

Coding and Decoding**Part 1 - Basic****Model 1: Simple Coding**

- In a certain code BOARD is written as CNBQE. How is CRIME written in that code?
1) DSJNF 2) BQHLD 3) DQJLF 4) BSHND 5) None of these
- In a certain code KNIFE is written as \$3%#5 and LAKE is written as 7@\$5. How is FAIL written in that code?
1) %\$#7 2) #@%7 3) \$@%7 4) \$%@7 5) None of these
- In a certain code language 'CAT' is written as '3120' and 'DOG' is written as '4157'. What will be the decoded form of '25144'?
1) BEND 2) BEADD 3) YADD or YND
4) Cannot be determined 5) None of these
- In a certain code, 'MOBILE' is written as '56'. How will the word 'PHONE' be written in that code?
1) 58 2) 62 3) 23 4) 45 5) None of these

Model 2: Jumbled Coding

- In a certain code BEAN is written as ABNE and SALE is written as LSEA. How is NEWS written in that Code?
1) WNES 2) WNSE 3) SNWE 4) SNEW 5) None of these
- In a certain code 'TALENT' is written as 'AELNTT'. How will be the word 'SPRINT' be written in that code?
1) PIRNTS 2) PIRNST 3) NPRIST 4) INPRST 5) None of these

Model 3: Complex Coding

- In a certain code JEALOUS is written as BFKKTVP. How is HEARTEN written in that code?
1) OFUQBFI 2) BFIQOFU 3) BFIQUFO 4) UFOQIBF 5) None of these

Model 4: Chain Coding

- In a certain code 'Green is Blue', 'Blue is Yellow', 'Yellow is Red', 'Red is Black', 'Black is White', 'White is Brown'. What is the color of the blood according to the given code?
1) Black 2) Red 3) Blue 4) Brown 5) None of these

Model 5: Language Coding

Directions (9-13): Study the following information to answer the given questions.

In a certain code 'for profit order now' is written as 'ho ja ye ga', 'right now for him' is written as 'ga ve ja se', 'place order for profit' is written as 'ga bi ho ye' and 'only in right order' is written as 've du ye zo'.

- What is the code for 'him'?
1) ga 2) ve 3) ja 4) se 5) Cannot be determined
- What does 'bi' stand for?
1) profit 2) order 3) place 4) for 5) now
- What is the code for 'order'?
1) ye 2) ga 3) bi 4) ja 5) ho
- 'fo ve du' could be a code for which of the following?
1) in right spirits 2) only in profit 3) order only him
4) place in right 5) order only now
- Which of the following may represent 'only for now'?
1) ja bi zo 2) du zo ga 3) zo ga ja 4) zo ga ye 5) du bi ja

Model 6: Symbol Coding

Directions (14-18): 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 the combinations correctly represents the group of letters, mark 5) ie 'None of these', as your answer.

| Letter | M | J | R | A | D | B | W | Z | P | E | I | H | G | U | K |
|--------|---|---|---|---|---|---|---|----|---|---|---|---|---|---|---|
| Digit | 8 | 4 | @ | 9 | © | 1 | 2 | \$ | 3 | # | 5 | 6 | % | 7 | * |

Symbol Code Conditions:

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

If the first letter is a vowel and the last letter is a consonant, both are to be coded as the code for the consonant.

14. AMZGUB

- 1) 98\$%71 2) 98\$%79 3) 18\$%79 4) 18\$%71 5) None of these

15. GDWZMI

- 1) %@2\$85 2) 52©\$85 3) 5%©2\$8 4) %©2\$8% 5) None of these

16. IBHJRE

- 1) #614@5 2) 5164@# 3) #164@5 4) #164@# 5) None of these

17. RPD AEK

- 1) @3©9#* 2) @3©9#@ 3) *3©9#* 4) *3©9#@ 5) None of these

18. EUBKJA

- 1) #71*4# 2) 971*4# 3) 917*4# 4) 971*49 5) None of these

19. In a certain code SAID is written as #35 and RED is written as @65. How is RAISE written in that code?

- 1) @3#5 2) @6#5 3) #3@5 4) #6@5 5) None of these

20. In a certain code ORIENT is written as '532146' and SOUL is written as '7598'. How is LINE written in that code?

- 1) 9241 2) 8341 3) 8241 4) 6241 5) None of these

21. In a certain code 'pick and choose' is written as 'ko ho po' and 'pick up and come' is written as 'to no ko po'. How is 'pick' written in that code?

- 1) ko 2) po 3) either ko or po
4) Cannot be determined 5) None of these

22. 'Pull' is related to 'Push' in the same way 'Low' is related to

- 1) MEDIUM 2) High 3) More 4) Long 5) None of these

23. In a certain code 'MEAN' is written as '8964' and NOBLE is written as '47529'. How is LOAM written in that code?

- 1) 2768 2) 2758 3) 2968 4) 2468 5) None of these

24. RED is related to 'STOP' in the same way GREEN is related to?

- 1) Color 2) paint 3) Lamp 4) Start 5) None of these

25. In a certain code DRAUGHT is written as CQBVHIU and CONCISE is written as BNODJTF. How will PROBLEM be written in that code?

- 1) OSNCMFN 2) OQPCMFN 3) QSNAMFN
4) OQPKD 5) None of these

26. If CHOLINE is written as 'OCIHLEN', then SURGEON will be written as

- 1) RSUEGNO 2) RSEGUNO 3) RESUGNO 4) RSEUGNO 5) None of these

27. In a certain code CLIMATE is written as BUFLJMD. How is ORDERLY written in that code?

- 1) SMZDESP 2) ZMSDPSE 3) ZMSDESP 4) ZMSFESP 5) None of these

28. In a certain code TOLD is written as 5132 and DEAR is written as 2648. How is LATE written in that code?

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- 3) MSXDOVBDDFKM 4) MSXDOUBDDFFM 5) None of these
39. In a certain code KITE is written as %2\$# and STUD is written as @\$57. How is DESK written in that code?
 1) 8%©# 2) ©8%# 3) #7%@ 4) 7#@% 5) None of these
40. If AT = 20 and BET = 200, then what is FAT =?
 1) 500 2) 100 3) 300 4) 120 5) None of these
41. In a certain code ROAM is written as 5913 and DONE is written as 4962: How is MEAN written in that code?
 1) 5216 2) 3126 3) 3216 4) 9126 5) None of these

Directions (45-50): Study the following information to answer the given questions:

In a certain code, 'always create new ideas' is written as 'ba ri sha gi', 'ideas and new thoughts' is written as 'fa gi ma ri', 'create thoughts and insights' is written as 'ma jo ba fa', and 'new and better solutions' is written as 'ki ri to fa'.

42. What is the code for 'ideas'?
 1) sha 2) ba 3) gi 4) ma 5) Cannot be determined
43. What does 'fa' stand for?
 1) thoughts 2) insights 3) new 4) and 5) solution
44. 'fa lo ba' could be a code for which of the following?
 1) thoughts and action 2) create and innovate 3) ideas and thoughts
 4) create new solutions 5) always better ideas
45. What is the code for 'new'?
 1) ki 2) ri 3) to 4) fa 5) ba
46. Which of the following may represent 'insights always better'?
 1) jo ki to 2) ki to ri 3) sha jo ri 4) to sha jo 5) sha to ba
47. What is the code for 'thoughts'?
 1) ma 2) fa 3) ba 4) jo 5) Either jo or fa

Directions (51-55): In each of these questions a group of letters is given followed by four Combinations of number/symbol numbered 1), 2), 3) & 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. The serial number of that combination is your answer. If none of the combinations is correct, your answer is 5), i.e. 'None of these'.

| Letter | E | Q | B | K | N | P | L | I | T | C | S | F | H | W | A |
|--------|---|---|----|---|---|---|---|---|---|---|---|---|---|---|---|
| Digit | 5 | * | \$ | 2 | © | # | 4 | 9 | @ | 6 | 1 | 8 | % | 7 | 3 |

Conditions:

- If the first letter is a consonant and the last a vowel, both are to be coded as the code for the vowel.
- If the first letter is a vowel and the last a consonant, the codes for the two are to be interchanged.
- If both the first and the last letters are consonants, both are to be coded as 'S'.
- If there are more than two vowels in the group of letters, all vowels are to be coded as 'E'.

51. KAWIPL

- 1) 2379#4 2) §379#5 3) §379#§ 4) 2379#2 5) None of these

52. IQCPWF

- 1) 9*6#78 2) 9*6#79 3) 5*6#75 4) 8*6#79 5) None of these

53. TCKAPE

- 1) @623#@ 2) @623#5 3) 5623#5 4) 5623#@ 5) None of these

54. IKBQFA

- 1) D92S8 2) 923\$*8 3) 92*83\$ 4) £2\$8*£ 5) None of these

55. IBTNAE

- 1) £\$@C££ 2) \$9@C35 3) \$@9C35 4) £C\$C££ 5) None of these

Answers

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 - 3 | 2 - 2 | 3 - 4 | 4 - 1 | 5 - 2 | 6 - 4 | 7 - 2 | 8 - 1 | 9 - 4 | 10 - 3 |
| 11 - 1 | 12 - 1 | 13 - 3 | 14 - 4 | 15 - 5 | 16 - 3 | 17 - 1 | 18 - 2 | 19 - 5 | 20 - 3 |
| 21 - 3 | 22 - 2 | 23 - 1 | 24 - 4 | 25 - 2 | 26 - 4 | 27 - 1 | 28 - 4 | 29 - 3 | 30 - 4 |
| 31 - 1 | 32 - 3 | 33 - 2 | 34 - 5 | 35 - 1 | 36 - 4 | 37 - 2 | 38 - 5 | 39 - 3 | 40 - 2 |
| 41 - 5 | 42 - 4 | 43 - 4 | 44 - 3 | 45 - 3 | 46 - 4 | 47 - 2 | 48 - 2 | 49 - 4 | 50 - 1 |
| 51 - 3 | 52 - 4 | 53 - 3 | 54 - 5 | 55 - 1 | | | | | |

Part 2 - Advanced

Directions (1-3): In each of the questions given below, a group of digits are given followed by. Four combinations of letters numbered (1), (2), (3) and (4). You have to find out which of the four combinations correctly represents the group of digits below. If none of the four combinations represents the group of digits correctly, give (5) i.e. „None” as the answer.

Digit: 9 2 1 7 5 3 6 4 8

Letter: B V M L D P A F R

Conditions for coding the group of digits:

(i) If the last as well as the fourth digits are even, both are to be coded by the code for the first digits.

(ii) If the first as well as the second digits are odd, both codes are to be interchanged.

1. 357416

- 1) BBLPMP 2) PPLFMA 3) PVLFMA 4) DPLPMP 5) None of these

2. 734192

- 1) LVAMBV 2) VLFMLV 3) PPFMBV 4) LPFMVB 5) None of these

3. 123682

- 1) VMAMBV 2) MVPMRM 3) MVPMFM 4) LFMVBP 5) None of these

Directions (4-8): In a certain code language,

Give solution for problem - #E4, \$R3, *M7, @N8

Pure first sale great - @E4, \$T5, #T5, *E4

Pet sensed ghostly form - *T3, \$M4, @D6, #Y7

Spa guards picked flake - #S6, *D6, \$E5, @A3

4. What is the code for 'search from page'?

- 1) *E4 @H6 \$M4 2) \$R3 *E4 @D5 3) *M7 @H5 #E4

- 4) @N8 \$M4 @H5 5) Cannot be determined

5. What is the code for 'solution'?

- 1) #E4 2) \$R3 3) *M7 4) @N8 5) Cannot be determined

6. Which of the following code can be coded for 'FRIENDS'?

- 1) #S7 2) \$R7 3) \$S7 4) @S6 5) Cannot be determined

7. What is the code for 'Gross'?

- 1) #S5 2) \$S3 3) *S7 4) #N5 5) Cannot be determined

8. What is the code for 'Payment'?

- 1) #T4 2) \$T7 3) *T7 4) @N7 5) Cannot be determined

9. "Bunch grapes means honest" is coded as "k25<r v25=s x16>g m16+r "Clutch lyrics fluffy thanks" is coded as "u25>x r25+r m25=r g25<g "System level works properly" is coded as

g25<1 p16=r v16+k k49>x "Rainbow smell pastry peties" is coded as " o16<k r25+r g25>x m36=v The code for Bunch, Clutch, Honest and system is

Directions (10-13): In a certain code language,

Arrive today eagles later is written as 21*R, 6A, 14O, 25*A

Begin work faster table is written as 14A, 17%O, 26*A, 22E

Length error arrow burn is written as 6*E, 25R, 22%U, 21R

Trial better than wisdom is written as 14R, 14%H, 22*E, 17*I

10. What will be the code for the "Table"?

- 1) 14A 2) 14*A 3) 14%A 4) 20\A

11. What do you understand by code 6\A

- 1) Arrive 2) Earlier 3) Length 4) Letter 5) Today

12. What will be the code for letter Y and X

- 1) 18 and 17 2) 19 and 18 3) 18 and 22 4) 19 and 22

13. What will be the code for the word "WISDOM"

- 1) 14*I 2) 17%W 3) 17*I 4) 18\$I

14. fasting relax digestive system - g10 f5 i28 e6 boosts brain function efficiency - h45 j28 e10 f30 increases energy daily body - d15 e10 f10 i20 fasting cures life threatening - g10 e26 k20 d14 What is code for get well suffer?

Directions (15-16): Study the information carefully and answer the questions given below. In a certain code language

"Mumbai boy kush bhagat" is coded as '213 30 61 213'

"Title by world chess" is coded as '128 5 128 128'

"Western Asian youth championship" is coded as '346 128 128 1725'

"First ever indian to claim the" is coded as '128 61 213 5 128 30'

Now answer the following questions with respect to the pattern of coding followed above:

15. What will be the code for "tantra Britain asparagus"?

- 1) 216 343 256 2) 213 346 732 3) 243 159 658
4) Can't be determined 5) None of these

16. 509 is most probably the code for?

- 1) Charismatic 2) Coffee 3) Comedian 4) Culprit 5) Chariot

17. In a certain number system there are only two notations to represent numbers: @ and <. 0 is represented by @ and

1 by <. The subsequent numbers are represented in the following manner.

2 is represented as <@

3 is represented as <<

4 is represented as <@@

5 is represented as <@< and so on based on this coded language, answer the following questions Find the product of <@<< and <@<<

- 1) <<<<<<< 2) <<<<@< 3) <<@<@<< 4) <@<@<@<@< 5) <<<@<@<<

Directions (1): Study the information below and answer question "keep calm and enjoy" is coded as "5#z 5©x 2%v 2©p"

"the clam and silence" is coded as "5©x 4#g 4&h 5#z" "put the things back" is coded as

"7#k 7©y 4#g 8\$g" "talk softly and gently" is coded as "5#z 2\$t 7©g 2\$h"

18. what is the code for "keep moving here"?

- 1) 2\$n 4\$s 7\$p 2) 2\$n 4©s 2©p 3) 2\$n 4#g 7©p
4) 7©P 4#p 5#z 5) 2\$n 4©s 7©y

Answers

1. DPLPMP
2. None of these
3. MVPMRM
4. *E4 @H6 \$M4
5. @N8
6. #S7
7. #S5
8. *T7
9. -
10. 14A
11. Earlier
12. 19 and 18
13. 17*I
14. c5 d5 f26
15. 213 346 732
16. Culprit
17. <<<<@@<
18. 2\$n 4©s 2©p