

Example 12:

In a certain code DOWN is written as '5@9#' and NAME is written as '#6%3'. How is MODE written in that code?

Solution:

D	O	W	N	A	M	E
5	@	9	#	6	%	3

Hence, MODE is written as %@53.

Example 13:

In a certain code ROSE is written as #43\$ and FIRST is written as 5*#37. How is STORE written in that code?

Solution:

R	O	S	E	F	I	T
#	4	3	\$	5	*	7

Hence, STORE is written as 374#\$.

Directions for questions 14 to 18: In each of these questions a group of letters is given followed by four combinations of digits and symbols numbered (a) (b), (c) and (d). Letters are to be coded by digits/symbols as per the scheme and conditions given below. You have to find out which combination correctly represents the group of letters and indicate your answer accordingly. If none of the combinations is correct, your answer is (e) i.e. None of these.

Letters : L T B E F R P H I J N A Q D U

Digit/Symbol Code: 3 5 # 4 2 1 9 \$ % 6 7 8 * ↑ @

Conditions:

- If the first letter is a vowel and the last letter is a consonant, their codes are to be interchanged.
- If the first as well as the last letter is a vowel, both are to be coded as @.
- If the first letter is a consonant and the last letter is a vowel, both are to be coded as the code for vowel.

Example 14:

TFJNLA

- (a) 526738 (b) 526735 (c) 826738
(d) 826735 (e) None of these

Solution: (c)

T	F	J	N	L	A
↓	↓	↓	↓	↓	↓
8	2	6	7	3	8

Condition (iii) is applicable.

Example 15:

EFUHD

- (a) 42@%↑\$ (b) \$2@%↑\$ (c) 42@%↑4
(d) @2@%↑@ (e) None of these

Solution: (d)

E	F	U	H	D	I
↓	↓	↓	↓	↓	↓
@	2	@	%	↑	@

Condition (ii) is applicable.

Example 16:

RPIUJL

- (a) 19\$@#3 (b) 39\$@#1 (c) @9\$@#0
(d) 39\$@#3 (e) None of these

Solution: (a)

R	P	I	U	B	L
↓	↓	↓	↓	↓	↓
1	9	\$	@	#	3

Example 17:

JQEBFI

- (a) 6*4#2\$ (b) \$*4#2\$ (c) 6*4#26
(d) \$*4#26 (e) None of these

Solution: (b)

J	Q	E	B	F	I
↓	↓	↓	↓	↓	↓
\$	*	4	#	2	\$

Condition (iii) is applicable.

Example 20:

If × stands for +, ÷ stands for - and + stands for ×, - stands for ×, which one of the following is correct?

- (a) $10 - 5 \times 6 \div 2 = 54$
(b) $15 + 3 \times 4 \div 3 = 12$
(c) $12 + 4 \div 2 - 7 = 8$
(d) $11 - 6 \div 4 + 2 = 64$

Solution: (a)

$\times \rightarrow +$
 $\div \rightarrow -$
 $+$
 $- \rightarrow \times$

Option (a):
 $10 - 5 \times 6 \div 2 = 54$
 $\Rightarrow 10 \times 5 + 6 - 2 = 54$

Option (b):
 $15 + 3 \times 4 \div 3 = 12$
 $\Rightarrow 15 \div 3 + 4 - 3 \neq 12$

Option (c):
 $12 + 4 \div 2 - 7 = 8$
 $\Rightarrow 12 \div 4 - 2 \times 7 \neq 8$

Option (d):
 $11 - 6 \div 4 - 2 = 64$
 $\Rightarrow 11 \times 6 - 4 \times 2 \neq 64$

Example 18:

UHFNRD

- (a) @ % 217↑ (b) @ % 217↑ (c) ↑ % 217↑
(d) @ 217@ (e) None of these

Solution: (e)

U	H	F	R	N	D
↓	↓	↓	↓	↓	↓
↑	%	2	1	7	@

Condition (i) is applicable.

Example 19:

If + means ÷, - means ×, × means +, ÷ means -, then $90 + 18 - 6 \times 30 \div 4 = ?$

Solution:

Given
 $+ \rightarrow \div$
 $- \rightarrow \times$
 $\times \rightarrow +$
 $\div \rightarrow -$
 $90 + 18 - 6 \times 30 \div 4 = ?$
It can be written as
 $90 \div 18 \times 6 + 30 - 4 = 56$.