry the books.
- (b) 'Mat' will be spread on the 8. floor. But 'mat' is called 'bedsheet'. So, a 'bedsheet' will be spread on the floor.
- (d) Clearly, 'soap' is used for 9. washing the clothes. But, 'soap' is called 'ink'. So, 'ink' is used for washing the clothes.
- 10. (b) A woman shall draw water from a 'well' but a 'well' is called 'island'. So, the woman will draw water from an 'island'.
- 11. (c) Clearly, a 'cassette' is played in the tape-recorder. But, a 'cassette' is called 'table'. So, a 'table' will be played in the tape-recorder.
- 12. (d) The colour of clear sky is 'blue'. But, as given, 'Blue' means 'White'. So, the aeroplanes fly in the clear sky whose colour is white
- 13. (b) aeroplanes fly in the sea
- 14. (c) A fruit grows on a 'tree' and 'tree' is called 'sky'. So, a fruit grows on the 'sky'.
- 15. (c) Fishes live in 'water' and as given, 'water' is called 'colour'. So, fishes live in 'colour'.
- 16. (d) A 'tractor' is used to plough a field. But a 'tractor' is called 'car'. So, a 'car' will be used to plough the field.
- 17. (c) Clearly, a 'nib' is fitted in the pen to write with it. But 'nib' is called 'needle'. So, a 'needle' will be fitted in the pen.
- 18. (b) We sleep in the 'night'. But 'night' is called 'sunshine'. So, we sleep in the 'sunshine'.
- 19. (d) The king of flowers is the

'lotus'. But 'lotus' is called 'gladiola'. So, 'gladiola' is the king of flowers.

3.

- 20. (c) Clearly, 'dog' is reared as pet. But 'dog' is called 'mongoose'. So, 'mongoose' is reared as pet.
- 21. (d) The colour of milk is 'white'. But, as given, 'green' means 'white'. So, the colour of milk is 'green'
- 22. (c) The furniture is made up of 'wood' and as given, 'wood' is called 'straw'. So, the furniture is made up of 'straw'.
- 23. (d) A 'butler' serves in a restaurant but 'butler' is called 'rogue'. So, a 'rogue' will serve in the restaurant.
- 24. (d) Clearly, an illiterate man puts his 'thumb' to mark his signatures. But, as given, 'thumb' is called' ankle' to mark his signature.
- 25. (d) A person will stand on the 'floor' and 'floor' is called 'roof'. So, a person will stand on the 'roof'.
- 26. (d) A child will write with a 'pencil' and 'pencil' is called 'sharpener'. So, a child will write with a 'sharpener'.
- 27. (c) The lady shall bake in an 'oven' but 'oven' is called 'grinder'. So, the lady will bake in a 'grinder'.
- 28. (a) One drinks 'water' when one is thirsty. Since' water' is called 'light' on the other planet, so one would drink 'light' when one is thirsty there.

## TYPE -III

- 1. (d) Vowel A, E, I, O, U is coded as 1, 2, 3, 4, 5 respectively each of the consonant in the word is moved 1 step forward So code for ACID **b** 1D3E
- (d) A 1, B 3, C 5, D 7, E 9, 2.F – 11, G – 13, H – 15, I – 17, J -19, K-21, L-23, M-25, N-27



(b) Each letter is coded by the numeral denoting its position in the English alphabet.

LADY Þ 12 – 1 – 4 – 25

4. (b) Each letter is assigned a numerical value which is twice the numerical denoting Its position in the English alphabet.

> $BET = (2 \times 2) + (5 \times 2) + (20 \times 2) =$ 54

5. (c) opposite letter position Opposite of

Α Ζ Ε V Ι R \_ \_ \_ \_ 1 26 5 22 9 18 Y F В U J Q \_ \_ \_ 2 25 6 2110 17 С Х G Т Κ Ρ \_ \_ \_ \_ \_ 24 7 20 3 11 16 D W Η S L Ο \_ \_ \_ \_ \_ 4 23 8 19 12 15 Μ Ν 13 14 С А Т \_ Х Ζ G 24 + 26 + 7 = 57(a) B A L L 2 + 1 + 12 + 12 = 27(a) G Ο \_ Т L 20 + 12 = 32S Η Е \_ \_ \_ Η S V = 490 S Е Μ V Н L Ν 8 + 12 + 14 + 22 = 56 (c) AT = 20,  $BAT = 20 \times 2 = 40$ 8. Therefore,  $CAT = 20 \times 3 = 60$ 9. (b) By taking reverse of the given letter and then by adding 1 in

their number place.

6.

7.

$$Z I P = (Z + I + P) \times 6$$
  
= (2 + 19 + 12) × 6 = 198  
VI P = (V + I + P) × 6  
(6 + 19 + 12) × 6 = 222  
10. (d) H E E L  
5 2 2 9  
11. (a) HOTEL =  $\frac{H+O+T+E+L}{5}$ ,  
 $\frac{8+15+20+5+20}{5} = \frac{60}{5} = 12$   
LAMB =  $\frac{L+A+M+B}{4}$ ,  $\frac{12+1+13+2}{4}$   
=  $\frac{28}{4} = 7$   
12. (b) Z E B R A  
- - - - - -  
26 5 2 18 1 = 2652181  
C O B R A  
- - - - -  
3 15 2 18 1 = 3152181  
13. (a) The opposite of W is D, D's  
position is = 4  
The opposite of O is L L's  
position is = 12  
The opposite of R is I I's  
position is = 9  
The opposite K is P p's position  
is = 16  
The same way W - D = 4  
O - L = 12  
M - N = 14  
A - Z = 26  
N - M = 13  
**TYPE -IV**  
**Direction(1-5) :** rising prices are  
main problem @ ku poo qi da su  
..... (1) control the prices rising  
more rapidly @ ja qi chi nic poo  
dic..... (2)control inflation problem  
@ da chi pic ..... (3)more prices  
affect badly @ nic ra poo mo .....

ku ra ..... (5) From(1) and (5), are
® ku
(1) and (4), prices ® poo
(2) and (4), more ® nic
(1) and (3), problem ® da
(2) and (3), control ® chi
(1) and (2), rising ® qi
(2) and (5), rapidly ® dic
Now, from (2), the ® ja
From (1), main ® su

(4) poors are rapidly affect ® tic dic

From (3), inflation ® pic From (4) and (5), affect ® ra From (5), poors ® tic From (4), badly ® mo 1. (b)2. (c) 3. (b) Control Badly Affect problems chi mo da ra 4. (b)rising inflation are main concern phi qi pic ku su 5. dic (b) nic ra poo more rapidly affect prices (6 - 10)nuclear plants are sale ® tic da pic ki .... (1) conserve sale nuclear energy ® pic ra ki su .... (2) new plants conserve radiation ® ba su tic mo .... (3) prevent from nuclear radiation ® gi mo ki fa .... (4) From (1) and (3), plants ® tic From (1) and (4), nuclear ® ki From (2) and (3), conserve 
 su From (1) and (2), safe 
 pic So, from (1), are 
 da From (3) and (4), radiation ® mo From (3), new ® ba From (4), prevent from ® gi fa From (2), energy 
 ra 6. (c) 7. (d) 8. (d) new energy from plants gi or fa tic ba ra ba 9. (a) pic mo da safe new radiation are 10. (d) new nuclear deal from America  $\mathbf{\Lambda}$  $\mathbf{1}$  $\mathbf{1}$  $\mathbf{1}$  $\mathbf{1}$ ki chi ba nic gi or fa New code New code for new for new word word (11 - 15)

more money in market ® zo li

aa to ... (1) share in market profit 
 vo to je li ... (2) making more profit now ® su je zo ka ... (3) Now the market gains ® do li yo su ... (4) From (1) and (4), market ; R li From (1) and (3), more 
 zo From (1) and (2), in  $\mathbb{R}$  to So from (1) money ® aa From (2) and (3), profit 
 je So from (2), share  $\otimes$  vo From (3) & (4) now ® su From (3), making 
 ka From (4), the gains 
 do yo So, gains ® do or yo 11. (c) 12. (a) 13. (d) 14. (a) 15. (d) to li ka aa in making market money (16-20):global recession is critical phase ® su zo ti ra mo .... (1) recession affects economy ® chi mo nic .... (2) global economy going down ® fa nic ti ye .... (3) hiked rates down growth ® phi ye koo da .... (4) critical rates 
 su phi .... (5) From (1) and (2), recession ® mo From (1) and (3), global ® ti From (1) and (5), critical ® su Now, from (1), is phase 
 zo ra So, phase 
 either zo or ra From (2) and (3) / economy ® nic From (3) and (4), down ® ye Now, from (3), going 
 fa 16. (d)

- 17. (d)
- 18. (d) From (2), affects 
   chi
   From (4), and (5), rates 
   phi
   So, from (4), hiked growth 
   koo
   or da

Þ growth ® either koo or da Critical rates affect growth

	-	-	-	-
	su	phi	chi	da or koo
19.	(c) mo	ye	su	phi
	_	-	-	-
	recession	dow	n crit	ical rates
20.	(b) Wo	rld	is	overcome
	$\downarrow$		$\downarrow$	$\downarrow$
	an new o	y code	zo or	any new
	say '	pic'	Ia	vo'
	through	ı criti	cal ph	ase
	↓ anv new	√ ≀ \$11		ro ra
	code say	/ 3u	L 20	1012
	ʻbi'	a a i b l a	anda	ia luia za na
	vo su bi	JSSIDIE	code	is pic zo ra
(21-	-25):-			
	launch	prosec	cution	in corrup-
	tion cas	es ® j	jo ti pi	c su nic
	(1)	1	1	o 1' 1
	India lau	(2)	ewlaw	s ® dic sha
	new case	es to in	vestiga	nte ® za pic
	dic kee .	(3)		··· - ·· <b>·</b>
	corrupti	on cur	bs law	rs 🗷 chi ba
	nic (4	1)		
	From (1)	and (	2), lau	nch ® ti
	From (1)	and (	3), cas	es ® pic
	From (1)	) and (	4), cor	ruption ®
	Now fro	m (1)	prosec	ution in R
	jo su	(-),	p10000	
	Þ prose	cution	® eith	ner 'o' or 'su'
	Thus, w	ve can	't dete	ermine the
	exact co	de for	prose	cution'.
	From (2)	and (	3), nev	v ® dic
	From (2)	) and (	4), law	rs ® chi
	Now, fro	m (2),	India	® sha
	From (3)	, to inv	vestiga	te ® za kee
	So, eithe	er 'to' (	or 'inve	estigate' ®
21.	(d)			
22.	(d)			
23.	(c) From	(4), cı	ırbs ®	ba
	India	curb	s	cases
	-	_		-
04	sha	ba		pic
24.	(b) pic _	ua _		- -
	cases	arise		laws
		_		

(A new word for a new code)

(d)		
transparency	in	new
_	_	-
mac –	'jo' or 'su'	dic
ew word for ne	w code)	

(A new word for new code) prosecution

'su' or 'jo'

## (26-30):

25.

Cool waves chilled weather ® ti chi su pic .... (1) January is cool month ® ro mo su da .... (2) lovely month chilled season ® mo pic ki nic .... (3) December is cool season ® su nic ro ne .... (4) From (1) and (2), cool 
 su From (2) and (3), month 
<sup>®</sup> mo From (1) and (3), chilled 
 pic From (2) and (4), is R ro So, from (2), January ® da From (1), waves weather ® ti chi So, find exact code for 'weather'. It may be either 'ti' or 'chi'. 26. (d) 27. (c) 28. (d) From (3) and (4), season ® nic So, from (3), lovely ® ki From (4), December ® ne

- Chilled December
- pic nic 29. (d) ki su ro – – – lovely cool is 30. (c)

dense fog lovely weather

any new any new ki 'ti' or 'chi' code code

## TYPE -V

- (d) From matrix I,M can be coded as 02, 14, 21, 33 or 40. From matrix I, O can be coded as 01, 13, 20, 32 or 44. From matrix I, S can be coded as 03, 10, 22, 34 or 41, from matrix II, T can be coded as 56, 68, 75, 87 or 99. Clearly, (d) is the only set of correct codes.
   (c) From matrix I, R can be coded
- 2. (c) From matrix I, R can be coded as 04, 11, 23, 30 or 42.

From matrix I, O can be coded as 01, 13, 20, 32 or 44.

- From matrix II, A can be coded as 55, 67, 79, 86 or 98. From matrix II, D can be coded
- as 57, 69, 76, 88 or 95. Clearly only (c) contains the
- correct codes.
- 3. (a) From matrix I, S can coded as 03, 10, 22 34 or 41.
  From matrix II, T can be coded as 56, 68, 75, 87 or 99.
  From matrix I, O can be coded as 01, 13, 20, 32 or 44.
  From matrix II, P can be coded as 59, 66, 78, 85 or 97.
- 4. (b) Form matrix I, F can be coded as 00, 12, 24, 31 or 43
  From matrix I, O can be coded as 01, 13, 20 32 or 44.
  From matrix II, A can be coded as 55, 67, 79 86 or 98.
  From matrix I, M can be coded as 02, 14, 21, 33 or 40.
- 5. (d) From matrix I, E can be coded as 01, 13, 20, 32 or 44.
  From matrix I, A can be coded as 00, 12, 24, 31 or 43
  From matrix I, S can be coded as 02, 14, 21, 33 or 40.
  From matrix I, T can be coded as 03, 10, 22, 34 or 41.
- 6. (a) From matrix II, R can be coded as 57, 69 76, 88 or 95.
  From matrix II, O can be coded as 56,68 75, 87 or 99.
  From matrix I, S can be coded as 02, 14, 21, 33 or 40.
  From matrix I, E can be coded as 01, 13, 20, 32 or 44.
- 7. (b) From matrix I, S can be coded as 02, 14, 21, 33 or 40.
  From matrix II, O can be coded as 56, 68, 75, 87 or 99.
  From matrix II, L can be coded as 59, 66, 78, 85 or 97.
  From matrix I, E can be coded as 01, 13, 20, 32 or 44.
- 8. (c) From matrix II, L can be coded as 59, 66, 78, 85 or 97.
  From matrix I, A can be coded as 00, 12, 24, 31 or 43.
  From matrix II, K can be coded as 58, 65, 77, 89 or 96.
  From matrix I, E can be coded as 01, 13, 20, 32 or 44.

9. (a) From matrix II, L can be coded as 59, 66, 78, 85 or 97. From matrix I, E can be coded as 01, 13, 20, 32 or 44. From matrix I, S can coded as 02, 14, 21, 33 or 40. From matrix I, T can be coded as 03, 10, 22, 34 or 41. 10. (a) From matrix I, N can be coded as 02, 14, 21, 33 or 40. From matrix II E can be coded as 56, 67, 78, 85 or 97. From matrix II, S can be coded as 55, 66, 77, 89 or 96. From matrix II, T can be coded as 59, 68, 76, 87 or 95 11. (b) From matrix I, F can be coded as 00, 12, 24, 31, or 43. From matrix I, A can be coded as 01, 13, 20, 34 or 42. From matrix I, I can be coded as 04, 10, 23, 32 or 41. From matrix II, T can be coded as 59, 68, 76, 87 or 95. From matrix II, H can be coded as 57, 65, 79, 86 or 98. 12. (d) From matrix I, F can be coded as 00, 12, 24, 31 or 43. From matrix I, I can be coded as 04, 10, 23, 32 or 41. From matrix I, N can be coded as 02, 14, 21, 33 or 40. From matrix II, E can be coded as 56, 67, 78, 85 or 97. 13. (c) From matrix II, H can be coded as 57, 65, 79, 86 or 98. From matrix II, E can be coded as 56, 67, 78, 85 or 97. From matrix I, A can be coded as 01, 13, 20, 34 or 42. From matrix II, T can be coded as 59, 68, 76, 87 or 95. 14. (b) From matrix II, B can be coded as 58, 69, 75, 88 or 99. From matrix I, O can be coded as 03, 11, 22, 30, or 44. From matrix II, T can be coded as 59, 68, 76, 87 or 95. From matrix II, H can be coded as 57, 65, 79, 86 or 98.

15. (d) From matrix I, D can be coded as 00, 14, 23, 32 or 41.

From matrix II, R can be coded as 57, 66, 75, 89 or 98. From matrix I, A can be coded as 03, 12, 21, 30 or 44. From matrix II, W can be coded as 55, 69 78, 87 or 96. 16. (b) From matrix I, B can be coded as 02, 11, 20, 34 or 43. From matrix I, A can be coded as 03, 12, 21, 30 or 44. From matrix II, N can be coded as 56, 65, 79, 88 or 97. From matrix I, D can be coded as 00, 14, 23, 32 or 41. 17. (a) From matrix I, B can be coded as 02, 11, 20, 34 or 43. From matrix II, L can be coded as 59, 68, 77, 86 or 95. From matrix I, O can be coded as 01, 10, 24, 33 or 42. From matrix II, W can be coded as 55, 69, 78, 87 or 96. 18. (a) From matrix II, R can be coded as 57, 66, 75, 89 or 98. From matrix I, A can be coded as 03, 12, 21, 30 or 44. From matrix I, I can be coded as 04, 13, 22, 31 or 40. From matrix II N can be coded as 56, 65, 79, 88 or 97. 19. (a) From matrix II, L can be coded as 59, 68, 77 86 or 95. From matrix I, A can be coded as 03, 12, 21, 30 or 44. From matrix II, M can be coded as 58, 67, 76, 85 or 99. From matrix I, B can be coded as 02, 11, 20, 34 or 43. 20. (c) M can be coded as 01, 34 or 08; I can be coded as 00, 61, 92, 33, 87, 18 or 88; N can be coded as 50, 81 or 73; D can be coded as 86, 17 or 39. 21. (b) J can be coded as 32 83 or 35; A can be coded as 80, 11, 42, 23, 05, 65, 75 or 58; I can be coded as 00, 61, 92, 33, 87, 18

22. (d) B can be coded as 20, 62 or 24; L can be coded as 10, 25 or 96; O can be coded as 71, 63, 14, 57, 97, 29 or 79; T can be coded

or 96.

or 88; L can be coded as 10, 25

as 41, 03 or 95.

- 23. (a) J can be coded as 32, 83 or 35; O can be coded as 71, 63, 14, 57, 97, 29 or 79; K can be coded as 40, 74 or 56; E can be coded as 90, 72, 44, 36, 48, 78, 19 or 49.
- 24. (a) O can be coded as 71, 63, 14, 57, 97, 29 or 79; M can be coded as 01, 34 or 08; I can be coded as 00, 61, 92, 33, 87, 18 or 88; T can be coded as 41, 03 or 95.

25.	(b)	DϷ	21	Ε	Þ	75
		ΑÞ	97	L	Þ	68
26.	(b)	FÞ	33	Ι	Þ	86
		S Þ	88	Η	Þ	41
27.	(c)	ΡÞ	43	Е	Þ	56
		ΝÞ	21	S	Þ	42
28.	(b)	ΡÞ	85	Е	Þ	00
		ΝÞ	95			
29.	(a)	ΝÞ	95	Ι	Þ	30
		FϷ	32	Е	Þ	43
30.	(c)	ΤÞ	10	Е	Þ	75
		ΜÞ	32	Ρ	Þ	96
		ΤÞ	78			
31.	(a)	ΜÞ	12	Ι	Þ	67
		ΓÞ	32	Κ	Þ	99
32.	(a)	ΓÞ	75	А	Þ	21
		ΜÞ	13	В	Þ	45
33.	(d)	DÞ	57	0	Þ	13
		ΟÞ	32	R	Þ	23
34.	(c)	ΜÞ	30	Е	Þ	56
		ΑÞ	21	L	Þ	67
35.	(c)	ΡÞ	10	U	Þ	45
		S Þ	66	Η	Þ	75
36.	(b)	ΜÞ	40	Ι	Þ	58
		S Þ	03	Т	Þ	56
37.	(d)	ВÞ	57	Е	Þ	32
		ΑÞ	41	D	Þ	87
38.	(b)	DÞ	57	А	Þ	55
		RÞ	04	Т	Þ	56
39.	(b)	S Þ	67	Т	Þ	79
		RÞ	22	0	Þ	86
		ΝÞ	20	G	Þ	21
40.	(b)	ΜÞ	42	А	Þ	43
		R₽	22	В	Þ	87
		ΓÞ	57	Е	Þ	66
41.	(d)	R₽	76	Е	Þ	01
		S Þ	65	Т	Þ	59

42.	(c)	JÞ	75	А	Þ	43			R	Þ	40	1	Г	Þ	58			ΜÞ	27	E	2	Þ	49
		DÞ	10	E	Þ	23	61.	(b)	Ρ	Þ	95	(	С	Þ	00	80.	(a)	ΑÞ	46	F	)	Þ	48
43.	(a)	SϷ	44	L	Þ	11			L	Þ	22	(	С	Þ	44			ΕÞ	49	S	5 ]	Þ	44
		ΕÞ	40	E	Þ	31	62.	(d)	R	Þ	68	(	С	Þ	33	81.	(a)	ΡÞ	00	E	) ]	Þ	55
		ΡÞ	41						s	Þ	65	1	Г	Þ	58			ΑÞ	22	F	2	Þ	11
44.	(b)	RϷ	96	0	Þ	95	63.	(b)	S	Þ	98	Ι	[	Þ	96			ΓÞ	96				
		S Þ	44	E	Þ	40			Х	Þ	85	ł	K	Þ	42	82.	(c)	ΟÞ	98	F	2	Þ	03
45.	(a)	ΚÞ	04	J	Þ	79			Ι	Þ	78	Ι	D	Þ	88			GϷ	44	A		Þ	22
		ΑÞ	20	Т	Þ	87			S	Þ	77							ΝÞ	58				
46.	(d)	СÞ	31	А	Þ	00	64.	(d)	L	Þ	14	(	С	Þ	30	83.	(a)	ΕÞ	99	A		Þ	01
		S Þ	75	Т	Þ	44			V	Þ	67	F	Ð	Þ	68			GÞ	44	L	, ]	Þ	96
47.	(a)	SϷ	67	Р	Þ	55	65.	(c)	М	Þ	66	τ	IJ	Þ	03			ΕÞ	77				
		ΟÞ	31	R	Þ	57			Т	Þ	20	I	Ð	Þ	95	84.	(a)	ВÞ	44	E	)	Þ	75
		ΤÞ	69	S	Þ	87	66.	(a)	Y	Þ	23	I	Ð	Þ	57			ΑÞ	22	k		Þ	88
48.	(d)	СÞ	44	А	Þ	62			А	Þ	15	F	R	Þ	60	85.	(d)	ΡÞ	87	E	2	Þ	11
		LÞ	65	Μ	Þ	51	67.	(c)	Μ	Þ	98	Ι	I	Þ	86			RϷ	22	S	5 ]	Þ	24
49.	(a)	ΡÞ	56	А	Þ	00			L	Þ	77	ł	Κ	Þ	99			ΟÞ	67	N	I	Þ	04
		RÞ	77	R	Þ	88	68.	(d)	R	Þ	12	Ε	Ð	Þ	04	86.	(A)	FϷ	02	Ι	]	Þ	03
		ΟÞ	86	Т	Þ	99			S	Þ	90	1	Г	Þ	78		. ,	RϷ	57	E	2	Þ	01
50.	(c)	СÞ	11	А	Þ	33	69.	(a)	W	Þ	58	A	4	Þ	10	87.	(a)	RϷ	59	τ	J ]	Þ	99
		RÞ	57	D	Þ	22			R	Þ	67	Ι	D	Þ	75			DϷ	34	E	2	Þ	11
51.	(d)	ΚÞ	57	Р	Þ	11	70.	(a)	F	Þ	76	A	4	Þ	02	88.	(b)	RϷ	67	C	) ]	Þ	96
		RÞ	33	S	Þ	96			D	Þ	75	Ε	Ð	Þ	32		. ,	DÞ	57				
52.	(c)	ВÞ	24	E	Þ	22	71.	(c)	F	Þ	31	A	4	Þ	34	89.	(d)	ΝÞ	95	C	)	Þ	55
		ΑÞ	23	S	Þ	58			Ι	Þ	23	1	Г	Þ	76		. ,	WÞ	34				
		ΤÞ	59						Η	Þ	79					90.	(a)	DÞ	14	F	2	Þ	89
53.	(d)	S Þ	21	Ν	Þ	23	72.	(c)	В	Þ	52	F	Ð	Þ	20		()	ΑÞ	12	v	V	Þ	78
		ΟÞ	54	W	Þ	52			Е	Þ	15					91.	(a)	RϷ	67	C	) ]	Þ	96
54.	(d)	ΡÞ	43	L	Þ	65	73.	(d)	L	Þ	76	(	С	Þ	95		(00)	ΑÞ	56	Г	) ]	Þ	57
		ΑÞ	62	Y	Þ	45			А	Þ	20	Ι	D	Þ	32	92.	(c)	DÞ	40	- न		Þ	95
55.	(d)	ВÞ	24	E	Þ	22	74.	(d)	D	Þ	57	F	4	Þ	13		(0)	ΒÞ	14	- F	2	Þ	58
		S Þ	77	Т	Þ	97		(1)	K	Þ	23	t	J	Þ	21			ТЪ	34	S		Ь	69
56.	(c)	GϷ	30	0	Þ	65	75.	(b)	S	Р ь	98	1		Р ь	04	93	(d)	вЪ	55	~ ה	, . , .	ь	21
		DÞ	40				76	(d)	D	Р Б	00 11	۱ ۲	vv	Р Б	90 66	<i>J</i> 0.	(u)	ТЪ	57	Г	<b>)</b> ]	ь	86
57.	(b)	СÞ	20	А	Þ	00	70.	(u)	A	Þ	12	(	2	Þ	20			г г F Б	22	L		L	00
		GϷ	65	E	Þ	40			K	Þ	57		0	•	20	<b>Q</b> 4	(c)	въ	87	F	•	Б	13
58.	(c)	ΡÞ	69	Ι	Þ	11	77.	(c)	A	Þ	43	Ι	[	Þ	55	דע.	(C)	ΔЪ	43	L L	• · ·	Р Б	21
		ΝÞ	99	Κ	Þ	41		. ,	R	Þ	86	S	S	Þ	95			лР	тJ gq	Г	•	r	41
59.	(d)	S Þ	89	0	Þ	03	78.	(c)	L	Þ	31	A	4	Þ	87	05	(c)	л р Т р	64	٨	. 1	Б	00
		FϷ	12	Т	Þ	98			Ν	Þ	32	I	Ð	Þ	88	<i>9</i> 0.	(a)	тъ	04 21	E E	• 1 • 1	Р Б	20
60.	(b)	СÞ	66	А	Þ	12	79.	(b)	R	Þ	23	(	С	Þ	25			ГЪ	51	E		Р	52