

Conditional Coding Decoding for Clerk Prelims Exam



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Conditional Coding Decoding

Directions (1 – 5): Consider the following data:

E	J	L	O	N	0	3	2	U	6	9	X	5
}	^	#	*	?	&	%	\$!	>	~		@

Each element is denoted by a symbol as shown above.
Further, consider the given conditions and answer accordingly.

- If the third element is odd and sixth element is a vowel, then both the elements should be coded as '!'.
If the third element is even and sixth element is a vowel, then both the elements should be coded as '&'.
If the third element is odd and sixth element is a consonant, then both the elements should be coded as 'X'.
If the third element is even and sixth element is a consonant, then both the elements should be coded as 'L'.
If the third element is odd and sixth element is a digit, then both the elements should be coded as 'U'.
If the third element is even and sixth element is a digit, then both the elements should be coded as '6'.
- If the second element is consonant and sixth element is also a consonant, then both the elements should be coded as the code of the second element.

3. If the fifth and sixth elements are odd, then the code for both the elements should be interchanged.

1. 0XUN2L

- %!!? \$|
- &|! ? \$|
- &|>~ \$|
- &|!! \$|
- None of these

2. L695UO

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- a) #>%@!@
- b) #>!@!!
- c) #>!*\$
- d) #}!@~!
- e) None of these

3. 6XOE2J

- a) ||* } @|
- b) >|* } \$|
- c) @~* } \$|
- d) >^& } \$|
- e) None of these

4. 2XU359

- a) \$#!%% @
- b) &?!%~@
- c) #!\$~@
- d) \$!%~@
- e) None of these

5. L326JE

- a) &%\$>^>
- b) #^\$^^}
- c) #%\$>^}
- d) @%\$~^}
- e) None of these

Directions (6 – 10):In each question below is given a group of letters followed by four combinations of

digits/symbols numbered (1), (2), (3) and (4). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and the conditions that follow and mark the number of that combination as your answer. If none of combinations correctly represents the group of letters, mark (5) i.e. 'None of these' as your answer.

Digit/Symbol	9	@	2	4	\$	3	7	%	+	1	5	6	*	8	©
Letter	R	W	F	P	A	H	B	M	E	J	Q	I	U	N	T

Conditions:

- (i) If the first element is an even digit and the last element is a symbol, both are to be coded as the code for the even digit.
- (ii) If the first element is a symbol and the last element is an odd digit, their codes are to be interchanged.
- (iii) If the first element is an odd digit and the last element is an even digit, both are to be coded as the code for the odd digit.

6. 853©2+

- a) NQHTFE
- b) NQHTFN
- c) EQHTFN
- d) EQHTFE
- e) None of these

7. 4\$%3*6

- a) PAMHUI
- b) PAMHUP
- c) IAMHUP

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- d) IAMHUI
e) None of these

8. 9@\$3%6

- a) IWAHMI
b) RWAHMI
c) IWAHMR
d) RWHAMR
e) None of these

9. 728%9\$

- a) AFNMRB
b) BFNMRB
c) AFNMRA
d) BFNMRA
e) None of these

10. ©7+541

- a) TBEQPT
b) TBEQPJ
c) JBEQPT
d) JBEQPJ
e) None of these

Directions (11 – 15): Consider the following data and answer the questions based on the following conditions.

Digit	1	0	5	2	6	3	9	7	4	8
Symbol	@	A	#	C	K	\$	%	G	*	&

Conditions:

1. If the first digit is even and the last digit is odd, then both are to be coded as the code of the first digit.
2. If the first digit is odd and the last digit is even, then the codes for the first and the last digits are to be interchanged.
3. If the first as well as the last digit is odd, then both are to be coded as the code of the last digit.
4. If the first as well as the last digit is even, then both are to be coded as the code for the highest digit present in that particular group.

Each digit is denoted by a symbol as shown above. Further, consider the given conditions and answer the questions accordingly for a given number:

11. 243578

- a) &*\$G# &
b) &*\$#G&
c) C*\$#G&
d) C*\$#GC
e) &*\$#G&

12. 124567

- a) CC*#KC
b) GC*#KK
c) GC*K#G
d) GC*#KG
e) G*C#KG

13. 697845

- a) K%G&*K

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- b) G%G&*K
c) K%G*&K
d) KG%&*K
e) %%G&##

14. 987366

- a) K&G\$KK
b) %&G\$K%
c) K&\$GK%
d) K&G\$%K
e) K&G\$K%

15. 928657

- a) %C&K#%
b) GC&#KG
c) GC&K#G
d) G&CK#G
e) GC&#K%

Directions (16 – 20): Consider the following data:

Symbo l	1	A	U	6	T	2	F	G	4	I	O	5	P
Code	@	&	\$!	#	%	^	*	€	β	©	π	¥

Each element in the 1st row is denoted by a symbol in its respective row below it. Further, consider the given conditions and answer accordingly.

1.If the first element is a consonant and the last element is vowel, then code for both the elements are to be interchanged.

2. If the third element is consonant and the third element is preceded by an odd number then both are to be coded as %.

3. If the first element is odd and the last element is even, then code for the odd number must be replaced with the code for the even number.

16. T2G5PO

- a) #%*π¥©
b) ©%*π¥#
c) ©*%π¥#
d) ©%π*¥#
e) None of these

17. U5G14F

- a) \$%%@^€
b) €\$%%@€
c) \$%%@€^
d) \$π%@€^
e) None of these

18. 1IU5P6

- a) !β\$π¥!
b) !β\$¥π@
c) !β\$¥π!
d) !β\$%¥!
e) None of these

19. 4PGIF2

- a) €¥β*^%

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- b) ¥€*β^%
c) €%%β^%
d) €¥*β^%
e) None of these

20. T1FU2G

- a) #%%\$%*
b) #@%\$%*
c) #^@\$%*
d) #@^\$%*
e) None of these

Directions (21 – 25): Study the following information carefully and answer the questions given below it.

Digits in the numbers are to be coded as follows

Digits	1	2	3	4	5	6	7	8	9	0
Letter/Symbol	A	@	B	D	#	%	E	G	&	\$

Conditions:

- i) If the first digit is an odd number and the last digit is an even number, then their codes are to be interchanged.
ii) If the first digit is an even number and the last digit is an odd number then the third is to be the first digit.
iii) If both the first and the last digits are an even number, then both are to be coded as the last digit.
iv) If both the first and the last digits are an odd number, then both are to be coded as the first digit.

21. What is the code for “27138”?

- a) @EABG
b) GEAB@
c) GEABG
d) @EAB@
e) None of these

22. What is the code for “13054”?

- a) DB\$#D
b) AB\$#A
c) AB\$#D
d) DB\$#A
e) None of these

23. What is the code for “12345”?

- a) AD@B#
b) A@BDA
c) #@BD#
d) #B@DA
e) None of these

24. What is the code for “41025”?

- a) DA\$@#
b) DA\$@D
c) DAD@#
d) #A\$@#
e) None of these

25. What is the code for “32506”?

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a) % @ # \$ %

b) % \$ @ # B

c) B @ # \$ B

d) % @ # \$ B

e) None of these

Directions (26 – 30): In each of the questions given below, a group of digits/letter is given followed by four combinations of symbols numbered (a), (b), (c) and (d). You have to find out which of the four combinations correctly represents the group of digits/letters based on the symbol codes and the conditions given below. If none of the four combinations represents the group of digits correctly, give (e) 'None of these' as the answer.

Digit	U	P	S	1	0	Q	R	3	X	9	Z
Symbol	@	#	©	&	*	>	<	¥	^	!	+

Conditions for coding-

- (1) if the first element is odd number and last element is vowel then both are coded to be as the code of first element.
- (2) if first as well as last element is odd number then both are coded as the code of last element.
- (3) if first element is consonant and last element is vowel then code of first and last element are to be Interchanged.
- (4) if first element is consonant and last element is divisible by three then both are coded to be as @.

26. What is the code for 31OR9?

a) ! & * < !

b) ! * & > !

c) * © ¥ + !

d) ! @ * < !

e) None of these.

27. What is the code for 3PQZU?

a) ¥ > + # ¥

b) ¥ * < ^ *

c) ¥ # > + ¥

d) # ¥ > + ¥

e) None of these.

28. What is the code for Q9ZPU?

a) @ ! + # >

b) > ! + # @

c) @ ! ¥ + >

d) ^ @ + ! >

e) None of these

29. What is the code for ROPZ9?

a) @ + # * @

b) * > < ¥ ^

c) @ * # + @

d) ! * # + @

e) None of these

30. What is the code for RXPZQ?

a) ^ © # + >

b) > + # ^ ©

c) < ^ # + >

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d) ©*@!+

e) None of these

Directions (31 – 35): Numerals are coded as given below and some conditions are given.

Accordingly you have to find out which coding is correct.

4	6	7	8	1	3	5	0	9	2
#	B	M	%	E	\$	Z	P	&	Y

Conditions:-

a) If first digit as well as last digit is odd then both will be coded as 'A'

b) If first digit as well as last digit is even then both will be coded as '0'

c) If first digit is even and last digit is odd, then the code will be interchanged

d) If first digit is odd and last digit is even then both will be coded as the even number.

e) If the number starts or end with zero, then zero will be coded as '*'

31. 316726

a) BBEMY4

b) BEBM\$4

c) BEBMYB

d) BMBMY4

e) None of these

32. 276134

a) 0M0BE\$

b) 0MBE\$0

c) 0MBE#0

d) MB0#\$B

e) None of these

33. 097321

a) *&M\$YE

b) *MYE&B

c) EY\$M&*

d) \$EYM\$*

e) None of these

34. 156587

a) AMB0%A

b) A\$B%SA

c) A%BEZA

d) AZBZ%A

e) None of these

35. 825763

a) #ZYNB%

b) YZM%#B

c) \$YZMB%

d) #YMZ%B

e) None of these

Directions (36 – 40): In each of the following questions given below, a word is given followed by four combinations of symbols and digits labeled A, B, C and D. You have to find out which of the following

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four combinations correctly represents the word based on the symbol codes and the conditions given below. If none of the combinations matches, choose 'None of these' as your answer.

Letter	Y	F	I	P	S	E	H	R	C	U	M	W	X	A	J	G	O
Code	7	@	5	4	1	#	6	\$	%	9	&	3	2	?	0	8	!

Condition 1: If first and last letter in a word are vowels then the code will be written in reversed order.

Condition 2: If there is no vowel in the word then code for the first three letters of the word will be written in reverse order.

Condition 3: If the letter on second and fourth position in the word is consonant then the codes of both them will be interchanged.

Note- If more than one condition satisfies the given word then condition 2 is to be applied only.

36. What would be the code of the word 'UXAMF'?

- a) 9@0?3
- b) &9?25
- c) 9&?2@
- d) 93&5?
- e) None of these

37. What would be the code of the word 'GIFEM'?

- a) 8@5&#
- b) #58&@
- c) 8@

- d) 8@#&5
- e) None of these

38. What would be the code of the word 'WJSFC'?

- a) 781\$@
- b) 08%1@
- c) 03%1@
- d) 103@%
- e) None of these

39. What would be the code of the word 'AHIUE'?

- a) #9?4\$
- b) #956?
- c) \$954?
- d) #9?56
- e) None of these

40. What would be the code of the word 'HCYUX'?

- a) 6%792
- b) #6%92
- c) 6#%&2
- d) 2%769
- e) None of these

Directions (41 – 45): In this question is given a group of letters followed by five combinations of numbers/symbols codes. You have to find out which of the combinations correctly represents the group of letters based on the given coding system and the conditions and give that combination as your answer.

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Letter s	A	D	O	U	S	P	N	E	L	T	W	K	Z	Q
Numb er / Symb ols Codes	5	%	6	1	\$	8	&	4	7	#	@	2	+	3

Conditions :

(i) If the first element is a consonant and the last element is a vowel, then the consonant is to be coded as *

(ii) If both the first and last elements are vowels, then the last vowel is to be coded as the code for the fourth element.

(iii) If the group of elements does not contain any vowel, third element is to be coded as the code for the last element.

41. OTWDSA

- a) 6#@%\$%
- b) %@#%5%
- c) 6#@%\$5
- d) 6#@%\$@
- e) 6#@5\$5

42. ENZQLA

- a) 4&+373
- b) 4&+575
- c) 4*+375
- d) 4&+375
- e) *&+373

43. KPELQU

- a) *84731
- b) 284731
- c) *84732
- d) 28473*
- e) *8473*

44. WTDKNP

- a) @#8&28
- b) @#%2&8
- c) @#%2&%
- d) @#%2&2
- e) @#82&8

45. KZLTDP

- a) 2+7#%7
- b) 2+8#%8
- c) *+7#%8
- d) #+82%8
- e) 2+7#%8

Directions (46 – 50): In this question is given a group of letters followed by five combinations of numbers / symbols codes. You have to find out which of the combinations correctly represents the group of letters based on the following coding system and the conditions and mark that combination as your answer.

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Letters	D	N	W	A	S	E	K	T	O	L	P	U	Z	Q
Number/Symbols Codes	4	%	\$	3	@	8	&	5	1	+	2	#	6	7

Conditions :

(Note: Counting of elements is done from left to right)

i. If the first element is a vowel and the last element is a consonant, then all the vowels are to be coded as ©

ii. If both the first and last elements are vowels, then the first vowel is to be coded as the code for the third element

iii. If the group of elements does not contain any vowel, the codes for second and last element are to be interchanged

46. OZTENW

- a) ©65©S%
- b) ©658%\$
- c) 156©%\$
- d) ©65©%\$
- e) 165©%S

47. AZKEUS

- a) ©6&8©@
- b) ©6&©#@

c) @6&©©3

d) ©6&©@@

e) ©6&©©@

48. STKPDW

- a) @\$2&45
- b) @\$&452
- c) @5&24\$
- d) @\$&245
- e) &\$@245

49. EWDZQU

- a) 4\$467#
- b) 4S476#
- c) 8S476#
- d) 4\$867#
- e) 8\$867#

50. LPZDNS

- a) @246%+
- b) +@6%42
- c) @264%+
- d) +@62%4
- e) +@64%2

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Answers with Explanation:

1. Answer: B)

By rule (2), If the second element is consonant and sixth element is consonant, then both the elements should be coded as the code of the second element.

the code should be: &|!?\$|

2. Answer: B)

By rule (1), If the third element is odd and sixth element is vowel, then both the elements should be coded as 'I'

the code should be: #>!@!!

3. Answer: B)

By rule (2), If the second element is consonant and sixth element is consonant, then both the elements should be coded as the code of second element.

the code should be: >|*}\$|

4. Answer: D)

By rule (3), If the fifth and sixth elements are odd, then the code for both the elements should be interchanged.

the code should be: \$|!%~@

5. Answer: C)

It follows none of the given rules, the code should be: #%\$>^}

6. Answer: B)

8	5	3	©	2	+
N	Q	H	T	F	E

Here condition (i) is applicable, hence the code is NQHTFN

7. Answer: A)

4	\$	%	3	*	6
P	A	M	H	U	I

8. Answer: E)

9	@	\$	3	%	6
R	W	A	H	M	I

Here condition (iii) is applicable, hence the code is: RWAHMR

9. Answer: D)

7	2	8	%	9	\$
B	F	N	M	R	A

10. Answer: C)

©	7	+	5	4	1
T	B	E	Q	P	J

Here condition (ii) is applicable, hence the code is JBEQPT

11. Answer: B)

By rule 4,

Highest number is 8 in that group so 2 and 8 will be coded as &.

4-*, 3-\$, 5-#, 7-G

So, the code is &*\$#G&.

12. Answer: D)

By rule 3,

1 and 7 will be code as G.

2-C, 4-*, 5-#, 6-K

So, the code is GC*#KG.

13. Answer: A)

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By rule 1,

6 and 5 will be coded as K

9-%, 7-G, 8-&, 4-*

So, the code is K%G&*K.

14. Answer: E)

By rule 2,

Code of 9 and 6 will be interchanged.

8-&, 7-G, 3-\$, 6-K

So, the code is K&G\$K%.

15. Answer: C)

By rule 3,

9 and 7 will be coded as G

2-C, 8-&, 6-K, 5-#

So, the code is GC&K#G

16. Answer: B)

By rule no. 1

First element is a consonant and last element is vowel so code for both the elements should be interchanged.

T	2	G	5	P	O
©	%	*	π	¥	#

17. Answer: C)

By rule no. 2

Third element is a consonant and the third element preceded by an odd number then both should be coded as %.

U	5	G	1	4	F
\$	%	%	@	€	^

18. Answer: A)

By rule no. 3

First element is an odd number and last element is even, then code for the odd number must be replaced with the code for the even number.

1	I	U	5	P	6
!	β	\$	Π	¥	!

19. Answer: D)

No Rule follows. Code will remain unchanged.

4	P	G	I	F	2
€	¥	*	B	^	%

20. Answer: A)

By rule no. 2

Third element is a consonant and the third element preceded by an odd number. so both should be coded as %.

T	1	F	U	2	G
#	%	%	\$	%	*

21. Answer: c

It follows condition (iii). So, '27138' can be coded as 'GEABG'

22. Answer: d

It follows condition (i). So, '13054' can be coded as 'DB\$#A'

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23. Answer: b

It follows condition (iv). So, '12345' can be coded as 'A@BDA'

24. Answer: E

It follows condition (ii). So, '41025' can be coded as '\$A\$@#'

25. Answer: d

It follows condition (i). So, '32056' can be coded as '%@#B'

26. Answer: A)

It follows condition (ii). So '31OR9' can be coded as '!&*<!'.

27. Answer: C)

It follows condition (i). So, '3PQZU' can be coded as '¥#>+¥'

28. Answer: A)

It follows condition (iii). So, 'Q9ZPU' can be coded as '@!+#+>'

29. Answer: C)

It follows condition (iv). So, 'ROPZ9' can be coded as '@*#+@'

30. Answer: C)

No Rule follows. Code will remain unchanged.

So, 'RXPZQ' can be coded as '<^#+>'

31. Answer: C)

First number is odd and last number is even, so it will be coded as even number

32. Answer: B)

condition b follow, so both will be coded as 0

33. Answer: A)

condition e follow, the number starts with 0, so zero will be coded as *

34. Answer: D)

condition a follow, so both the first and last digit will be coded as A

35. Answer: C)

condition c follows, so codes will be interchanged

36. Answer: C)

Here, we can see that letters on second and fourth position in the word 'UXAMF' are consonants. Therefore, Condition 3 can be applied:

Then, the code of the word 'UXAMF' is '92?&@' after applying the condition '9&?2@'.

37. Answer: E)

Here, we can see that there is no condition applicable in this case. So, we can write the code of 'GIFEM' directly from the given table:

Then, the code of the word 'GIFEM' is '85@#&'.

38. Answer: D)

Here, we can see that there is no vowel in the word 'WJSFC'. Therefore, Condition 2 can be applied.

Also, the second and fourth letter is a consonant, thus Condition 4 is also applicable.

But in such a case only condition 2 is to be applied.

Thus, the code of the word 'WJSFC' is '301@%' after reversing codes for the first three letters '103@%'.

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39. Answer: B)

Here, we can see that first and last letter in the word 'AHIUE' are vowels. Therefore, Condition 1 can be applied:

Then, the code of the word 'AHIUE' is '?659#' after reversing the code '#956?'.

40. Answer: A)

Here, we can see that there is no condition applicable in this case. So, we can write the code of 'HCYUX' directly from the given table:

Then, the code of the word 'HCYUX' is '6%792'.

41. Answer: A)

Condition (ii) is applicable

Then the code of the word OTWDSA is 6#@%\$%

42. Answer: A)

Condition (ii) is applicable

Then the code of the word ENZQLA is 4&+373

43. Answer: A)

Condition (i) is applicable

Then the code of the word KPELQU is *84731

44. Answer: E)

Condition (iii) is applicable

45. Answer: B)

Condition (iii) is applicable

Then the code of the word KZLTDP is 2+8#%8

46. Answer: D)

Condition (i) is applicable

Then the code of the word OZTENW is ©65©%\$

47. Answer: E)

Condition (i) is applicable

Then the code of the word AZKEUS is ©6&©©@

48. Answer: D)

Condition (iii) is applicable

Then the code of the word STKPDW is @\$&245

49. Answer: A)

Condition (ii) is applicable

Then the code of the word EWDZQU is 4\$467#

50. Answer: E)

Condition (iii) is applicable

Then the code of the word LPZDNS is +@64%2

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