Reasoning Workbook
1. Coding and Decoding
PART-A

Model 1

1. 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

2. 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

3. 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

4. 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

5. 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

6. 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

7. 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

8. 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

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'**.

9. What is the code for 'him'?
    1) ga   2) ve   3) ja   4) se   5) Cannot be determined

10. What does 'bi' stand for?
    1) profit   2) order   3) place   4) for   5) now

11. What is the code for 'order'?
    1) ye   2) ga   3) bi   4) ja   5) ho

12. '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

13. 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

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:

i.   If both the first and the last letters are vowels, their codes are to be interchanged.

ii. 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.

iii. 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. RPDAEK

 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 #%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) OQPCKD   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?

1) 3652   2) 3246   3) 3856   4)3456   5) None of these

29. In a certain code DESIRABLE is written as JTFEQFMCB How is DIMENSION written in that code?

1) FNJEMTJPO   2) FNJEOOPJT   3) FNJEMOPJT 4) EJNFMOPJT 5) None of these

30.In a certain code LETHARGY is written as ZHSBMFUI. How is MANGROVE written in that code?

1) FUPSNBOH   2) SPWFNBOH   3) SPWFHOBN   4) FWPSNBOH   5) None of these

31.By the following certain logic MTUXTRVN is written as NUVXTQUM. How is ASUMNJKL written in that logic?

1) BTVMNIJK   2) BTVMNKLM   3) BTVNMIJK   4) ZRTMNIJK   5) None of these

32.In a certain code language the word LATEST is written as IDQHPW. How will the word PAPERS be written in that language?

1) SXSBUP   2) MDSBUP   3) MDMHOV   4) MDMHUV   5) None of these

33.If TOUR is coded as 1234, CLEAR as 56784 and SPARE as 90847, then SCULPTURE will be coded as

1) 983602358 2) 953601347 3) 963601354 4) 945602460   5) None of these

34.In a certain code language the word ATMOSPHERE is written as BSLPROGFQF. How will the word NEIGHBOURS be written in that language?

1) MFJHGAPVQR   2) MFJFGAPVQR   3) ODJFIAPTSR

4) ODJEIAPTSR   5) None of these

35.In a certain code, 764 means 'you are tall', 648 means 'are you sick', and 148 means 'they are sick'. Then which of the following will certainly not be the code for 'tall persons are sick'?

1) 7148   2) 7548   3) 7048   4) 7248   5) 7348

36. In a certain code language the word GLANCING is written as HNDRGLPH. How will the word COURTESY be written in that language?

1) DQUXYHVZ   2) DQUXXHVZ   3) DQVXXHUZ

4) DQXVXHUZ   5) None of these

37. If ROSE is coded as 6821, CHAIR is coded as 73456 and PREACH is coded as 961473, what will be the code for SEARCH?

1) 246173   2) 214673   3) 214763   4) 216473   5) None of these

38. If 'ice' is called 'water', 'water' is called 'rain', 'rain' is called 'wind', 'wind' is called 'air' and 'air' is called 'sky', then you will find amphibians on land and in

1) wind   2) water   3) sky   4) air   5) rain

39. In a certain code language the word PHYSICIAN is written as KSBHRXRZM. How will the word MENDELSON be written in that language?

1) NVMVWOHLM   2) MVMWVOHLN   3) NVMWVOHLM

4) NVMWVOLKM   5) None of these

40. In a certain code language RENOWNED is written as DEENNORW. How is INFORMATION written in that code?

1) NONFIOIRAMT   2) AFIIMNNOORT   3) AFIMINNOORT

4) AIFINMNOROT   5) None of these

41. In a certain code language INHALE is written as FLKQEKZBKMDF. How is PARCEL written in that code?

1) MSDXOUBDDFKM   2) MSXDUOBDDFKM   3) MSXDOVBDDFKM

4) MSXDOUBDDFFM   5) None of these

42. 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

43. If AT = 20 and BET = 200, then what is FAT =?

1) 500   2) 100   3) 300   4) 120   5) None of these

44. 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'.

45. What is the code for 'ideas'?

   1) sha   2) ba   3) gi   4) ma   5) Cannot be determined

46. What does 'fa' stand for?

   1) thoughts   2) insights   3) new   4) and   5) solution

47. '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

48. What is the code for 'new'?

   1) ki   2) ri   3) to   4) fa   5) ba

49. 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

50. 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'.

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

Conditions:

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

   ii. If the first letter is a vowel and the last a consonant, the codes for the two are to be interchanged.

iii. If both the first and the last letters are consonants, both are to be coded as '§'.

iv. If there are more than two vowels in the group of letters, all vowels are to be coded as '£'.

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) £$@©££   2) $9@©35   3) $@9©35   4) £©$©££   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 - 2	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-B

1. MONTH : NMQPM :: PAPER: _____

1) QYTBV   2) QXSBX   3) QYTAV   4) QYSAW   5) QWPKV

2. MARINE : AIENRM :: DISGUISE _____

1) IGIEDSUS   2) IDGSIUES   3) IGESRNPQ   4) IGEIUSSD   5) IGIESUSD

3. BCD: 234 :: _____ : 678

1) CDE   2) EFG   3) GHF   4) FGH   5) EDC

4. H : S :: C _____

   1) P   2) Q   3) T   4) R   5) X

5. BCE: DIY :: ADFG : _____

   1) APLV   2) APIW   3) AIPW   4) APJW   5) AQJW

6. NATURE : PEVASI :: ISOMERS : _____

   1) OTUNJTV   2) OTUNIST   3) PUVNJST   4) OVTNJST

   5) OUTVJRV

7. In a certain code, MENTION is written as LNEITNO. How is PATTERN written in that code?

   1) OTAETNR   2) OTARNTE   3) RNTEOTA   4) TEOTARN

   5) None of these

8. If ALTERED is written as ZOGVIVW, then RELATED would be written as _____.

   1) ZGVWIVO   2) IVOZGVW   3) IVOVWZG   4) GVWZOVI

   5) None of these

9. If D = 4 and COVER = 63, then BASIS =?

   1) 60   2) 40   3) 30   4) 20   5) 50

10. If "strong" is coded as "uvtqpi", then how is "docile" written in that code?

   1) fqekmg   2) fqekng   3) fqejng   4) fqdkng   5) None of these

Answers:

1 - 5	2 - 3	3 - 3	4 - 3	5 - 4	6 - 2	7 – 1	8 – 2	9 – 5	10 - 2