SUB: REASONING   **CODING AND DECODING**

Direction 1-5 : Following is given a set of digits and the corresponding letter code of each digit followed by certain conditions for coding.

Digit :	2	5	7	8	9	4	6	3	1
Letter Code	M	R	T	B	W	K	D	N	J

In each question one number consisting six digits followed by four combinations of letter codes. You have to find out which of the combination of letter codes represents the set of digits based on the above codes and the conditions given below and mark your answer accordingly. Otherwise give answer (5), i.e., None of these.

Conditions : (i) If both the first and the last digits of the number are odd digits then both are to be coded as I.

(ii) If both the first and last digits of the number are even digits then both are to be coded as Y.

1. 726395
1. IMDNWI   2. YMDNWY
3. TMDNWR   4. IMDNWR
5. None of these

2. 263847
1. IDNBKI   2. YDNBKY
3. IDNBKY   4. MDNBKY
5. None of these

3. 591248
1. IWJMKB   2. RWJMKY
3. YWJMKY   4. RWJMKB
5. None of these

4. 615824
1. IJRBMI 2. IJRBMY 3. YJRBMY
4. DJRBMK 5. None of these

5. 831795
1. INJTWR   2. BNJTWR   3. BNJTWY
4. YNJYWY   5. None of these

Direction (Qs. 6-10): In each of these questions, a group of digits is given followed by four combinations of letters and symbols numbered (1), (2), (3) and (4). The group of digits is to be coded as per the scheme and conditions given below. The serial number of the combination which correctly represents the group of digits is your answer. If none of the four combinations is correct, your answer is (5) i.e. 'None of these'.

DIGITS:	5	8	4	3	6	2	9	0	7	1
CODE:	T	J	$	#	H	Q	@	L	%	K

Conditions:
i. If the first as well as the last digit is odd, both are to be coded as ©.
ii. If the first well as the last digit is even, their codes are to be swapped.
iii. If '0' is the last digit, it is to be coded as ★

6. 270514
1. ©%LTK© 2. S%LTKQ 3. Q%LTKS 4. $%★TKQ
5. None of these

7. 364279
1. ©HSQ%© 2. #HSQ%@ 3. @H$Q%# 4. #H$Q%©
5. None of these

8. 875306
1. J%T#LH 2. H%T#LH 3. H%T#LJ 4. J%T#LJ
5. None of these

9. 592476
1. H@Q8%T 2. ©@Q8%T 3. H@Q$%© 4. ©@Q$%©
5. None of these

10. 468910
1. $HJ@KL 2. LHJ@K$ 3. ★HJ@K$ 4. SHJ@K★
5. None of these

Directions (11-15): In each question a group of letters is given followed by four combinations of number/symbol numbered (1), (2), (3) and (4). Letters are to be coded as per the scheme and conditions given below. You have to find out the serial number of the combination, which represents the letter group. Serial number of that combination is your answer. If none of the combinations is correct, your answer is (5) i.e. None of these.

Letters	Q	M	S	I	N	G	D	K	A	L	P	R	B	J	E
Number/Symbol	7	@	4	#	%	$	6	1	2	£	5	★	9	8	3

Conditions:
i. If the first letter is a consonant and the last a vowel, both are to be coded as the code of the vowel.
ii. If the first letter is vowel and the last a consonant, the codes for the first and the last are to be interchanged.
iii. If no vowels is present in the group of lotters, the second and and the fifth letters are to be coded as ©.

11. BARNIS
1. 92★#%4   2. 924#★%   3. 92★#%9
4. 42★#%4   5. None of these

12. DMBNIA
1 6@9%#2   2. 2@9%#6   3. 2@9%@2
4. 2©9%#2   5. None of these

13 IJBRLG
1. #89★£$ 2. #89★£#   3. $89★£#
4. $89★£$ 5. None of these

14. BKGQJN
1. 9©$7©%   2. ©9$7©%   3. 91$78%
4. %1$789   5. None of these

15. EGAKRL
1. #£$21★   2. £$21★3   3. £$21★#   4. #£$21#
5. None of these

16-20): In each question below is given a group of digits followed by four combinations of letters / symbols numbered (1), (2), (3) and (4). You have to find out which of the combinations correctly represents the group of digits based on the coding systems and the conditions given below and mark the number of that combination as your answer. If none of the combinations correctly represents the group of digits, mark (5), i.e. 'None of these' as your answer.

Digit:	5	1	3	4	9	6	8	2	7
Letter/Symbol:	P	A	K	%	R	@	D	©	M

Conditions:
i. If the first digit is odd and the last digit is even, the codes for the first and last digits are to be reversed.
ii. If both the first and the last digits are even, both are to be coded as*
iii. If both the first and the last digits are odd, both are to be coded as $

16. 813469
1. RAK%@D   2. DAK%@R
3. DAP%@R   4. *AK%@*
5. None of these

17. 794821
1. MR%D©A   2. AR%D©M
3. M%RD©A   4. $R%D©$
5. None of therse

18. 671254
1. @MA©P%   2. $MA©PS
3. *MA©P*   4. %MA©P©
5. None of these

19. 591426
1. @RA%©P   2. PRA%©@
3. @AR%©P   4. $RA%©*
5. None of these

20. 215349
1. RAPK%©   2. *APK%*
3. $APK%$ 4. ©PAK%R
5. None of these