Practice CORNER 4.1

1. In a certain language, WOMEN is written as OWMNE. How will NOTES be written as in that code language?
[UPSSSC junior Assistant 2020
(a) TONES (b) SETNO (c) ONTSE (d) ONETS

2. If NOVEMBER is coded REBMEVON and DECEMBER is coded REBMECED, then how is OCTOBER coded? [MP Police 2017
(a) RETBOCO (b) RTECBRO
(c) REBTOOC (d) REBOTCO

3. If in a certain code, 'GIGANTIC' is written as 'GIGTANCI'. How 'MIRACLES' be written in that language?
(a) MIRLCAES (b) MIRLACSE
(c) RIMCALSE (d) RIMLCAES

4. If in a certain code, 'EXPLAINING' is written as 'PXEALNIGNI'. How will 'PRODUCED' be written in that language?
(a) ORPBUDEC (b) ROPUDECD
(c) ORPUDDEC (d) DORPDECU

5. If in a certain code language 'SYSTEM' is written as 'SYSMET', 'NEARER' is written as 'AENRER', then how will 'FRACTION' be written in that language?
(a) CARFNOIT (b) CARFTION
(c) ARFCNOIT (d) FRACNOIT

6. If 'MEAT' is written as 'TEAM', then 'BALE' is written as
(a) ELAB (b) EABL (c) EBLA (d) EALB

7. In a certain coded language, if 'LITMUS' is written as 'SMIUTL' and 'INDIGO' is written as 'OINGDI', then how is the word 'JAGGER', would be written in that language? [UPSSSC Combined Lower Subordinate 2019
(a) RGAEGJ (b) RGJEGA
(c) RGAGEJ (d) RGJEAG

8. If 'SWAMINATHAN' is coded as 'NAHTANIMAWS' in a certain code language, then how would you code 'SIRNAME' in that language?
(a) EMAMSIR (b) EMARNIS
(c) EMNARIS (d) EMANRIS

9. In a certain code language 'BREAKDOWN' is written as 'NWODKAERB', then how will 'TRIANGLES' be written in that language?
(a) SELGNTRIA (b) AIRTNSELG
(c) SELGNAIRT (d) AIRTGNSEL
(e) None of these

10. In a certain coding system, PAPER is written as PERPA and SUBJECT is written as JECTSUB, what should be the code for COUNCIL? [SBI Clerk 2016
(a) NCILCOU (b) LICNOUC
(c) NCOUCIL (d) NLICUOC
(e) None of the above

11. If in a certain code, 'DAUGHTER' is written as 'TERDAUGH', how will 'APTITUDE' be written in that code?
(a) DEUAPTIT (b) UDEAPTIT
(c) DUEAPTIT (d) DAUEPTIT

12. If STOVE is coded as EVOTS and CANDLE is coded as ELDNAC, then REPORT is coded as?
[SSC GD Constable 2015
(a) QDONQS (b) SEQPSU
(c) PORTRE (d) TROPER

13. In a certain code, 'REFRIGERATOR' is coded as 'ROTAREGIRFER'. Which words from the following would be coded as 'NOITINUMMA'?
(a) ANMOMIUTMI (b) AMNTOMUIIN
(c) AMMUNITION (d) NMMUNITIOA

14. If 'VEHEMENT' is written as 'VEHETNEM', then how 'MOURNFUL' be written in that code language?
(a) MOURLUFN (b) MOUNULER
(c) OURMNFUL (d) URNFULMO

15. In a certain code language, 'COMPUTRONE' is written as 'PMOCTUENOR'. How is 'ADVANTAGES' written in that same code?
(a) ADVANSEGAS (b) ADVTANSEAG
(c) AVDANTAGES (d) AVDATNSEGA

16. In a certain language, 'EXECUTIVE' is coded as 'TCIEUXVEE', then how is 'MAUSOLEUM' coded in that same language?
(a) LSEUOAUMM (b) AUUCOSLMM
(c) AUEUOSEMM (d) SLUEOAUMM

17. A military code writes SYSTEM as SYSMET and NEARER as AENRER. Using the same code, FRACTION can be written as [UPSC Pre 2016
(a) CARFTION (b) FRACNOIT
(c) NOITCARF (d) CARFNOIT

18. If 'NEUROTIC' can be written as 'TICRONEU' then how can 'PSYCHOTIC' be written?
(a) TICOCHPSY (b) TICCHOPSY
(c) TICCOHPSY (d) TICHCOPSY

19. In a certain code language, 'BRAIN' is written as 'CSBJO', then how is 'MAKER' written in that code language? [UPSC Pre 2016
(a) BNLFS (b) NBLFS
(c) FSLBN (d) NBLFT

20. If in a certain code language 'NAME' is written as 'MZLD', then how will 'PEON' be coded in that language?
(a) ODNM (b) ODMN
(c) ONDM (d) OMND

21. In a certain code, 'PAISE' is coded as 'QBJTF' and 'CEASE' is coded as 'DFBTF'. How will 'TRANGLE' be coded in the same code? ⊤ FCI Assistant 2015
(a) USBOIMF (b) USBMHMF
(c) USOBIMF (d) USBOHMF

22. If in a certain code language 'MARS' is written as 'ZNEF', then how will 'ARMS' be written in that language?
(a) NEZF (b) FENZ (c) NFZE (d) MEZF

23. 'BEHK' is related to 'DGJM' in the same way as 'NQTW' is related to ⊤ UP Police Constable 2018
(a) PRTV (b) ORTV (c) PSVY (d) PRUX

24. If in a certain code language 'SISTER' is written as 'RHRSDQ', then how will 'UNCLE' be written in that language?
(a) TMBDK (b) TMBKD (c) TMDKB (d) TMKBD

25. In a code language, if BUTTER is coded as EXWWHU and MILK is coded as PLON, then in the same code language, how will EARTH be coded?
(a) HDWUK (b) HDUWK
(c) KHDUW (d) KHUWD

26. If in a code language DIAMONDS is written as EIBMPNES, how will PLATINUM be written as in the same language? ⊤ UPSSSC Combined Lower Subordinate 2016
(a) QLTBNJVM (b) PMAUIOUN
(c) PMAIVOUN (d) QLBTJNVM

27. In a certain code DREAMING is written as BFSEFMHL, how is SELECTED written in that code? ⊤ SBI PO 2015
(a) FMFTCDSB (b) FMFTEFUD
(c) EKDRCDSB (d) EKDREFUD
(e) None of these

28. In a certain code, 'FLOWERS' is written as 'EKNVDQR'. How will 'SUPREME' be written in that code?
(a) TQDROLD (b) RTODQLD
(c) TQDDROL (d) RTOQDLD

29. If in a certain code language 'TRIVENDRUM' is written as 'VTKXGPFTWO', then how will 'ERNAKULAM' be written in that language?
(a) GTPCMWNOC (b) GTPCMWNCO
(c) GTPCMNWCO (d) GTPMCWNCO

30. In a certain code language, SKEW is written as POCY. Which word will be written as JYQV as in that code language ? ⊤ UPSSSC Junior Assistant 2020
(a) JUST (b) MUST (c) LUST (d) HUSK

31. In a certain language, 'MADRAS' is coded as NBESBT, how is 'BOMBAY' coded in that language?
⊤ UKPSC Lower Subordinate Service 2016
(a) DPNCBX (b) CPNCBZ
(c) CPNCBY (d) DPNCBZ

32. In a certain coded language, if 'TABLE' is written as 'VEDNI' and 'CHAIR' is written as 'EJEOT', then how is the word 'BENCH' would be written in that language? ⊤ UPSSSC Combined Lower Subordinate 2019
(a) DIPFJ (b) DGPEJ (c) DIPEJ (d) DGPFT

33. If in a certain code language 'VANDANA' is coded as 'TYLBYLY', 'TOP' is coded as 'RMN', then how will 'SUMPTUOUS' be coded in that language?
(a) QSKNRSMSQ (b) QSKNRSMQS
(c) QSKNRMSQS (d) QSKRNMSQS

34. In a certain code language, 'BROWSE' is written as 'GUYQTD'. How will 'AMALGAM' be written as in that language? ⊤ SSC (10+2) 2020
(a) CONCICO (b) OCINCOC
(c) DPMDGCP (d) PMDGCPD

35. If in a certain code language 'TEAM' is written as 'YJFR', then how will 'CREATE' be written in that language?
(a) HWJFJY (b) HWJFYJ (c) HWFJYZ (d) HWFJYJ
(e) None of these

36. If HANDLE is coded AHDNEL, then how is DISTANCE coded?
(a) IDTSNAEC (b) IDTSNACE
(c) IDTSANEC (d) DISTNACE

37. In a certain code language LESSON is coded as NGUQML. How will PUZZLE be coded in that code language?
(a) RWXBJP (b) RVBXJC
(c) RWBXJC (d) RUBJXC

38. In a certain code language 'SHORE' is written as 'QFMPC', then how will 'WNKGL' is written in that language?
(a) NIMPY (b) YPMIN (c) ULIEJ (d) ULIGE
(e) None of these

39. In a certain code, SOBER is written as RNADQ. How can LOTUS be written in that code?
(a) KNSTR (b) MPUWT (c) KMSTR (d) LMRST

40. In a certain code language, 'GROUND' is written as 'BMJPIY.' What will be the code for 'FREAK' in that code language? ⊤ SSC MTS 2019
(a) BOAYH (b) AMYVF (c) BNAWG (d) AMZVF

41. If MINARET is coded as JFKXOBQ, then how will BUY be coded? ⊤ UPSSSC Mandi Parishad 2018
(a) YRV (b) ZBD (c) EHK (d) LOR

42. If code for 'SET' is 'UGV', then what would be the code for 'BRICK'?
(a) CSJDL (b) DSJEM (c) DTKEM (d) DTKFM

43. In a certain code 'RAIN' is written as 'TCKP'. How is 'CLOUD' written in that code?
(a) ENQWF (b) EMQWF (c) FNQWE (d) ENRWF

44. If 'DAILY' is coded as 'XKHZC' in a code language, then how would you code 'FERTILE' in that code language?
(a) DKHSEDQS (b) DMHUQFE
(c) DKHSQDE (d) DJHRQCE

45. If in a certain code language 'ARIHANT' is written as 'BTLLFTA', then how will 'HONESTY' be written in that code?
(a) IQQIZFX (b) IQQXIZF
(c) IQQIXZF (d) IQQIXFZ

46. If GOODNESS is coded as HNPCODTR, how GREATNESS can be written in that code?
⊤ Delhi Police CAPF 2015
(a) HQZSMFRT (b) HQFZUFRTM
(c) HQFZUODTR (d) HQFZUMFRT

47. If 'MUSICAL' is written as 'KWQKACJ', then how can 'SPRINKLE' be written? ⊤ SSC (CGL) 2013
(a) QRBKCNJG (b) QNPGLIJC
(c) QRPKLMJG (d) URTKPMNG

48. If LSJXVC is the code for MUMBAI, then code for DELHI is ⊤ UPPSC Pre 2018
(a) CCIDD (b) CDKGH
(c) CCJFG (d) CCIFE

49. If in a certain code language 'RUNNER' is written as 'SUMMER', then how will 'WINTER' be written in that language? ⊤ UPPCS 2006
(a) XIMSER (b) VINTER
(c) SINVER (d) XIOUER

50. In a certain coded language if 'JOKER' is coded as 'KNLDS' and 'CLOWN' is coded as 'DMNXO', then how is the word 'FUNNY' coded? ⊤ UPSSSC Cane Supervisor 2016
(a) GVOOZ (b) GTOMZ (c) GTOOZ (d) GTMOZ

51. In a certain code language, 'FRANK' is written as 'GQBML'. How is 'MARCO' written in that code language? ⊤ SSC 10+2 2018
(a) NYTPB (b) MZSCQ
(c) NZSBP (d) NQPBT

52. If in a certain code language 'KAMLESH' is written as 'GUJLMCO', then how will 'NATURAL' be written in that language?
(a) TCNUPCV (b) TCOUPVC
(c) TCUOPVC (d) TCOUVCP

53. If in a certain code language 'GREAT' is written as 'UBESH', then how will 'NIGHT' be written in that language?
(a) UIJOG (b) UIGOK (c) UIGOJ (d) UIGJO

54. If in a certain code language 'WHEN' is written as 'VGFO', then how will 'POLICE' be written in that language? ⊤ UBI (Clerk) 2011
(a) ONKHBD (b) ONKJDF
(c) OPKJBF (d) QPMHBD
(e) None of these

55. If in a certain code 'BOXER' is written as 'AQWGQ', then how will 'VISIT' be written in that language?
(a) UKRKU (b) UKRKS
(c) WKRKU (d) WKRKS

56. If in a certain code language 'PAINTER' is written as 'NCGPRGP', then how will 'REASON' be written in that language?
(a) PCYQMN (b) PGYQMN
(c) PGYUMP (d) PGYUPM

57. In a certain language, if BOXER is coded as CQAIW, which word will be coded as BEWSW?
⊤ RRB Group D 2018
(a) AFTOR (b) ADTOR (c) ACTOR (d) ACSOR

58. If 'BEAUTY' is coded as 'DHEZZF', then how will 'FLOWER' be written in that language?
(a) HSOBYK (b) HBOSKY
(c) HOSBKY (d) SBKYOH

59. If in a certain code language the word POLITICAL is written as QNMHUHDZM, then in the same code language how will you write the word 'SOCIAL'?
⊤ SSC GD Constable 2018
(a) DBKNTH (b) NTHDBK
(c) DHBKTN (d) TNDHBK

60. In a certain language, EMBEZZLE is coded as MEEBZZEL. How will MAXIMIZE be coded in the same language?
(a) AIMXMIEZ (b) AMIXIMEZ
(c) AMIMIXEZ (d) EMIXIMEM

61. If in a certain code language 'COMPUTE' is coded as 'FSVONND', then how will 'DISTURB' be coded in that language? ⊤ OBC (PO) 2009
(a) CSVSTHE (b) CQVSTHE
(c) CQVTSHE (d) CSVTSHE
(e) None of these

62. In a certain code language, 'RIGIDS' is written as 'TFIFFP'. What will be the code for 'CORNET' in that code language ? ⊤ SSC MTS 2019
(a) GNVMIS (b) FMULHR
(c) ELTKRQ (d) ELTKGQ

63. If in a certain code language 'FAME' is written as 'LGGY', then how will 'LION' be coded in that language?
(a) RHIO (b) ROIH (c) RHOI (d) RIOH

64. If in a certain code language 'RELATED' is written as 'EFUBKDQ', then how will 'RETAINS' be written in that language? ⊤ PNB (Clerk) 2010
(a) SDQBTOJ (b) JOTBQDS
(c) JOTBSDQ (d) TOJBSDQ
(e) None of these

65. In a certain coded language if 'MONSOON' is coded as 'PMQQPMO' and 'WINTERS' is coded as 'UPGRPGY', then how is 'SUMMERS' coded? ⊤ UPSSSC VDO 2018
(a) TVNNFST (b) TCQKWOS
(c) QWKOCTS (d) UPGKOSU

66. In a certain code language, 'HAMMER' is written as 'ICPQJX'. How will 'WRENCH' be written as in that language? ⊤ SSC (CGL) 2020
(a) XTIRHN (b) XTHRHN
(c) XTIRIN (d) XTHRIN

67. If in a certain language GAMBLE is coded as FBLCKF, how is FLOWER coded in that language ?
⊤ UPSC Assistant Commandant 2019
(a) GMPVDS (b) GKPVFQ
(c) EMNXDS (d) EMNTDS

68. In a certain code, 'BISLERI' is written as 'CHTKFQJ' and 'AQUA' is written as 'BPVZ'. How is 'KINGFISHER' written in that same code?
(a) LHOFGHTGFQ (b) LHOGFTHGFQ
(c) LHOQFTHGFQ (d) LHOHGTFGFQ

69. In a certain code language, 'CURATIVE' is written as 'BSVDDUHS'. How 'STEAMING' is to be written in the same code language?

(a) BFUTFMHL (b) TUFBFMHL
(c) BFUTLHMF (d) BFUTHOJN

70. In a certain code, 'MOUSE' is written as 'PRUQC'. How is 'SHIFT' written in that same code?

[T] Vijaya Bank (Clerk) 2010

(a) VKIRD (b) VKIDR (c) VJIDR (d) VIKRD
(e) None of these

71. If 'LOFTY' is coded as 'LPFUY', then 'DWARF' will be written as [T] RBI (Grade 'B') 2011

(a) DXASF (b) DXBSG (c) DXATF (d) DWBSG

72. In a certain code 'PRISM' is written as 'OSHTL' and 'RUBLE' is written as 'QVAMD'. How will 'WHORL' be written in that code? [T] Allahabad Bank (PO) 2011

(a) XIPSM (b) VINSK
(c) UINSK (d) XGPQM
(e) None of these

73. In a certain code language, U is written as C. K is written as H, L is written as U, N is written as E, S is written as L, E is written as K, and C is written as N, How will 'KNUCKLES' be written as in that language ?

[T] SSC CGL 2019

(a) KECNKUHL (b) CHUECKN
(c) HECNHULK (d) HECNHUKL

74. If in a certain code language 'TEMPERATURE' is written as 'BZQDYXVBNXZ', then how will 'RAMP' be written in that language?

(a) XQVD (b) XDVQ (c) XVDQ (d) XVQD

75. If in a certain code language, 'RAW' is written as 'TIN', 'NET' is written as 'SHG', how is 'WATER' written in that code ? [T] SSC MTS 2019

(a) GHTIN (b) TINGH
(c) NIGHT (d) NIGTH

76. In a language, FIFTY is written as CACTY. CAR as POL, TAR as TOL. How can TARIFF be written in that language? [T] Delhi Police CAPF 2015

(a) TOEFDD (b) TOEFEL
(c) TOLADD (d) TOLACC

77. If in a certain code language 'STAG' is written as 'HGZT', 'HORN' is written as 'SLIM', then how will 'NORTH' be written in that language? [T] SSC (MTS) 2010

(a) NLGMI (b) MLIGS
(c) MGLIS (d) NLGIS

78. If in a certain code language 'PEN' is written as 'NZO', 'BARK' is written as 'CTSL', then how will 'PRANK' be written in that language? [T] SSC (MTS) 2013

(a) NZTOL (b) CSTZN
(c) NSTOL (d) NTSLO

79. In a certain code language, APPROACH is coded as CHOAPRAP. How will RESTRICT be coded?

[T] SSC CGL 2016

(a) CTRISTER (b) ERTSIRTC
(c) CTRISTRE (d) TCIRSTRE

80. If in a certain code language 'PARENT' is written as 'BDFGJK' and 'CHILDREN' is written as 'MOXQUFGJ', then how will 'REPRINT' be written in that language? [T] SSC (CPO) 2005

(a) FGBFXGD (b) BGBFXJK
(c) FGBUXJK (d) FGBFXJK

81. If the word 'TABLECLOTH' is coded as 'XEMRANRIXT', how can 'HOTEL' be coded? [T] RRB (ASM) 2011

(a) RIXAT (b) TIXAR
(c) TAXIR (d) RAXIT

82. If in a certain code 'OPERATION' is written as 'BWDATXPBJ' and 'PARENT' is written as 'WTADJX', how will 'ORIENT' be written in that code?

[T] SSC CAPF 2018

(a) PSJFOU (b) BAPDJX
(c) BPADJX (d) BWPDJX

83. If the word 'EARTH' is written as 'QPMZS' in a coded form, how can 'HEART' be written in the same coding language?

(a) SQPZM (b) SQMPZ (c) SPQZM (d) SQPMZ

84. In a certain code language 'CANDLE' is written as 'D1OEM2' and 'MODERN' is written as N4E2SO. How will 'BEWARE' be written in the same code language?

[T] SSC CAPF 2018

(a) D2OEM2 (b) C2X2S2
(c) CFY2S2 (d) C2X1S2

85. In a code language, 'APPLE' is written as 'PQQRS', 'RIS' is written as 'ABC' and 'MANGO' is written as 'TPXYZ'. How will 'ROSE' be written in that same code language?

(a) ABCS (b) ACBS (c) AZSC (d) AZCS

86. In a code language, 'PRINCE' is written as 'FLOWER' and 'PRINCESS' is written as 'FLOWERSS'. Which of the following word would be coded as 'SLOWERS'?

(a) SRINCES (b) SIRNCES
(c) SRNICES (d) None of these

87. In a code language, 'ORGANISATION' is written as 'CBDWLQJWYQCL' and 'OPERATION' is written as 'CXFBWYQCL'. How would 'SEPARATION' be coded?

(a) EJXEBYQCL (b) JFQYWBCXQL
(c) JFXWBWYQCL (d) QCLYWBFXJE

88. In a certain code, 'ZOOM' is written as 'POON' and 'ROAD' is written as 'QOBE'. How would 'NOMP' be coded in that code language?

(a) PONX (b) QOHB (c) XONY (d) MONZ

89. In a certain code, 'FIRE' is written as 'QHOE' and 'MOVE' is written as 'ZMWE'. Following the same rule of coding, what should be the code for the word 'OVER'?

(a) MWED (b) MWEO (c) MWOE (d) MWZO

90. In certain code, FARMER is written as MAFMRE, in that code which word will be written as GIWALE?

[T] SSC CGL 2018

(a) VIALEGL (b) VAGIELL
(c) RIGAEL (d) VELAIGL

91. In a certain code, 'CERTAIN' is coded as 'XVIGZRM' and 'SEQUENCE' is coded as 'HVJFVMXV'. How would 'REQUIRED' be coded?
(a) FJIVWVIR (b) VJIFWTRV
(c) WVJRIFVI (d) IVJFRIVW

92. If 'WATER' is written as 'YCVGT', then what is written as 'HKTG'? ⊤ SSC (CGL) 2013
(a) IRFE (b) FIRE
(c) REFI (d) ERIF

93. If in a certain code language 'POPULAR' is written as 'QPQVMBS', then what word will be written for the code 'GBNPVT'?
(a) FASOUM (b) FAMOUS
(c) FAMOSU (d) FAMSUO

94. If in a certain code language 'ORIENTAL' is written as 'DHQNMBUO', then how will 'SCHOOLED' be written in that language?
(a) RBGNPMFE (b) NGBREFMP
(c) RBGNEFMP (d) NGBRPMFE
(e) None of these

95. If in a certain code language 'CROWNED' is written as 'PSDVEFO', then how will 'STREAMS' be written in that language?
(a) SUTDBNT (b) TUSDTNB
(c) SUTDTNB (d) QSRDTNB
(e) None of these

96. If in a certain language 'SOLDIER' is written as 'JFSCRNK', then how will 'GENIOUS' be written in that language?
(a) PVTHHFO (b) PNTHFDM (c) PVTHMDF
(d) TVPHFDM (e) None of these

97. CALANDER is coded in a code as CLANAEDR. Find the code for CIRCULAR under the same rule. ⊤ IB 2017
(a) CRIVACLR (b) CRIUCALR
(c) CRUICALR (d) CRIVCALR

98. In a certain code, 'TERMINAL' is written as 'NSFUMBOJ' and 'TOWERS' is written as 'XPUTSF'. How is 'MATE' written in that same code? ⊤ IBPS (Clerk) 2012
(a) FUBN (b) UFNB (c) BNFU (d) BNDS
(e) None of these

99. In a certain code language, COMBINE is written as XLNYRMV. How will TOWARDS be written in that code language? ⊤ SBI Clerk 2016
(a) FLDZIWJ (b) GLDZIWH
(c) GLEZJWH (d) FLEZIWH

100. If GRASP is coded as TIZHK, what will be coded as OVTZXB? ⊤ MPPSC 2018
(a) LEGATE (b) LEAGUE
(c) LEGACY (d) LEDGER

101. If in a certain code language 'ARIHANT' is coded as 'ZIRSZMG', 'BIRD' is written as 'YRIW', then how will 'PAINTER' be coded in that language?
(a) KZRMVGI (b) KZRMIGV
(c) KZRMGIV (d) KZRMGVI

102. If in a certain code language 'NATURAL' is coded as 'MZGFIZO', then how will 'CARE' be written in that language?
(a) XZIV (b) XZVI (c) XVZI (d) XIZV

103. If 'CAMERA' is coded as 'ZIVNZX' in a certain code language, then how would you code 'CHAPRA' in that code language?
(a) ZISKZX (b) ZIKSZX
(c) ZIKXSZ (d) ZIKZSX

104. If in a certain code language 'NEETA' is written as 'MVVGZ', then what word will be written for 'IZHSNR'?
(a) VANDAN (b) RASHMI
(c) ANJALI (d) POONAM

105. If in a certain code language 'TIGER' is written as 'GRTVI', then what word will be written for 'HMZPV'?
(a) GREAT (b) TRACK (c) PLATE (d) SNAKE

106. In a certain code, 'CLOCK' is written as 'XOLXP'. How will 'LOTUS' be written in that same code?
(a) OGLFH (b) OLGFH (c) LOGFH (d) OLGHF

107. In a certain code, 'LATE' is written as 'VGZO'. How will 'SHINE' be written in that same code?
(a) VRMSH (b) VMSHR
(c) VMRSH (d) MVRSH

108. If in a certain code language 'GO' is written as 'FHNP', then how will 'SUN' be written in that language?
(a) RTTOMV (b) RTTOVM
(c) RTTVOM (d) RTTVMO

109. If in a certain code language 'LAP' is coded as 'KMZBOQ', then how will 'NOTE' be written in that language? ⊤ Syndicate Bank (Clerk) 2011
(a) MONPSUFD (b) MONPUSDF
(c) MNOPSUDF (d) MONPSUDF
(e) None of these

110. If in a certain code language 'TOP' is written as 'OQNPSU', 'RAT' is written as 'SUZBQS', then how will 'GUN' be coded in that language?
(a) MTOHFV (b) MOTHFV
(c) MOTVHF (d) MOTVFH

111. If in a certain code language 'RAM' is written as 'QSZBLN', 'LOVE' is written as 'KMNPUWDF', then how will 'ACT' be written in that language?
(a) ZBBDSU (b) ZBBDUS
(c) ZBDBSU (d) ZDSUBB

112. If in a certain code language 'NAME' is written as 'MOZBLNDF', 'PUN' is written as 'OQTVMO', then how will 'TALK' be coded in that language?
(a) SUZBKMJL (b) SUZBKMLT
(c) SUZKBMLT (d) SUZKBIML

113. If in a certain code, HORSE is written as GINPQSRTDF, how will JOCKEY be written in that language ? ⊤ SSC CPO 2019
(a) IKNPBDJLDFXZ (b) IKNPDBJLFDZX
(c) KINPBDJLDFZX (d) KIPNBDJLDFXZ

114. If in a certain code language 'PICK' is coded as 'OQHJBDJL', then how will 'FLAT' be written in that language?

(a) EGKMZBSU (b) EGKMZBUS
(c) EGKMBZSU (d) EKGMZBSU

115. In a certain code language 'CHAT' is written as 'SUZBGIBD'. How will 'APT' be coded in that language?

(a) SUOBZQ (b) SUOZQB
(c) SUOQBZ (d) SUOQZB

116. In a certain code language 'PINKY' is coded as 'XZJLMOHJOQ'. How will 'VANDY' be coded in that language?

(a) XZCEMOZBUW (b) XZCEMOZBWU
(c) XZECMOBZUW (d) ZXCEMOZBWU

117. If in a certain code language 'TRUE' is coded as 'USSQVTFD', then what is the code for 'PRAY' in the same language?

(a) QSOQBZXZ (b) QOSQBZXZ
(c) QOSQBZZX (d) QOSBQZZX

Answers / WITH EXPLANATIONS

1. (*c*)

As W O M E N → 23 15 13 5 14 → O W M N E → 15 23 13 14 5

Similarly, N O T E S → 14 15 20 5 19 → O N T S E → 15 14 20 19 5

∴ NOTES ⇒ ONTSE

2. (*d*) As, 1 2 3 4 5 6 7 8 : N O V E M B E R → R E B M E V O N

and 1 2 3 4 5 6 7 8 : D E C E M B E R → R E B M E C E D

Similarly, 1 2 3 4 5 6 7 : O C T O B E R → R E B O T C O

3. (*b*) As,

1 2 3 4 5 6 7 8
G I G A N T I C
G I G T A N C I
1 2 3 6 4 5 8 7

Similarly,

1 2 3 4 5 6 7 8
M I R A C L E S
M I R L A C S E
1 2 3 6 4 5 8 7

∴ MIRACLES ⇒ MIRLACSE

4. (*c*) As, E X P L A I N I N G → P X E A L N I G N I

1 2 3 4 5 6 7 8 9 10 → 3 2 1 5 4 7 6 10 9 8

Similarly, P R O D U C E D → O R P U D D E C

1 2 3 4 5 6 7 8 → 3 2 1 5 4 8 7 6

∴ PRODUCED ⇒ ORPUDDEC

Here, the first three and the last letters are reversed as pairs and the rest of the letters are reversed in pair of two letters.

5. (*a*) As, S Y S T E M → S Y S M E T

1 2 3 4 5 6 → 3 2 1 6 5 4

and N E A R E R → A E N R E R

1 2 3 4 5 6 → 3 2 1 6 5 4

Similarly, F R A C T I O N → C A R F N O I T

1 2 3 4 5 6 7 8 → 4 3 2 1 8 7 6 5

∴ FRACTION ⇒ CARFNOIT

Here, the first half and second half of letter are within the reverse order.

6. (*d*)

As, M E A T → 1 2 3 4 → 4 2 3 1 → T E A M

Similarly, B A L E → 1 2 3 4 → 4 2 3 1 → E A L B

∴ BALE ⇒ EALB

7. (*a*) As,

1 2 3 4 5 6
L I T M U S
S M I U T L
6 4 2 5 3 1

and

1 2 3 4 5 6
I N D I G O
O I N G D I
6 4 2 5 3 1

Similarly,

1 2 3 4 5 6
J A G G E R
R G A E G J
6 4 2 5 3 1

∴ JAGGER ⇒ RGAEGJ

8. (*d*) As,

19 23 1 13 9 14 1 20 8 1 14 → 14 1 8 20 1 14 9 13 1 23 19

S W A M I N A T H A N → N A H T A N I M A W S

Similarly,

19 9 18 14 1 13 5 → 5 13 1 14 18 9 19

S I R N A M E → E M A N R I S

∴ SIRNAME ⇒ EMANRIS

9. (*c*) As, B R E A K D O W N → N W O D K A E R B

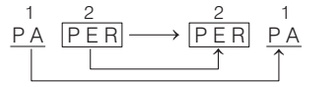
1 2 3 4 5 6 7 8 9 → 9 8 7 6 5 4 3 2 1

Similarly, T R I A N G L E S → S E L G N A I R T

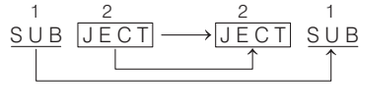
1 2 3 4 5 6 7 8 9 → 9 8 7 6 5 4 3 2 1

∴ TRIANGLES ⇒ SELGNAIRT

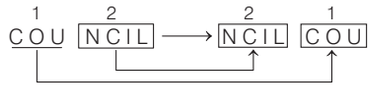
10. (*a*) As,



and



Similarly,



∴ COUNCIL ⇒ NCILCOU

11. (*b*) As,

D	A	U	G	H	T	E	R	→	T	E	R	D	A	U	G	H
1	2	3	4	5	6	7	8		6	7	8	1	2	3	4	5

Similarly,

A	P	T	I	T	U	D	E	→	U	D	E	A	P	T	I	T
1	2	3	4	5	6	7	8		6	7	8	1	2	3	4	5

∴ APTITUDE ⇒ UDEAPTIT

12. (*d*) As, STOVE $\xrightarrow{\text{Reverse order}}$ EVOTS

and CANDLE $\xrightarrow{\text{Reverse order}}$ ELDNAC

Similarly, REPORT $\xrightarrow{\text{Reverse order}}$ TROPER

∴ REPORT ⇒ TROPER

13. (*c*) As,

R	E	F	R	I	G	E	R	A	T	O	R
1	2	3	4	5	6	7	8	9	10	11	12

→

R	O	T	A	R	E	G	I	R	F	E	R
12	11	10	9	8	7	6	5	4	3	2	1

Similarly,

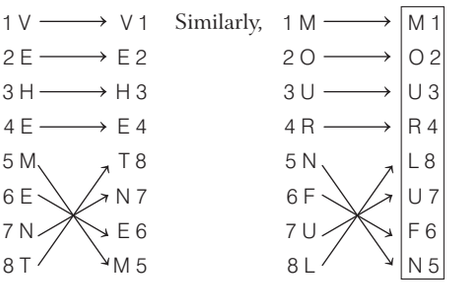
A	M	M	U	N	I	T	I	O	N	→
1	2	3	4	5	6	7	8	9	10	

N	O	I	T	I	N	U	M	M	A
10	9	8	7	6	5	4	3	2	1

∴ AMMUNITION ⇒ NOITINUMMA

Here, all letters are coded in reverse order.

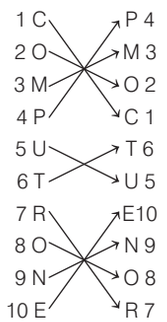
14. (*a*) As,



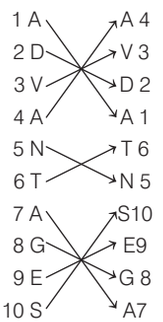
Similarly,

∴ MOURNFUL ⇒ MOURLUFN

15. (*d*) As,



Similarly,



∴ ADVANTAGES ⇒ AVDATNSEGA

16. (*a*) As,

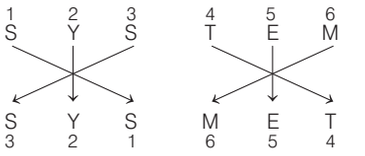
E	X	E	C	U	T	I	V	E	→	T	C	I	E	U	X	V	E	E
1	2	3	4	5	6	7	8	9		6	4	7	3	5	2	8	1	9

Similarly, MAUSOLEUM →

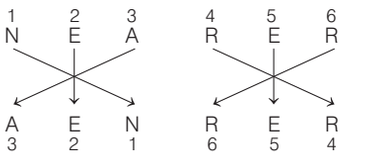
L	S	E	U	O	A	U	M	M
6	4	7	3	5	2	8	1	9

∴ MAUSOLEUM ⇒ LSEUOAUMM

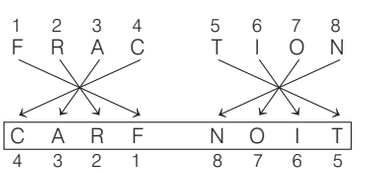
17. (*d*) As,



and

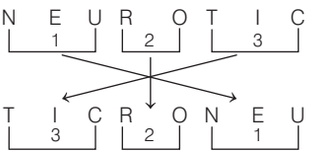


Similarly,

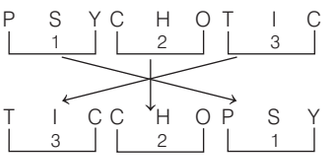


∴ FRACTION ⇒ CARFNOIT

18. (*b*) As,



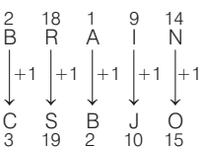
Similarly,



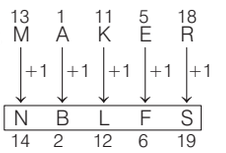
∴ PSYCHOTIC ⇒ TICCHOPSY

19. (*b*)

As,

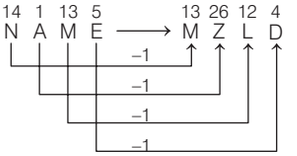


Similarly,

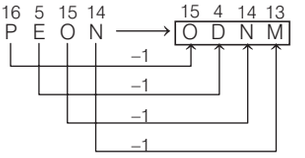


∴ MAKER ⇒ NBLFS

20. (*a*) As,

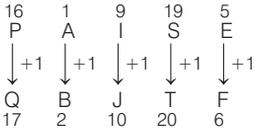


Similarly,



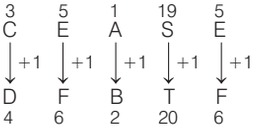
∴ PEON ⇒ ODNM

21. (*d*) In a certain code language, PAISE is coded as QBJTF



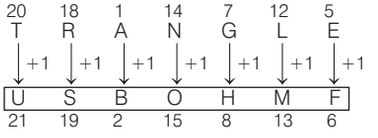
The above code follow a pattern of +1 in alphabetical position.

Also, CEASE is coded as DFBTF



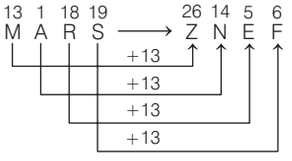
The above code also follow a pattern of +1 in alphabetical position.

Similarly, we can write the code for the word TRANGLE.

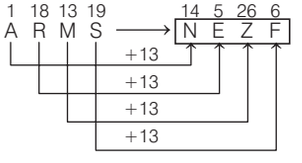


∴ TRANGLE ⇒ USBOHMF

22. (*a*) As,

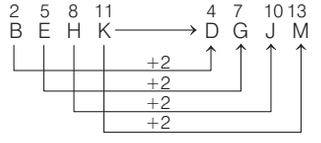


Similarly,

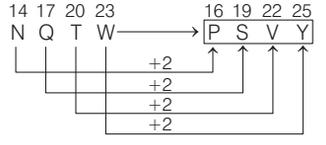


∴ ARMS ⇒ NEZF

23. (*c*) As,

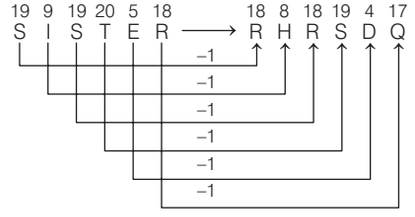


Similarly,

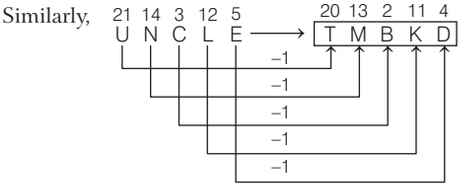


∴ NQTW ⇒ PSVY

24. (*b*) As,

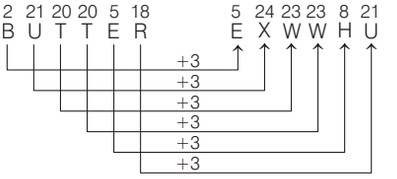


Similarly,

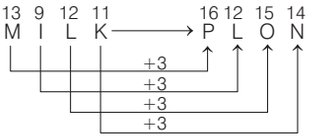


∴ UNCLE ⇒ TMBKD

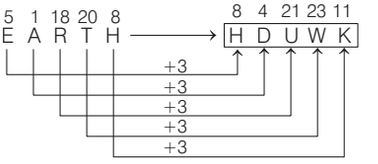
25. (*b*) As,



And

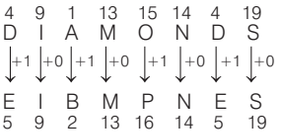


Similarly,

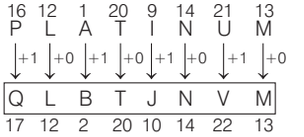


∴ EARTH ⇒ HDUWK

26. (*d*) As,

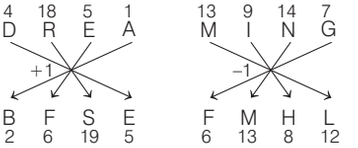


Similarly,

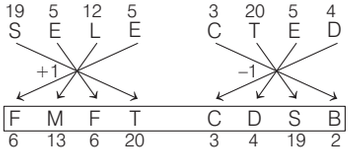


∴ PLATINUM ⇒ QLBTJNVM

27. (*a*) As,

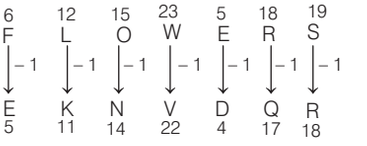


Similarly,

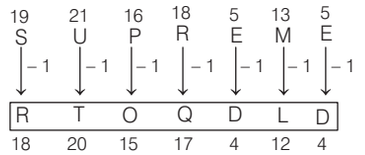


∴ SELECTED ⇒ FMFTCDSB

28. (*d*) As,

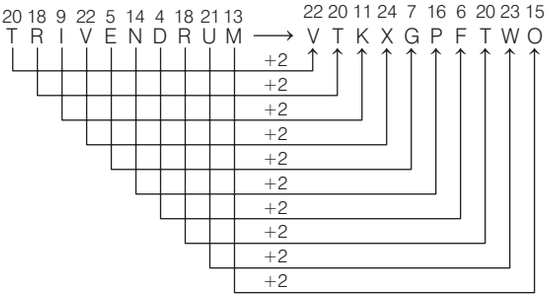


Similarly,

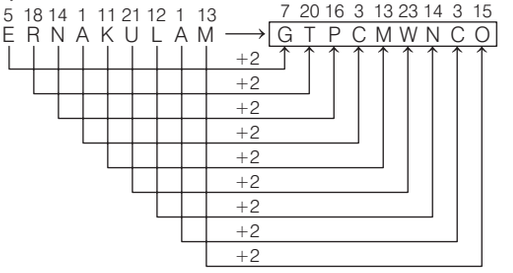


∴ SUPREME ⇒ RTOQDLD

29. (*b*) As,

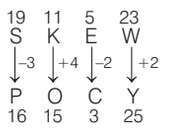


Similarly,

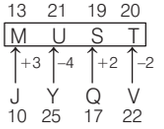


∴ ERNAKULAM ⇒ GTPCMWNCO

30. (*b*) As,

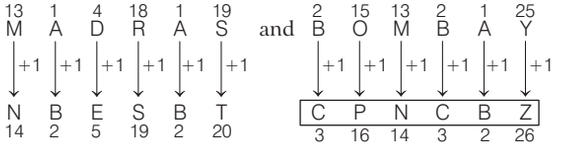


Similarly,



∴ MUST ⇒ JYQV

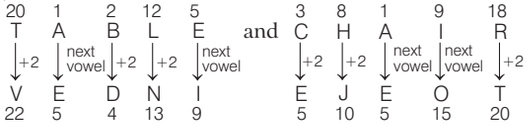
31. (*b*) As,



and

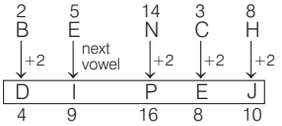
∴ BOMBAY ⇒ CPNCBZ

32. (*c*) As,

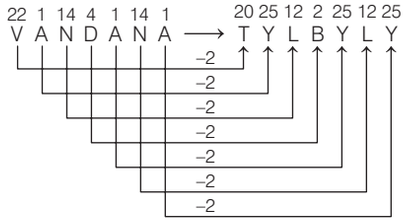


and

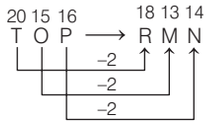
In this coding, the consonants are coded by the letters which are two places ahead of them and the vowels are coded with the next vowel according to the alphabetical series.



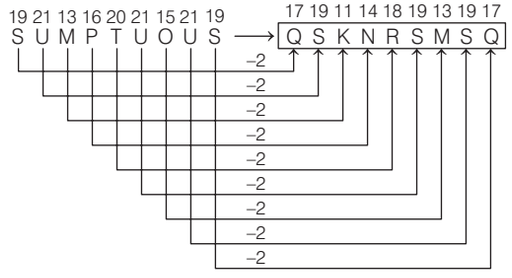
33. (*a*) As,



and

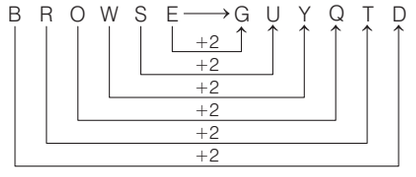


Similarly,

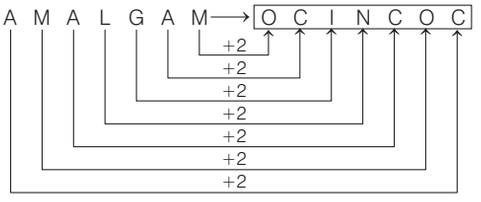


∴ LAVISH ⇒ JUKXCN

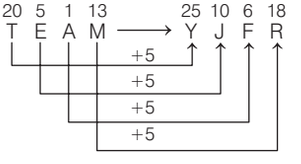
34. (*b*) As,



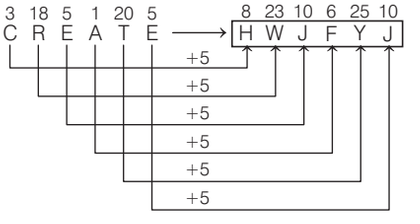
Similarly,



35. (*b*) As,

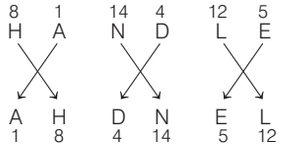


Similarly,

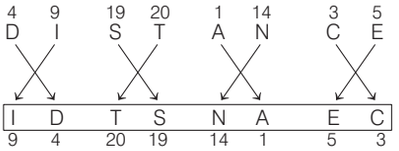


∴ CREATE ⇒ HWJFYJ

36. (*a*) As,

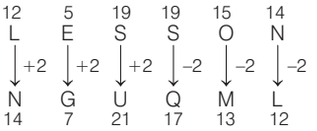


Similarly,

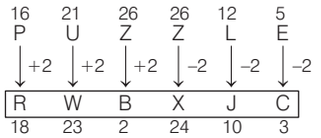


∴ DISTANCE ⇒ IDTSNAEC

37. (*c*) As,

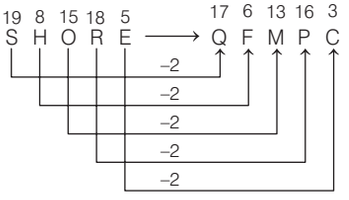


Similarly,

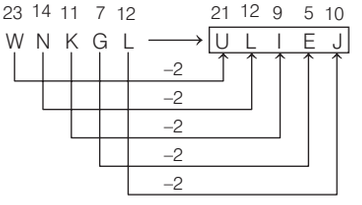


∴ PUZZLE ⇒ RWBXJC

38. (*c*) As,

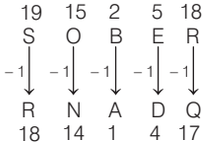


Similarly,

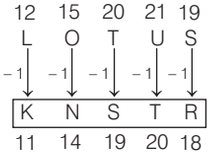


∴ WNKGL ⇒ ULIEJ

39. (*a*) As,

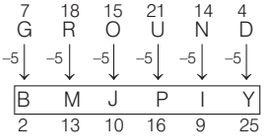


Similarly,

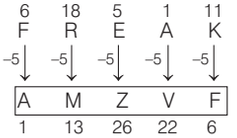


∴ LOTUS ⇒ KNSTR

40. (*d*) As,

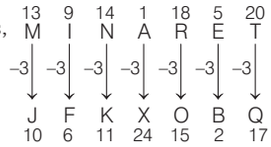


Similarly,

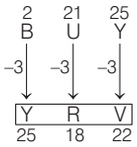


∴ FREAK ⇒ AMZVF

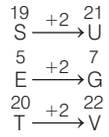
41. (*a*) As,



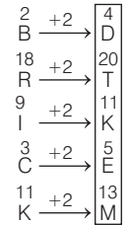
Similarly,



42. (*c*) As,

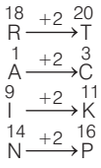


Similarly,

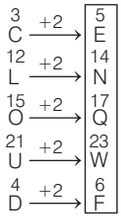


∴ BRICK ⇒ DTKEM

43. (*a*) As,

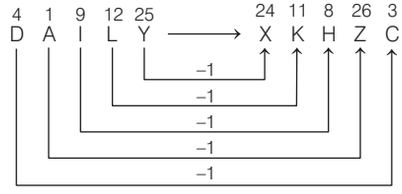


Similarly,

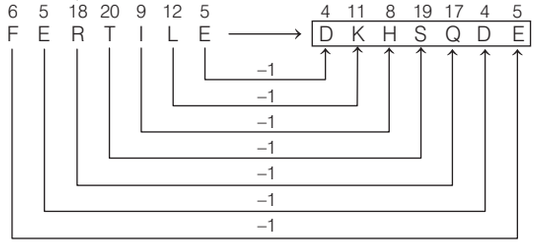


∴ CLOUD ⇒ ENQWF

44. (*c*) As,

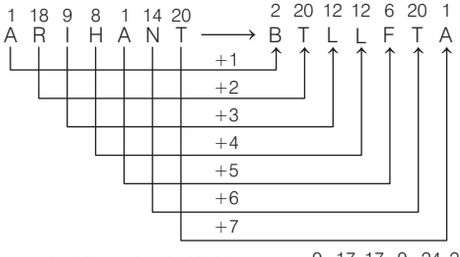


Similarly,

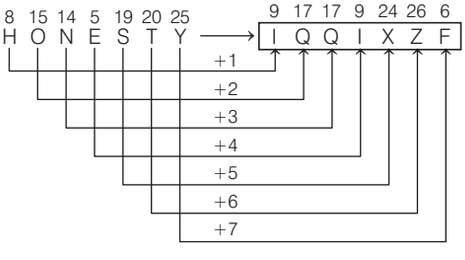


∴ FERTILE ⇒ DKHSQDE

45. (*c*) As,

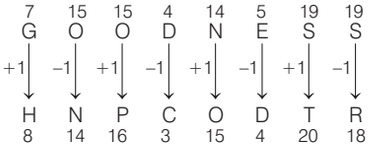


Similarly,

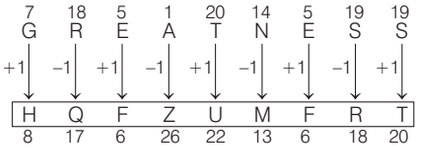


∴ HONESTY ⇒ IQQIXZF

46. (*d*) As,

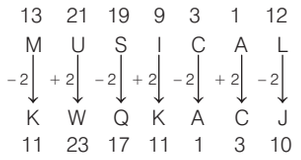


Similarly,

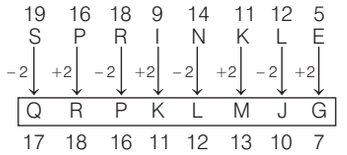


∴ GREATNESS ⇒ HQFZUMFRT

47. (*c*) As,

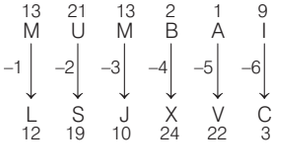


Similarly,

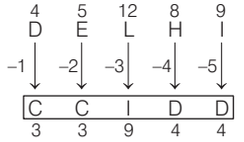


∴ SPRINKLE ⇒ QRPKLMJG

48. (*a*) As,

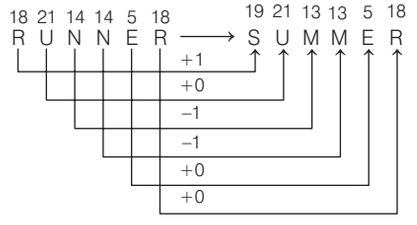


Similarly,

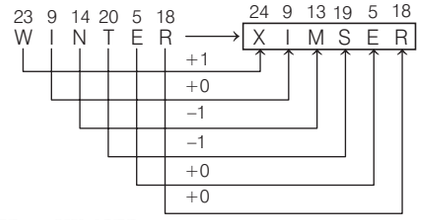


∴ DELHI ⇒ CCIDD

49. (*a*) As,

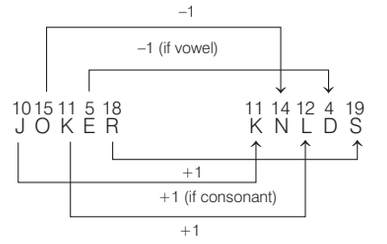


Similarly,

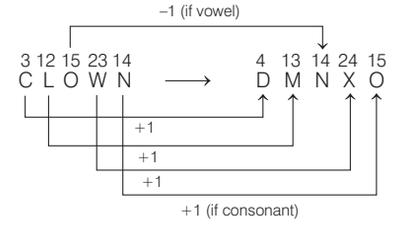


∴ WINTER ⇒ XIMSER

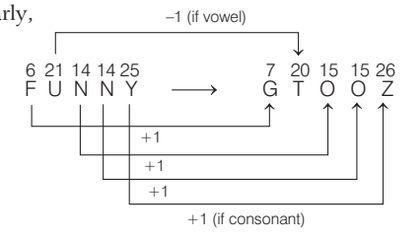
50. (*c*) As,



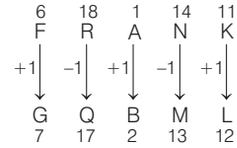
And



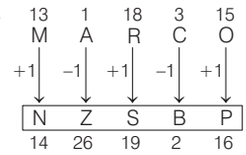
Similarly,



51. (*c*) As,

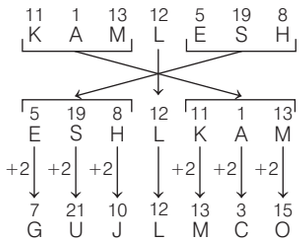


Similarly,

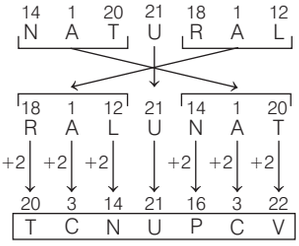


∴ MARCO ⇒ NZSBP

52. (*a*) As,

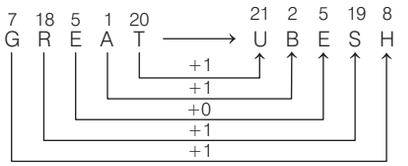


Similarly,

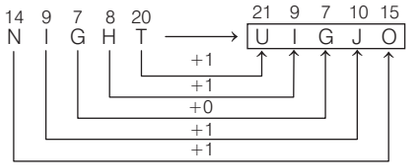


∴ NATURAL ⇒ TCNUPCV

53. (*d*) As,

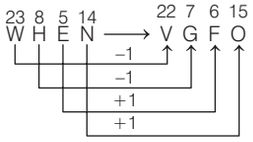


Similarly,

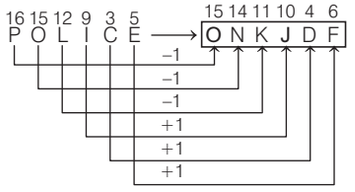


∴ NIGHT ⇒ UIGJO

54. (*b*) As,

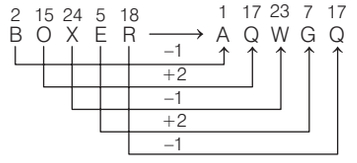


Similarly,

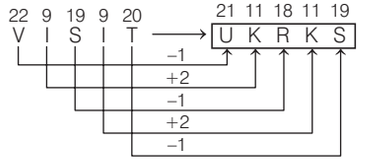


∴ POLICE ⇒ ONKJDF

55. (*b*) As,

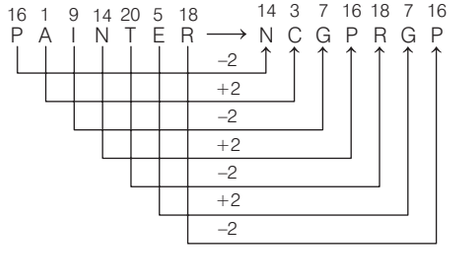


Similarly,

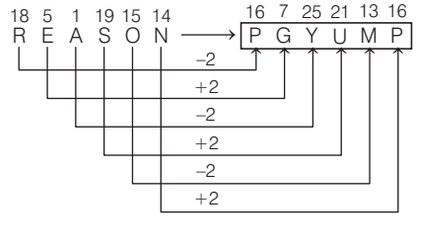


∴ VISIT ⇒ UKRKS

56. (*c*) As,

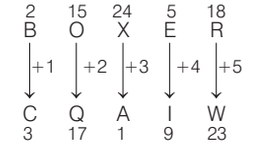


Similarly,

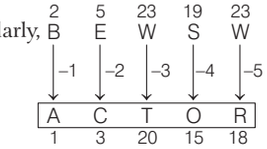


∴ REASON ⇒ PGYUMP

57. (*c*) As,

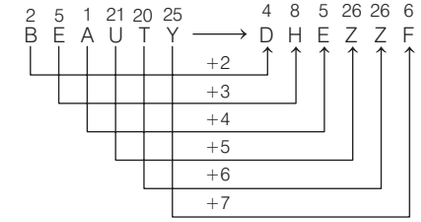


Similarly,

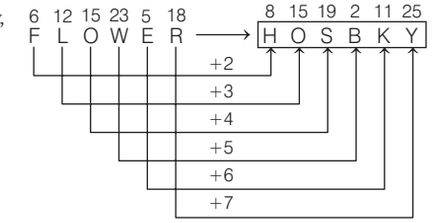


∴ BEWSW ⇒ ACTOR

58. (*c*) As,

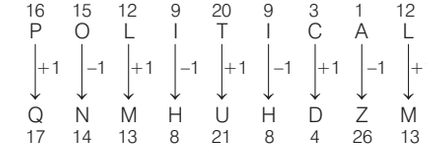


Similarly,

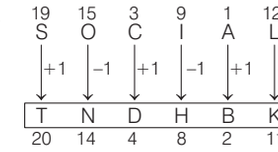


∴ FLOWER ⇒ HOSBKY

59. (*d*) As,

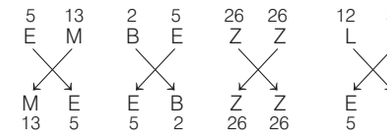


Similarly,

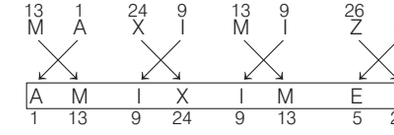


∴ SOCIAL ⇒ TNDHBK

60. (*b*) As,

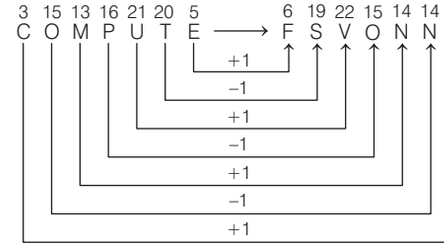


Similarly,

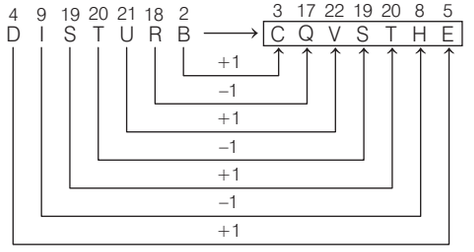


∴ MAXIMIZE ⇒ AMIXIMEZ

61. (*b*) As,

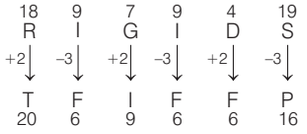


Similarly,

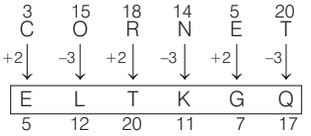


∴ DISTURB ⇒ CQVSTHE

62. (*d*) As,

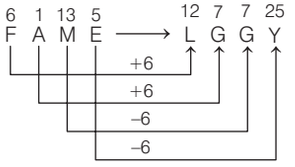


Similarly,

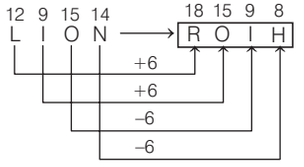


∴ CORNET ⇒ ELTKGQ

63. (*b*) As,

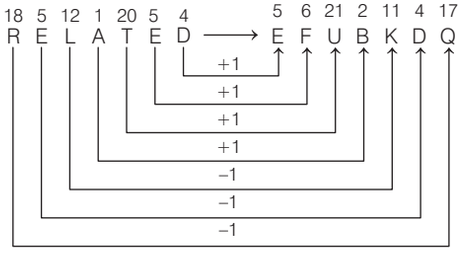


Similarly,

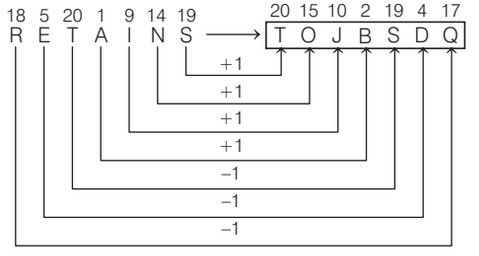


∴ LION ⇒ ROIH

64. (*d*) As,

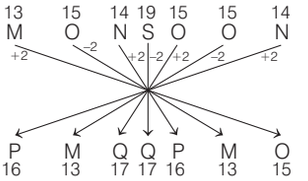


Similarly,

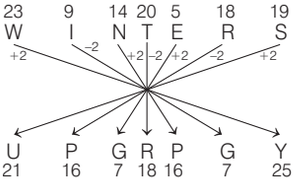


∴ RETAINS ⇒ TOJBSDQ

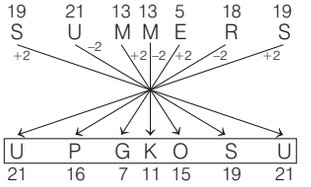
65. (*d*) As,



And



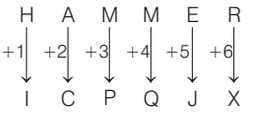
Similarly,



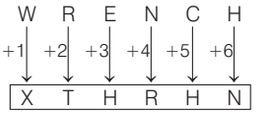
∴ SUMMER ⇒ UPGKOSU

66. (*b*)

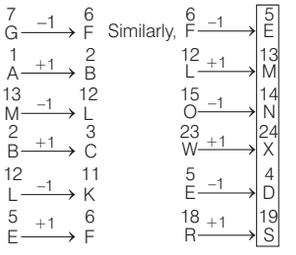
As,



Similarly,



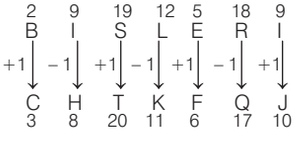
67. (*c*) As,



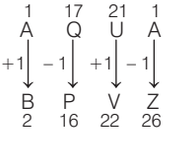
∴ FLOWER ⇒ EMNXDS

68. (*a*)

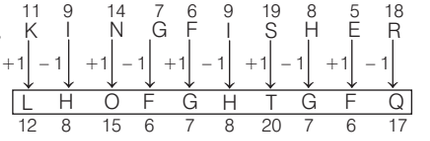
As,



and

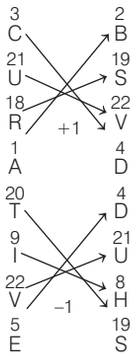


Similarly,

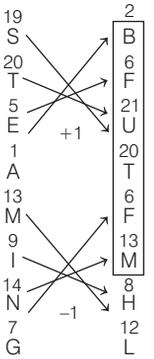


∴ KINGFISHER ⇒ LHOFGHTGFQ

69. (*a*) As,



Similarly,



∴ STEAMING ⇒ BFUTFMHL

70. (*b*) As, 13 M +3→ 16 P; 15 O +3→ 18 R; 21 U → 21 U; 19 S −2→ 17 Q; 5 E −2→ 3 C

Similarly, 19 S +3→ 22 V; 8 H +3→ 11 K; 9 I → 9 I; 6 F −2→ 4 D; 20 T −2→ 18 R

∴ SHIFT ⇒ VKIDR

71. (*a*) As,

12	15	6	20	25
L	O	F	T	Y
+0	+1	+0	+1	+0
L	P	F	U	Y
12	16	6	21	25

Similarly,

4	23	1	18	6
D	W	A	R	F
+0	+1	+0	+1	+0
D	X	A	S	F
4	24	1	19	6

∴ DWARF ⇒ DXASF

72. (*b*) As,

16	18	9	19	13
P	R	I	S	M
−1	+1	−1	+1	−1
O	S	H	T	L
15	19	8	20	12

and

18	21	2	12	5
R	U	B	L	E
−1	+1	−1	+1	−1
Q	V	A	M	D
17	22	1	13	4

Similarly,

23	8	15	18	12
W	H	O	R	L
−1	+1	−1	+1	−1
V	I	N	S	K
22	9	14	19	11

∴ WHORL ⇒ VINSK

73. (*d*) U → C, K → H, L → U, N → E, S → L, E → K, C → N

K	N	U	C	K	L	E	S
↓	↓	↓	↓	↓	↓	↓	↓
H	E	C	N	H	U	K	L

74. (*d*) As,

T	E	M	P	E	R	A	T	U	R	E
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
B	Z	Q	D	Y	X	V	B	N	X	Z

Similarly,

R	A	M	P
↓	↓	↓	↓
X	V	Q	D

∴ RAMP ⇒ XVQD

75. (*c*) R → T; A → I; W → N; N → S; E → H; T → G

According to the above coded relation, we would write same code for 'WATER'

W → N; A → I; T → G; E → H; R → T

∴ WATER ⇒ NIGHT

76. (*d*) As,

F	I	F	T	Y
↓	↓	↓	↓	↓
C	A	C	T	Y

,

C	A	R
↓	↓	↓
P	O	L

and

T	A	R
↓	↓	↓
T	O	L

Similarly,

T	A	R	I	F	F
↓	↓	↓	↓	↓	↓
T	O	L	A	C	C

∴ TARIFF ⇒ TOLACC

77. (*b*) As,

S	T	A	G
↓	↓	↓	↓
H	G	Z	T

and

H	O	R	N
↓	↓	↓	↓
S	L	I	M

Similarly,

N	O	R	T	H
↓	↓	↓	↓	↓
M	L	I	G	S

∴ NORTH ⇒ MLIGS

78. (*c*) As,

P	E	N
↓	↓	↓
N	Z	O

and

B	A	R	K
↓	↓	↓	↓
C	T	S	L

Similarly,

P	R	A	N	K
↓	↓	↓	↓	↓
N	S	T	O	L

∴ PRANK ⇒ NSTOL

79. (*c*) As,

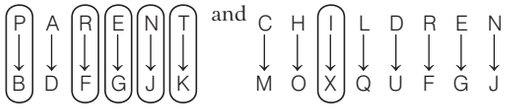
A P	P R	O A	C H
1	2	3	4
C H	O A	P R	A P
4	3	2	1

Similarly,

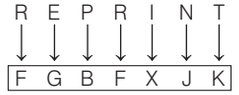
R E	S T	R I	C T
1	2	3	4
C T	R I	S T	R E
4	3	2	1

∴ RESTRICT ⇒ CTRISTRE

80. (*d*) As,

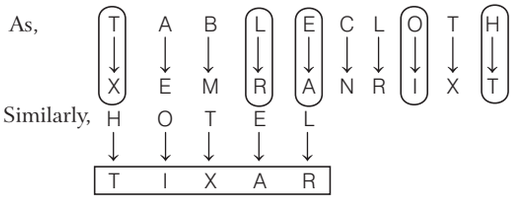


Similarly,



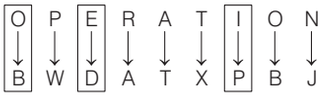
∴ REPRINT ⇒ FGBFXJK

81. (*b*)

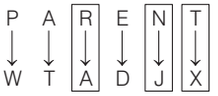


∴ HOTEL ⇒ TIXAR

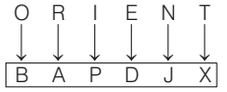
82. (*b*) As,



and

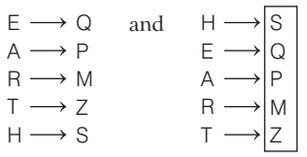


Therefore,



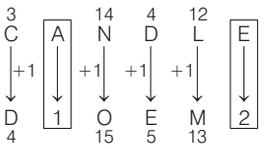
∴ ORIENT ⇒ BAPDJX

83. (*d*) As,

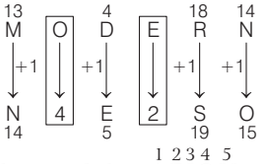


∴ HEART ⇒ SQPMZ

84. (*d*) As,

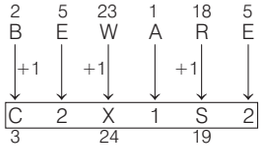


and



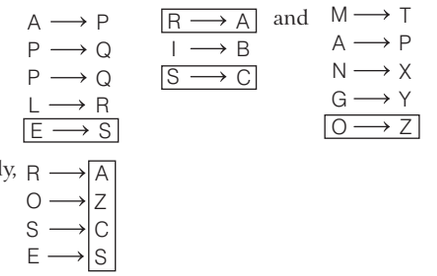
1 2 3 4 5
Here, vowels are coded as A E I O U

Similarly,



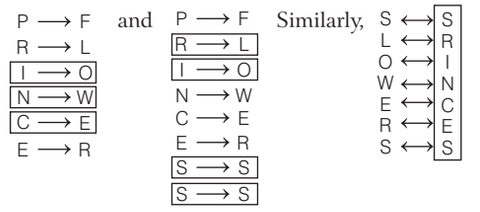
∴ BEWARE ⇒ C2X1S2

85. (*d*) As,



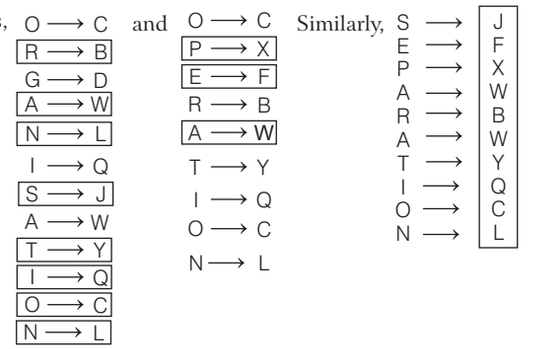
∴ ROSE ⇒ AZCS

86. (*a*) As,



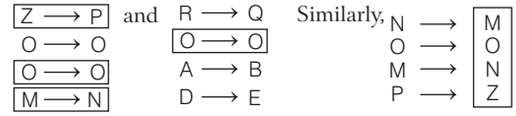
∴ SLOWERS ⇒ SRINCES

87. (*c*) As,



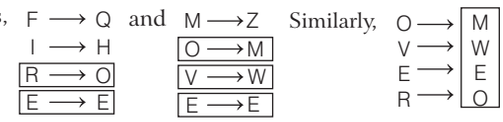
∴ SEPARATION ⇒ JFXWBWYQCL

88. (*d*) As,



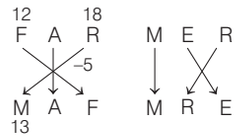
∴ NOMP ⇒ MONZ

89. (*b*) As,

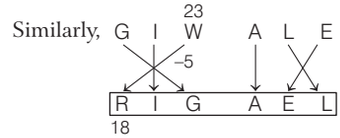


∴ OVER ⇒ MWEO

90. (*c*) As.

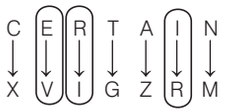


Similarly,

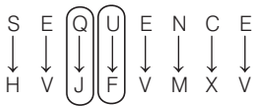


∴ GIWALE ⇒ RIGAEL

91. (*d*) As,

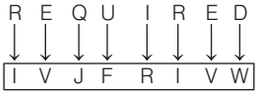


and



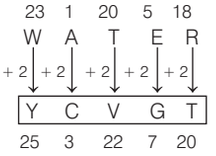
Code with opposite letters

Similarly,

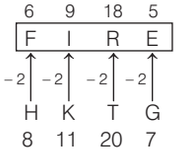


∴ REQUIRED ⇒ IVJFRIVW

92. (*b*) As,

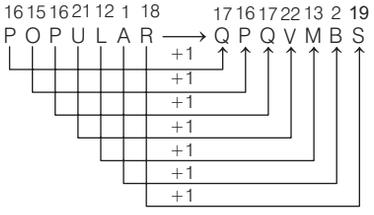


Similarly,

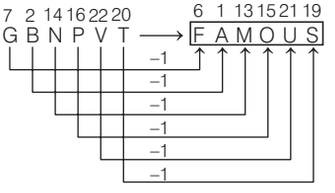


∴ FIRE ⇒ HKTG.

93. (*b*) As,

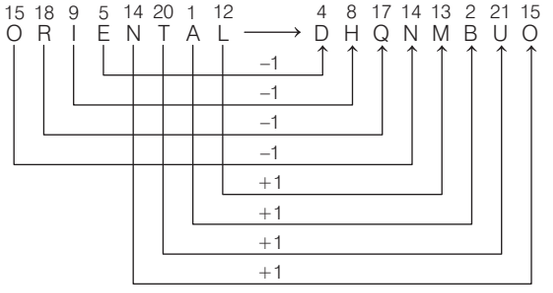


Similarly,

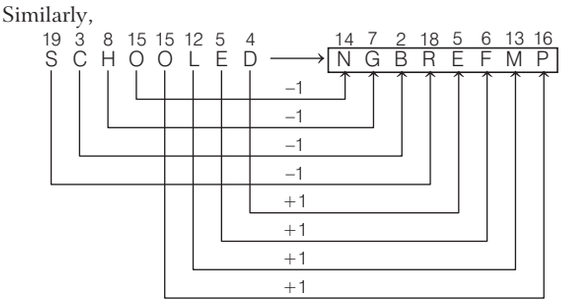


∴ GBNPVT ⇒ FAMOUS

94. (*b*) As,

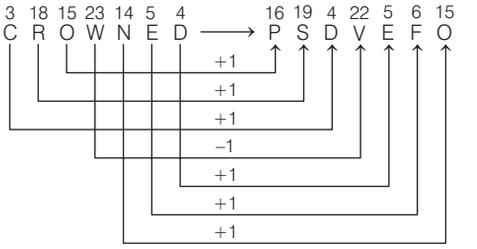


Similarly,

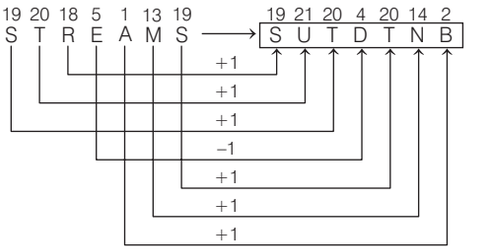


∴ SCHOOLED ⇒ NGBREFMP

95. (*c*) As,

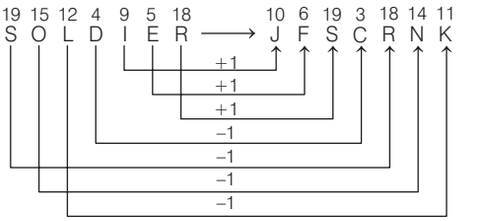


Similarly,

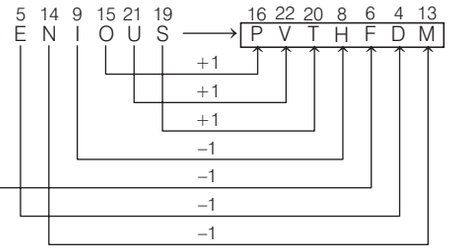


∴ STREAMS ⇒ SUTDTNB

96. (*e*) As,



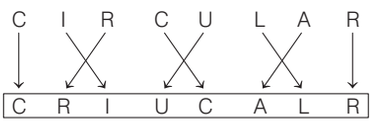
Similarly,



∴ GENIOUS ⇒ PVTHFDM

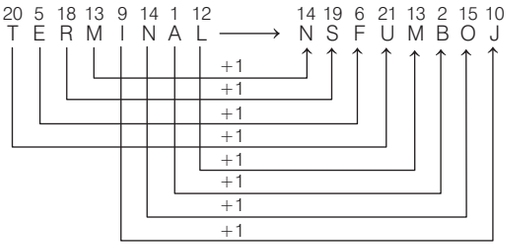
97. (*b*) As,

Similarly,

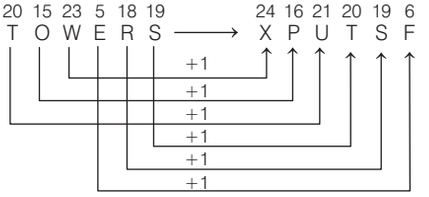


∴ CIRCULAR ⇒ CRIUCALR

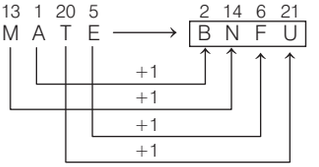
98. (*c*) As,



and

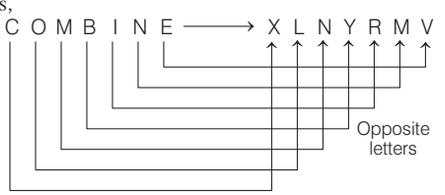


Similarly,

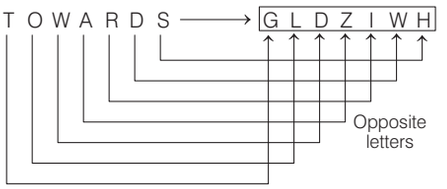


∴ MATE ⇒ BNFU

99. (*b*) As,

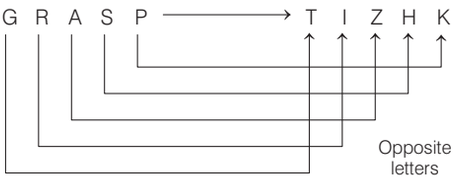


Similarly,

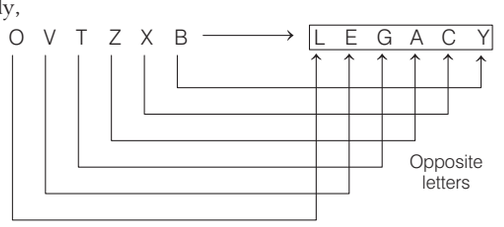


∴ TOWARDS ⇒ GLDZIWH

100. (*c*) As,

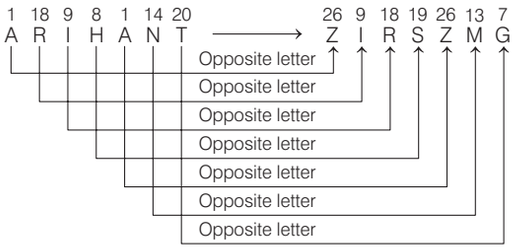


Similarly,

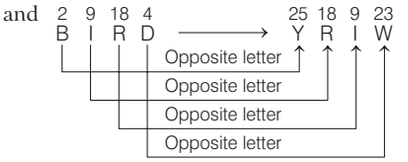


∴ OVTZXB ⇒ LEGACY

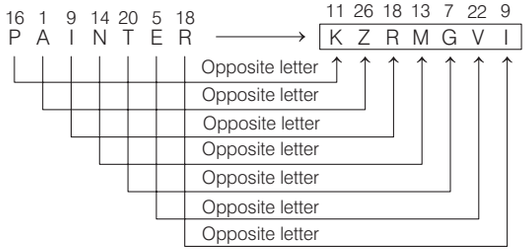
101. (*d*) As,



and

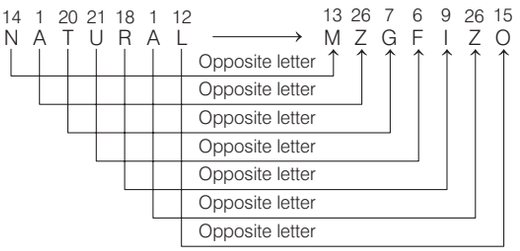


Similarly,

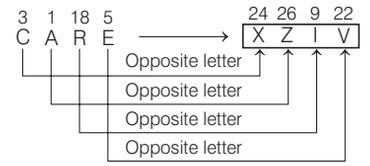


∴ PAINTER ⇒ KZRMGVI

102. (*a*) As,



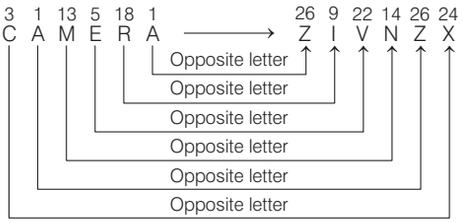
Similarly,



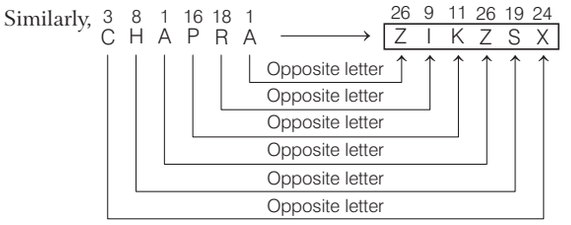
∴ CARE ⇒ XZIV

103. (*d*)

As,

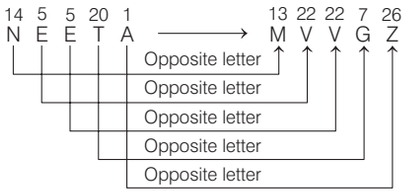


Similarly,

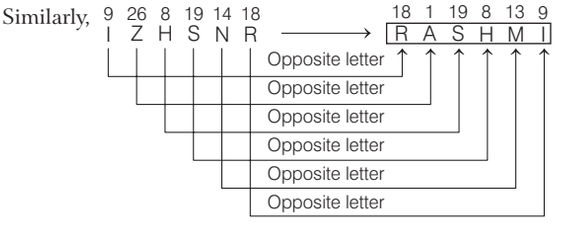


∴ CHAPRA ⇒ ZIKZSX

104. (*b*) As,

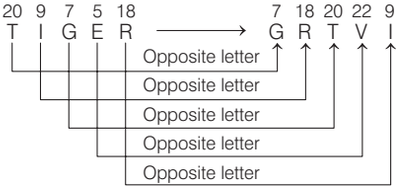


Similarly,

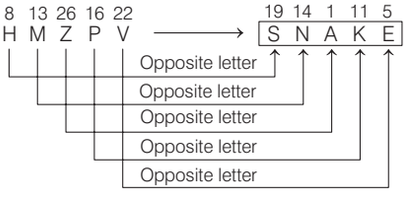


∴ IZHSNR ⇒ RASHMI

105. (*d*) As,

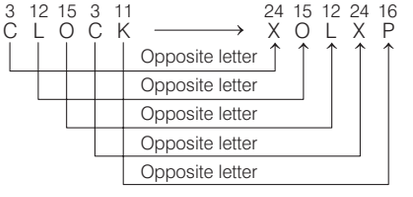


Similarly,

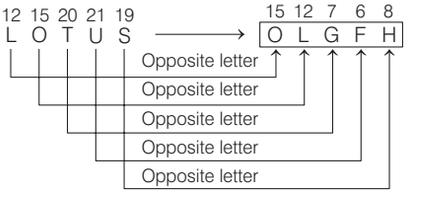


∴ HMZPV ⇒ SNAKE

106. (*b*) As,

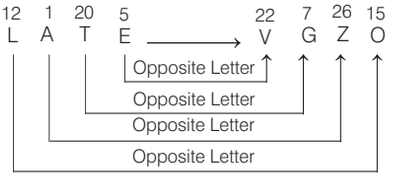


Similarly,

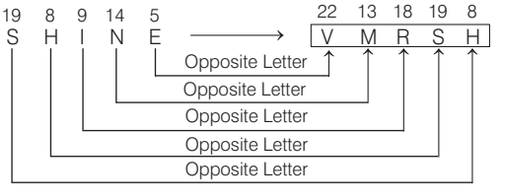


∴ LOTUS ⇒ OLGFH

107. (*c*) As,



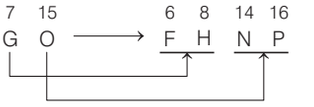
Similarly,



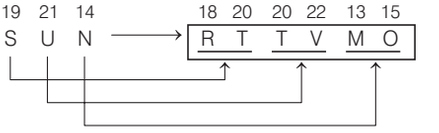
∴ SHINE ⇒ VMRSH

108. (*d*) Each letter is coded with its left and right letters in English alphabetical series.

As,



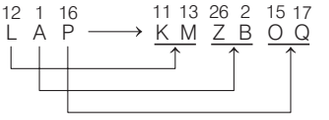
Similarly,



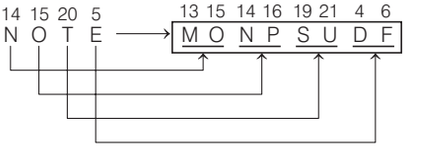
∴ SUN ⇒ RTTVMO

109. (*d*) Each letter is coded with its left and right letters in English alphabet.

As,



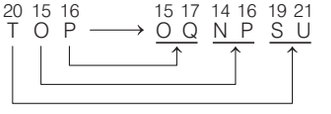
Similarly,



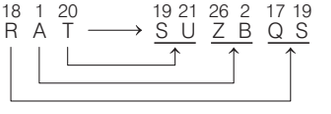
∴ NOTE ⇒ MONPSUDF

110. (*d*) Starting from right end, each letter is coded with its left and right letters in English alphabetical series.

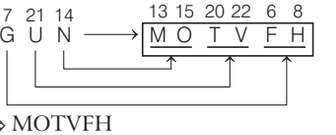
As,



and



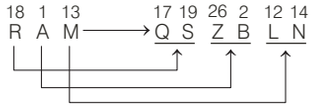
Similarly,



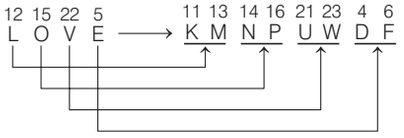
∴ GUN ⇒ MOTVFH

111. (*a*) Each letter is coded with its left and right letters in English alphabetical series.

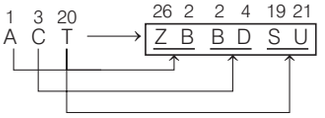
As,



and



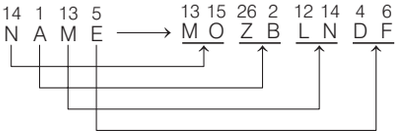
Similarly,



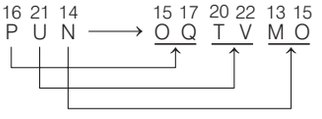
∴ ACT ⇒ ZBBDSU

112. (*a*) Each letter is coded with its left and right letters in English alphabetical series.

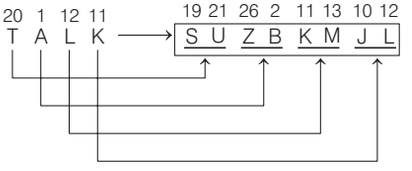
As,



and



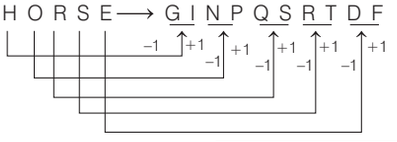
Similarly,



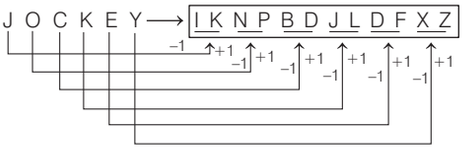
∴ TALK ⇒ SUZBKMJL

113. (*a*) Each letter is coded with its left and right letters in English alphabetical series.

As,



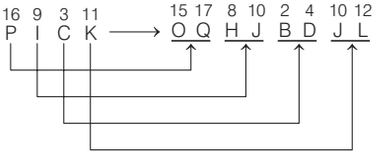
Similarly,



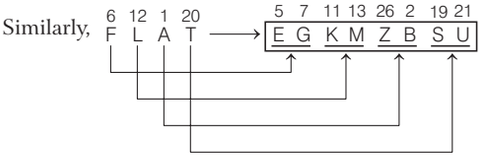
∴ JOCKEY ⇒ IKNPBDJLDFXZ

114. (*a*) Each letter is coded with its left and right letters in English alphabetical series.

As,



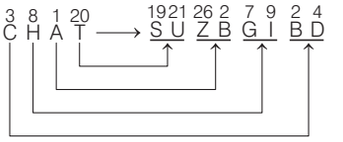
Similarly,



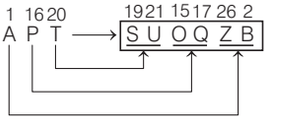
∴ FLAT ⇒ EGKMZBSU

115. (*d*) Starting from right end, each letter is coded with its left and right letters in English alphabetical series.

As,



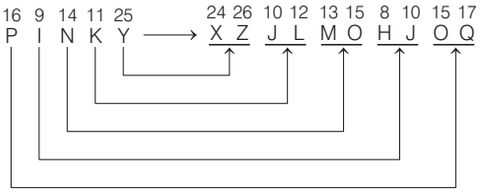
Similarly,



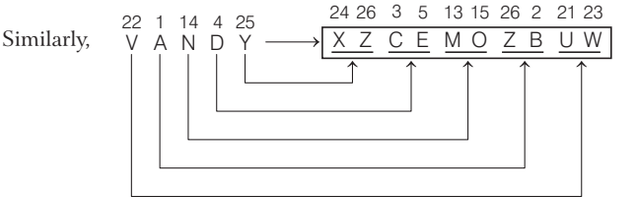
∴ APT ⇒ SUOQZB

116. (*a*) Starting from right end, each letter is coded with its left and right letters in English alphabetical series.

As,



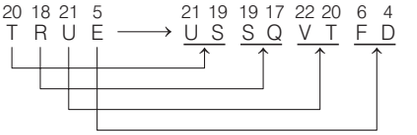
Similarly,



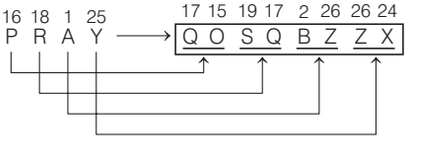
∴ VANDY ⇒ XZCEMOZBUW

117. (*c*) Each letter is coded with its right and left letters respectively in English alphabetical series.

As,



Similarly,



∴ PRAY ⇒ QOSQBZZX

TYPE 02

Number Coding

In number coding, numerical code is assigned to the word or alphabetical letters and candidates are required to analyse the codes as per the correlation between these numbers and letters. This correlation is based on certain pattern according to the position of letters in English alphabet as per a set of given rules.

Following example will give you a better idea about the type of question asked

***Ex* 16** If 'MYSTICAL' is coded as '1325192093112' in a code language, how would 'DUMBBELL' be coded in the same language ?

T UPSSSC Combined Lower Subordinate Services 2016

(a) 421132251112 (b) 421132241212
(c) 421132251212 (d) 421032251212

Solution (c) As,

M	Y	S	T	I	C	A	L
↓	↓	↓	↓	↓	↓	↓	↓
13	25	19	20	9	3	1	12

Positional values

Similarly,

D	U	M	B	B	E	L	L
↓	↓	↓	↓	↓	↓	↓	↓
4	21	13	2	2	5	12	12

Positional values

∴ DUMBBELL ⇒ 421132251212

***Ex* 17** In a certain code language, 'ROK' is written as '44' and 'MIG' is written as '29'. What will be the code for 'TAL' in that code language? T SSC MTS 2019

(a) 33 (b) 34 (c) 41 (d) 43

Solution (a) Here, the positional values of letters are added to obtain the code.

As, $\overset{18\ 15\ 11}{R\ O\ K} = 18 + 15 + 11 = 44$

and $\overset{13\ 9\ 7}{M\ I\ G} = 13 + 9 + 7 = 29$

Similarly, $\overset{20\ 1\ 12}{T\ A\ L} = 20 + 1 + 12 = 33$

***Ex* 18** If PRIVATE is coded as 1234567 and RISK as 2398, how will be RIVETS coded?

T UKPSC Assit. Conservator of Forest 2019

(a) 232679 (b) 243769 (c) 234769 (d) 234976

Solution (c) As,

P	R	I	V	A	T	E
↓	↓	↓	↓	↓	↓	↓
1	2	3	4	5	6	7

and

R	I	S	K
↓	↓	↓	↓
2	3	9	8

Similarly,

R	I	V	E	T	S
↓	↓	↓	↓	↓	↓
2	3	4	7	6	9

***Ex* 19** If 'PKROK' is coded as '72962' and 'KRRPK' as '29972', then how can 'NJMLZ' be coded? T SSC (CGL) 2014

(a) 45176 (b) 74314 (c) 91592 (d) 51430

Solution (d)

	16	11	18	15	11		11	18	18	16	11
As,	P	K	R	O	K	and	K	R	R	P	K
	1+6↓	1+1↓	1+8↓	1+5↓	1+1↓		1+1↓	1+8↓	1+8↓	1+6↓	1+1↓
	7	2	9	6	2		2	9	9	7	2

P is coded as 7, K as 2, R as 9 and O as 6 that means code of NJMLZ does not have either 7, 2, 9 or 6. Hence, required code will be 51430, which is given in option (d).

***Ex* 20** If M = 14, TANK = 62, then STARDOM = ?

T RRB NTPC 2016

(a) 79 (b) 89 (c) 99 (d) 109

Solution (c) Given, M = 14 ⇒ M = 27 – 13 = 14

	20	1	14	11	
and	T	A	N	K	
	↓	↓	↓	↓	
	(27–20)	(27–1)	(27–14)	(27–11)	{27-Place value}
	↓	↓	↓	↓	
	7	+ 26	+ 13	+ 16	= 62

	19	20	1	18	4	15	13	
Similarly,	S	T	A	R	D	O	M	
	↓	↓	↓	↓	↓	↓	↓	
	(27–19)	(27–20)	(27–1)	(27–18)	(27–4)	(27–15)	(27–13)	{27-Place value}
	↓	↓	↓	↓	↓	↓	↓	
	8	+ 7	+ 26	+ 9	+ 23	+ 12	+ 14	= 99

∴ STARDOM = 99

Practice CORNER 4.2

1. If 'NASCENT' is written as '2734526', how is 'SENTENCE' is written in that code? T MP Police 2017

(a) 35265245 (b) 35256245
(c) 35265235 (d) 35256275

2. If 'FACE' is coded as '6135' and 'DEAD' is coded as '4514', then 'HIGH' will be coded as

T UPSSSC Junior Assistant 2015

(a) 9556 (b) 6536 (c) 8978 (d) 9887

3. If in a certain code language 'BHAI' is written as '2819', then how will 'CDGH' be written in that language ?

T SSC MTS 2019

(a) 3478 (b) 8437 (c) 3487 (d) 7348

4. If 'INK' is coded as '91411' and 'RED' is coded as '1854', then 'PEN' will be coded as T CGPSC 2017

(a) 16514 (b) 14176 (c) 14562 (d) 151614
(e) None of these

5. In a certain code 'DIRTY' is coded as '24759' and 'FOAM' is coded as '1863'. Using the same code 'ARID' will be coded as T RRB ALP 2018

(a) 6742 (b) 1579 (c) 9165 (d) 2489

6. If in a certain code language 'RUN' is written as '182114' and 'PEN' is written as '16514', then how will 'RANSOM' be coded in that language?

(a) 1841491315 (b) 18114131915
(c) 18114191315 (d) 18114191513

7. If 'GERMANY' is written as '7, 5, 18, 13, 1, 14, 25', how can 'FRANCE' be written in that code?
(a) 6, 18, 1, 14, 3, 5 (b) 6, 3, 18, 14, 1, 5
(c) 8, 2, 14, 5, 13, 6 (d) 8, 16, 14, 3, 1, 5

8. In a certain code language if '41095' is 'READY' and '840327' is 'FRAILS', then '83145 419' is
A. FEARY RED B. FIERY RED
C. FAIRY RED D. FIREY RED
(a) D (b) B (c) C (d) A

9. If 7 is coded as 'CBRT343', then '9' is coded as
(a) CBRT27 (b) SQRT81
(c) CBRT729 (d) CBRT6561

10. If each letter of the English alphabet is assigned an odd numerical value in increasing order, such as A = 1, B = 3 and so on, then what will be the code of HONEY ?
↑ SSC CGL 2019
(a) 132725747 (b) 152927949
(c) 152927947 (d) 132725745

11. If 'HELLO' is coded as 15 | 12 | 12 | 5 | 8, then 'WHERE' is coded as
(a) 16|13|13|6|9 (b) 5|18|5|8|23
(c) 5|5|18|23|8 (d) 5|5|18|8|23

12. In a certain code language, 'PEN' is coded as '321028'. How will 'TUB' be coded as in that language?
↑ SSC (CGL) 2020
(a) 44024 (b) 40422 (c) 42404 (d) 40424

13. If 'PAINT' is coded as '74128' and 'EXCEL' is coded as '93596', how is 'ACCEPT' coded?
(a) 455978 (b) 459578 (c) 457958 (d) 459758

14. In a certain code language, 'DANGER' is written as '145237' and 'RANCOR' is written as '745967'. How is 'RAGE' written in that code language? ↑ UPSC 2016
(a) 7231 (b) 7234 (c) 7423 (d) 7441

15. If in a certain code language 'HONESTY' is written as '5132468' and 'POVERTY' is written as '7192068', then how will 'HORSE' be written in that language?
(a) 50124 (b) 51042 (c) 51024 (d) 52014

16. If in a certain code language 'REFORM' is written as '426349' and 'FORMULA' is written as '6349871', then how will 'MULE' be written in that language?
(a) 8792 (b) 7982 (c) 9872 (d) 2978

17. If 'DREAM' is coded as '78026' and 'CHILD' is coded as '53417', how can 'LEADER' be coded?
(a) 102078 (b) 102708
(c) 102087 (d) 102780

18. If in a certain code language 'BOAT' is written as '5937' and 'TIME' is written as '7826', then how will 'BEAM' be written in that language?
(a) 5362 (b) 7632 (c) 5632 (d) 5862
(e) None of these

19. If in a certain code language 'BOARD' is written as '53169', 'NEAR' is written as '2416', then how will 'NODE' be written in that language?
(a) 2394 (b) 2894 (c) 2934 (d) 2694
(e) None of these

20. If in a certain code language 'DEAF' is written as '3587' and 'FILE' is written as '7465', then how will 'IDEAL' be written in that language?
(a) 48536 (b) 43568
(c) 63548 (d) 43586
(e) None of these

21. If in a certain code language 'GOAL' is written as '5139' and 'LAME' is written as '9327', then how will 'MOLE' be written in that language?
(a) 2197 (b) 2917 (c) 3197 (d) 2157
(e) None of these

22. If in a certain code language 'BRACKET' is written as '9341285', 'DEAR' is written as '6843', then how will 'TRADE' be written in that language?
(a) 59468 (b) 34568 (c) 53468 (d) 53648
(e) None of these

23. If in a coded language, 'COIN' is coded as '8574' and 'UNTIL' is coded as '94371', then 'COCONUT' will be
↑ UPSSSC VDO 2018
(a) 9393596 (b) 8585493 (c) 8585321 (d) 9393593

24. In a certain code language, FILE is written as 7465 and IDEAL is written as 43586. How will DEAF be written in that code language? ↑ UP Police Constable 2018
(a) 3478 (b) 3588
(c) 3587 (d) 4578

25. If in a coded language, 'JOIN' is coded as '8574' and 'POKER' is coded as '95321', then 'JOKER' will be coded as ↑ UPSSSC VDO 2018
(a) 93596 (b) 83593 (c) 85321 (d) 93593

26. If in a certain code language 'TERRACE' is written as 70, then in the same code language how will you write the word BALCONY? ↑ SSC GD Constable 2018
(a) 74 (b) 73 (c) 72 (d) 71

27. If ABLE is written as 5324 and BINGO is written as 36178, then BANGLE can be written as ↑ SSC Steno 2016
(a) 351724 (b) 356724
(c) 321846 (d) 362417

28. If in a certain code language 'BEAUTIFUL' is coded as '573041208' and 'BUTTER' is coded as '504479', then how will 'FUTURE' be coded in that language?
(a) 204097 (b) 201497
(c) 704092 (d) 204079

29. If 'RACKET' is written as '813524' in a certain code, how would 'TRACK' be written in that code?
↑ MP Police 2017
(a) 81253 (b) 41835 (c) 48135 (d) 28153

30. If 'WOOD' is coded as 23|225|4, then MEET is coded as
(a) |3|5|5|20 (b) |13|10|20
(c) |13|25|20 (d) None of these

31. If 'RAMON' is written as '12345' and 'DINESH' as '675849', then 'HAMAM' will be written as ↑ UPPSC 2018
(a) 92233 (b) 92323 (c) 93322 (d) 93232

32. In a certain code language 'MOBILITY' is coded as '46293927'. How will 'EXAMINATION' be coded as in that code language? ⊤ UPSSSC Junior Assitant 2020
(a) 27159415955 (b) 67038401834
(c) 56149512965 (d) 12250623034

33. In a certain code language, 'GOURD' is written as 21-4-5-10-24. How will 'BRINJAL' be written in the same code language ? ⊤ SSC CPO 2019
(a) 25-9-3-14-18-1-15 (b) 26-10-5-14-18-2-16
(c) 26-10-3-14-18-1-16 (d) 2-10-3-14-18-1-12

34. If 'RED' is coded as '360', then 'GREEN' can be coded as
(a) 44400 (b) 41400 (c) 44110 (d) 44100

35. In a certain code language, 'DOME' is written as '8943' and 'MEAL' is written as '4321'. What group of letters can be formed for the code '38249'?
(a) EOADM (b) MEDOA
(c) EMDAO (d) EDAMO
(e) None of these

36. If in a certain code language, 'EAT' is written as '318' and 'CHAIR' is written as '24156', then how 'TEACHER' be written in that code language?
(a) 8313426 (b) 8312436
(c) 8321436 (d) 8312346

37. In certain code 'NEPALI' is written as '6-15-0-15-10-13'. How will 'STEXQG' be written in that code? ⊤ UPPSC Lower Subordinate 2016
(a) 21-20-23-4-8-18 (b) 24-20-21-8-18-1
(c) 18-8-24-20-21-5 (d) 20-21-24-5-8-18

38. If in a certain code language 'TALK' is written as '2121312', then how will 'PATNA' be coded in that language?
(a) 17212152 (b) 17221251
(c) 17221125 (d) 17221152

39. If in a certain code language 'GRADUATE' is written as '2092623626722', then how will 'ARIHANT' be written in that language?
(a) 269181926137 (b) 269181926173
(c) 269811926137 (d) 269181962137

40. If in a certain code language 'PERFECT' is written as '116', then how will 'COMPACT' be written in that code?
(a) 85 (b) 111 (c) 98 (d) 118

41. In a certain code language, 'PING' is written as '4' and 'METAL' is written as '5'. What will be the code for 'STEADYS' in that code language ? ⊤ SSC MTS 2019
(a) 8 (b) 7 (c) 5 (d) 6

42. If in a certain code language 'SON' is written as '81213', 'LIFE' is written as '15182122', then how will 'NEVER' be written in that language?
(a) 13225229 (b) 22135229
(c) 13225292 (d) 13222529

43. If in a certain code language 'IPL' is written as '37' and 'POLISH' is written as '79', then how will 'GRAVITY' be coded in that language?
(a) 102 (b) 205 (c) 115 (d) 95

44. If 'TISSUE' is coded as '93' in a code language, how would ROCKET be coded in the same language ? ⊤ UPSSSC Combined Lower Subordinate Services 2016
(a) 68 (b) 70 (c) 71 (d) 72

45. If E = 5 and EVEN = 46, then ENTER = ?
(a) 62 (b) 52 (c) 72 (d) 42

46. If A = 1 and LOT = 47, then MAT = ?
(a) 40 (b) 66 (c) 34 (d) 51

47. If M = 13 and MAT = 34, then WAX = ?
(a) 47 (b) 25 (c) 48 (d) 23

48. If E = 5 and AMENDMENT = 89, then SECRETARY = ?
(a) 115 (b) 112 (c) 114 (d) 100

49. If A = 1 and VAN = 37, then FAT = ?
(a) 21 (b) 20 (c) 26 (d) 27

50. In a certain code language, N is coded as 30 and COT is coded as 78. How will PET be coded as in that language? ⊤ SSC (10+2) 2020
(a) 41 (b) 100 (c) 70 (d) 84

51. If ZIP = 30 and ZAP = 38, what will be VIP = ? ⊤ FCI Uttarakhand Watch Man 2018
(a) 174 (b) 43 (c) 34 (d) 113

52. If P = 16 and PUT = 6720, then PICK = ?
(a) 4137 (b) 4590
(c) 4032 (d) 4752

53. If P = 16 and TAP = 37, then CUP = ?
(a) 40 (b) 38 (c) 36 (d) 39

54. If N = 14 and NOT = 4200, then NAME = ?
(a) 937 (b) 822 (c) 915 (d) 910

55. If E = 5 and HEN = 27, then PET = ?
(a) 31 (b) 41 (c) 52 (d) 28

56. If T = 20 and TEAM = 39, then TREE = ?
(a) 39 (b) 54 (c) 48 (d) 36

57. If M = 13 and MAD = 52, then MOOD = ?
(a) 11700 (b) 10181
(c) 12500 (d) 95000

58. In a certain code, if 'GANESH' is written as '54', then how will 'PARVATI' written in that code? ⊤ SSC Steno Grade C & D 2019
(a) 87 (b) 85 (c) 81 (d) 83

59. If 'MACHINE' is coded as 19-7-9- 14-15-20-11, then how will you code 'DANGER' in the same code? ⊤ CGPSC Pre 2016
(a) 11-7-20-16-11-24 (b) 13-7-20-9-11-25
(c) 10-7-20-13-11-24 (d) 13-7-20-10-11-25
(e) None of the above

60. If 'FLARE' is coded as 21, 15, 26, 9, 22, then how would 'BREIF' be coded in the same language?
(a) 25, 9, 22, 21, 18 (b) 5, 37, 11, 19, 13
(c) 13, 19, 11, 37, 5 (d) 25, 9, 22, 18, 21

61. If in a certain code language 'NOTION' is written as '348', then how will 'TOTAL' be written in that language?
(a) 381 (b) 275
(c) 385 (d) 272

62. If in a certain language 'JNU' is written as '101714132106', then how will 'PUSA' be written in that language? † UP PCS 2008
(a) 1611210619080126 (b) 1611210619080162
(c) 1611210619086201 (d) 1161216019080126

63. If in a certain code language 'GAME' is written as '0720012613140522', then how will 'NOT' be coded in that language?
(a) 121413152007 (b) 131415122007
(c) 141315127002 (d) 141315122007

64. If in a certain code language 'IPL' is written as '81256144', then how will 'BUT' be written in that language?
(a) 4441400 (b) 4444100
(c) 4100444 (d) 4144400

65. If in a certain code language 'GOAT' is coded as '40014467649', then how will 'DO' be written in that language?
(a) 529144 (b) 222591 (c) 592225 (d) 529522

66. If in a certain code language 'RAMAN' is written as '23.5' and 'CAP' is written as '10', then how will 'CAPACITY ' be written in that code?
(a) 48 (b) 39 (c) 49 (d) 35

67. If in a certain code language 'LOT' is written as '111314161921', 'SIP' is written as '18208101517', then how will 'GO' be written in that language?
(a) 681416 (b) 864161
(c) 681476 (d) 681461

68. If in a certain code language 'KOMAL' is written as '31462', 'POT' is written as '267', then how will 'TIGER' be written in that language?
(a) 95927 (b) 95279
(c) 95729 (d) 95792

69. If in a certain code language 'HUT' is written as '9722202119', 'TO' is written as '21191614', then how will 'FOG' be written in that language?
(a) 75161486 (b) 75161468
(c) 75614168 (d) 57161486

70. If in a certain code language 'DEW' is written as '1625529', 'GET' is written as '4925400', then how will 'TWO' be written in that language?
(a) 400529522 (b) 400529225
(c) 400925225 (d) 400225925

71. In a certain code language 'PEN–TAN' is written as '0'. How is "DEN–COB" written in that code language?
(a) 8 (b) 3
(c) 9 (d) 7

72. If 'REASON' is coded as 5 and 'BELIEVED' as 7, what is the code number for 'GOVERNMENT'?
(a) 10 (b) 6 (c) 9 (d) 8

Answers WITH EXPLANATIONS

1. (*a*) As,

N	A	S	C	E	N	T
↓	↓	↓	↓	↓	↓	↓
2	7	3	4	5	2	6

Similarly,

S	E	N	T	E	N	C	E
↓	↓	↓	↓	↓	↓	↓	↓
3	5	2	6	5	2	4	5

∴ SENTENCE ⇒ 35265245

2. (*c*) As, FACE ⟶ 6135
and DEAD ⟶ 4514
Similarly, HIGH ⟶ 8978
∴ HIGH ⇒ 35265245

3. (*a*) B ⟶ 2
H ⟶ 8
A ⟶ 1
I ⟶ 9

Alphabets are coded according to their alphabetical position

In the given series, alphabetical positions of alphabet are alphabets used to make the code,
Similarly,
C ⟶ ③
D ⟶ ④
G ⟶ ⑦
H ⟶ ⑧

∴ CDGH ⇒ 3478

4. (*a*) As,

Alphabetical order	I	N	K	and	R	E	D
	↓	↓	↓		↓	↓	↓
	9	14	11		18	5	4

Similarly,

P	E	N
↓	↓	↓
16	5	14

∴ PEN ⇒ 16514

5. (*a*) As,

D	I	R	T	Y	and	F	O	A	M
↓	↓	↓	↓	↓		↓	↓	↓	↓
2	4	7	5	9		1	8	6	3

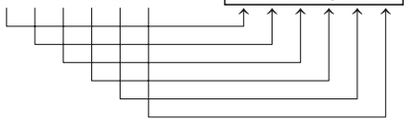
Similarly,

A	R	I	D
↓	↓	↓	↓
6	7	4	2

∴ ARID ⇒ 6742

6. (*d*) Letters are coded with their corresponding positions in alphabetical series.
As, R U N ⟶ 18 21 14 and P E N ⟶ 16 5 14

Similarly, R A N S O M → 18 1 14 19 15 13



∴ RANSOM ⇒ 18114191513

7. (*a*) Letters are coded with their corresponding positions in alphabetical series.

As, G E R M A N Y
7 5 18 13 1 14 25

Similarly, F R A N C E
6 18 1 14 3 5

∴ FRANCE ⇒ 6, 18, 1, 14, 3, 5

8. (*b*) As, 4 1 0 9 5 and 8 4 0 3 2 7
R E A D Y F R A I L S

` Similarly, 8 3 1 4 5 4 1 9
F I E R Y R E D

∴ 83145 419 ⇒ FIERY RED

9. (*c*) 7 is coded as CBRT 343.
343 is the cube of 7 *i.e.,* (7^3 = 343).
Similarly, 9 is coded as CBRT 729.
729 is the cube of 9 *i.e.,* (9^3 = 729).

10. (*b*) A = 1, B = 3, C = 5, D = 7, E = 9, F = 11, G = 13, H = 15, I = 17, J = 19, K = 21, L = 23, M = 25, N = 27, O = 29, P = 31, Q = 33, R = 35, S = 37, T = 39, U = 41, V = 43, W = 45, X = 47, Y = 49, Z = 51

∴ HONEY = 1 5 2 9 2 7 9 4 9

11. (*b*) Basic word H E L L O
15 12 12 5 8

'H' has 8th position in the alphabetical order and 'O' has 15th position as in the alphabetical order. Both the positions of numeric form are interchanged as shown in the above figure. Similarly, 'L' has 12th position which is interchanged with 'E's position i.e., '5' and so on in the same way.

Basic word W H E R E
5 18 5 8 23

∴ WHERE ⇒ 5/18/5/8/23

12. (*d*) As, 16 (P) → 16 × 2 = 32

5 (E) → 5 × 2 = 10

14 (N) → 14 × 2 = 28

PEN ⇒ 321028

Similarly, 20 (T) → 20 × 2 = 40

21 (U) → 21 × 2 = 42

2 (B) → 2 × 2 = 4

∴ TUB = 40424

13. (*a*) As, P A I N T and E X C E L
7 4 1 2 8 9 3 5 9 6

Similarly, A C C E P T
4 5 5 9 7 8

∴ ACCEPT ⇒ 455978

14. (*c*) As, D A N G E R and R A N C O R
1 4 5 2 3 7 7 4 5 9 6 7

Similarly, R A G E
7 4 2 3

∴ RAGE ⇒ 7423

15. (*b*) As, H O N E S T Y and P O V E R T Y
5 1 3 2 4 6 8 7 1 9 2 0 6 8

Similarly, H O R S E
5 1 0 4 2

∴ HORSE ⇒ 51042

16. (*c*) As, R E F O R M and F O R M U L A
4 2 6 3 4 9 6 3 4 9 8 7 1

Similarly, M U L E
9 8 7 2

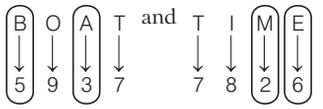
∴ MULE ⇒ 9872

17. (*b*) As, D R E A M and C H I L D
7 8 0 2 6 5 3 4 1 7

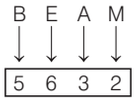
Similarly, L E A D E R
1 0 2 7 0 8

∴ LEADER ⇒ 102708

18. (*c*) As,

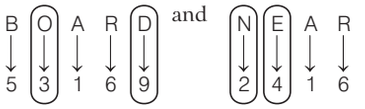


Similarly,

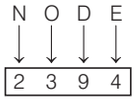


∴ BEAM ⇒ 5632

19. (*a*) As,

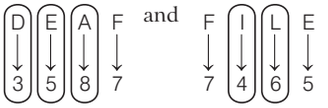


Similarly,

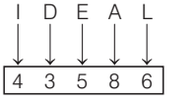


∴ NODE ⇒ 2394

20. (*d*) As,

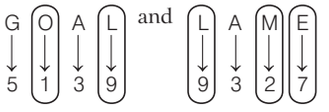


Similarly,

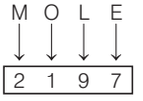


∴ IDEAL ⇒ 43586

21. (*a*) As,

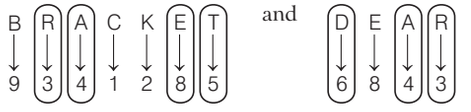


Similarly,

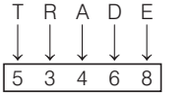


∴ MOLE ⇒ 2197

22. (*c*) As,

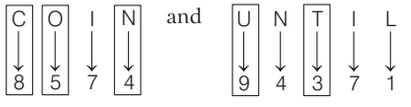


Similarly,

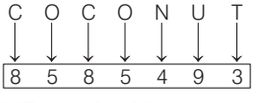


∴ TRADE ⇒ 53468

23. (*b*) As,

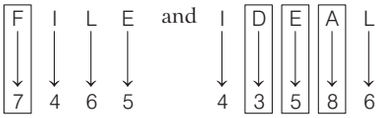


Similarly,

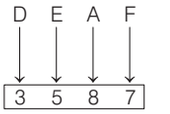


∴ COCONUT ⇒ 8585493

24. (*c*) As,

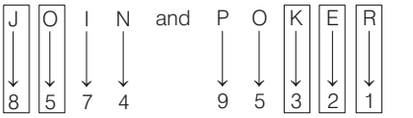


Similarly,

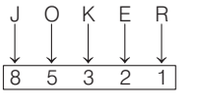


∴ DEAF ⇒ 3587

25. (*c*) As,



Similarly,



∴ JOKER ⇒ 85321

26. (*c*) As, TERRACE = 70

According to positional value of alphabets

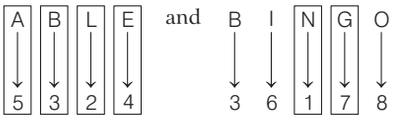
TERRACE = 20 + 5 + 18 + 18 + 1 + 3 + 5 = 70

Similarly, BALCONY

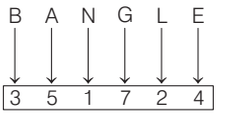
= 2 + 1 + 12 + 3 + 15 + 14 + 25 = 72

∴ BALCONY ⇒ 72

27. (*a*) As,

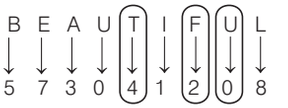


Similarly,

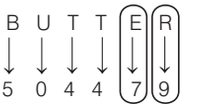


∴ BANGLE ⇒ 351724

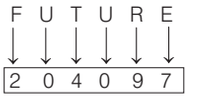
28. (*a*) As,



and

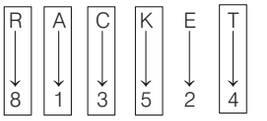


Similarly,

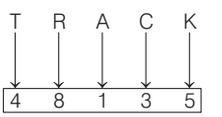


∴ FUTURE ⇒ 204097

29. (*c*) As,

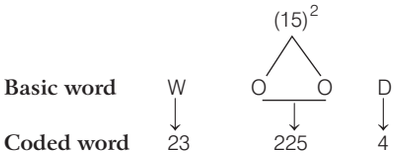


Similarly,

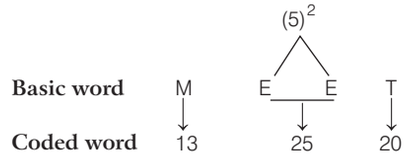


∴ TRACK ⇒ 48135

30. (*c*)



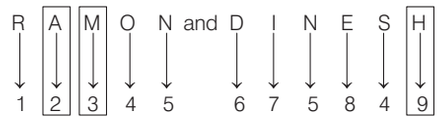
In this 'W' has 23rd position in the alphabetical order, 'D' has 4th position, 'O' has 15th position in the alphabetical order and 225 is the square of number 15.



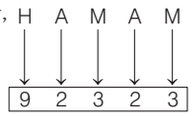
'M' has 13th position, 'T' has 20th position and 'E' has 5th position in alphabetical order and 25 is the square of number 5.

∴ MEET ⇒ /13/25/20

31. (*b*) As,

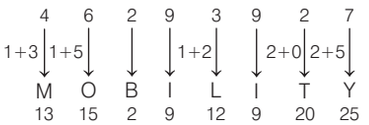


Similarly,

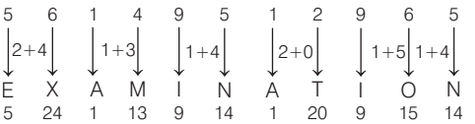


∴ HAMAM ⇒ 92323

32. (*c*) As,



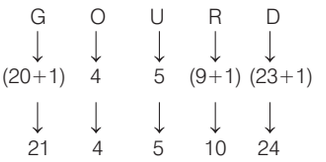
Similarly,



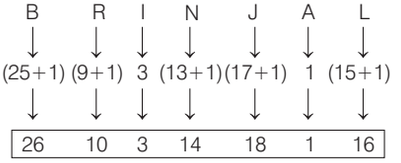
∴ EXAMINATION ⇒ 56149512965

33. (*c*) Here vowels are coded as A = 1, E = 2, I = 3, O = 4, U = 5 and consonant are coded as backward position in English alphabet +1

As,



Similarly,



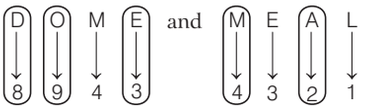
∴ BRINJAL ⇒ 26 – 10 – 3 – 14 – 18 – 1 – 16

34. (*d*) As, RED ⟶ 18 × 5 × 4 = 360

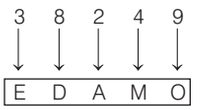
Similarly, GREEN ⟶ 7 × 18 × 5 × 5 × 14 = 44100

Hence, GREEN can be coded as 44100.

35. (*d*) As,

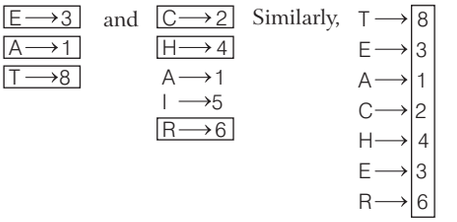


Similarly,



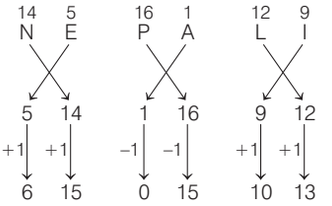
∴ 38249 ⇒ EDAMO

36. (*b*) As,

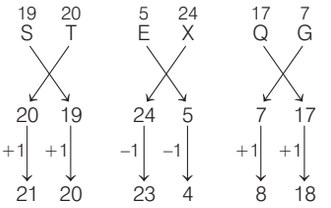


∴ TEACHER ⇒ 8312436

37. (*a*) As,

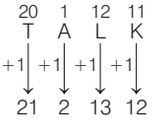


Similarly,

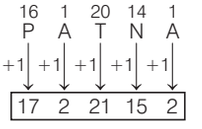


∴ STEXQG ⇒ 21-20-23-4-8-18

38. (*d*) As,



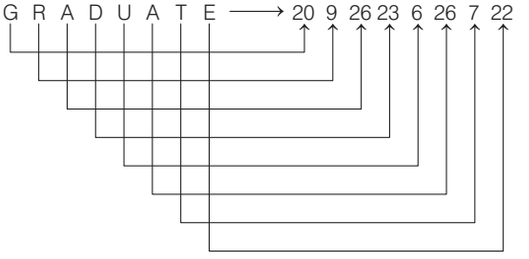
Similarly,



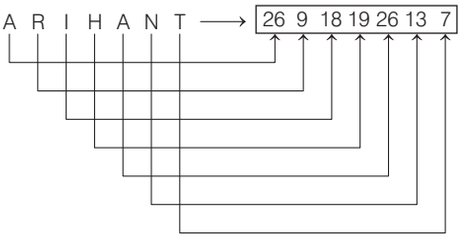
∴ PATNA ⇒ 17221152

39. (*a*) Each letter is coded with its backward order letter position.

As,



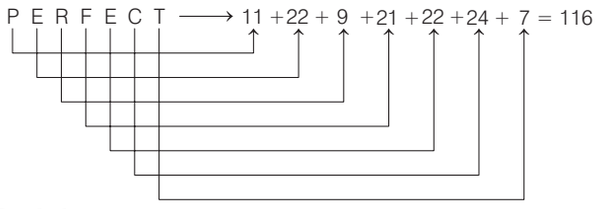
Similarly,



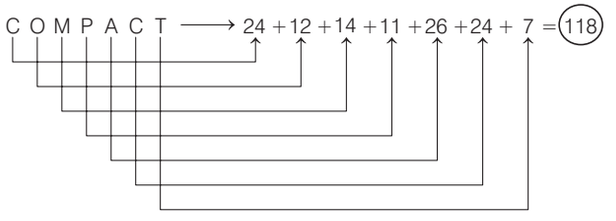
∴ ARIHANT ⇒ 269181926137

40. (***d***) Reverse alphabetical positions of letters are added.

As,



Similarly,

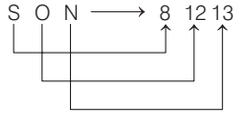


∴ COMPACT ⇒ 118

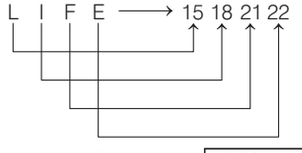
41. (***b***) As, PING = 4 (∵ Number of letters = 4)
and METAL = 5 (∵ Number of letters = 5)
Similarly, STEADYS = 7 (∵ Number of letters = 7)

42. (***a***) Letters are coded with their reverse alphabetical position.

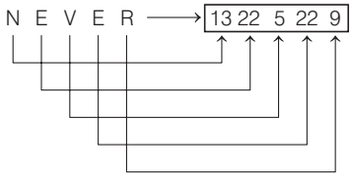
As,



and



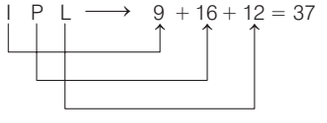
Similarly,



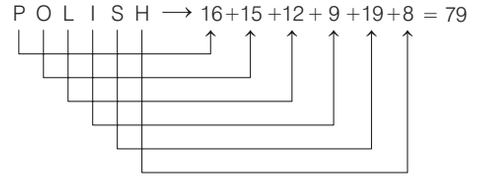
∴ NEVER ⇒ 13225229

43. (***a***) Required answer = Sum of their alphabetical position.

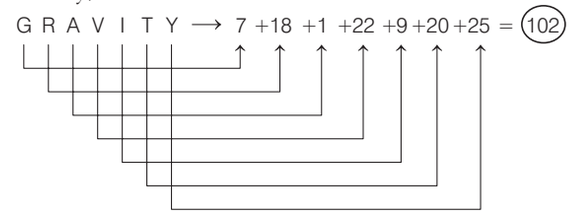
As,



And,



Similarly,



∴ GRAVITY = 102

44. (***d***) $\overset{20}{T}\ \overset{9}{I}\ \overset{19}{S}\ \overset{19}{S}\ \overset{21}{U}\ \overset{5}{E}$

⇒ 20 + 9 + 19 + 19 + 21 + 5 = 93

Similarly, $\overset{18}{R}\ \overset{15}{O}\ \overset{3}{C}\ \overset{11}{K}\ \overset{5}{E}\ \overset{20}{T}$

⇒ 18 + 15 + 3 + 11 + 5 + 20 = 72

∴ ROCKET ⇒ 72

45. (***a***) As, E = 5

and $\overset{5}{E}\ \overset{22}{V}\ \overset{5}{E}\ \overset{14}{N}$

$5 + 22 + 5 + 14 = 46$

Similarly, $\overset{5}{E}\ \overset{14}{N}\ \overset{20}{T}\ \overset{5}{E}\ \overset{18}{R}$

$5 + 14 + 20 + 5 + 18 = 62$

∴ ENTER = 62

46. (***c***) As, A = 1

and $\overset{12}{L}\ \overset{15}{O}\ \overset{20}{T}$

$12 + 15 + 20 = 47$

Similarly, $\overset{13}{M}\ \overset{1}{A}\ \overset{20}{T}$

$13 + 1 + 20 = 34$

∴ MAT ⇒ 34

47. (***c***) As, M = 13

and $\overset{13}{M}\ \overset{1}{A}\ \overset{20}{T}$

$13 + 1 + 20 = 34$

Similarly, $\overset{23}{W}\ \overset{1}{A}\ \overset{24}{X}$

$23 + 1 + 24 = 48$

∴ WAX ⇒ 48

48. (***c***) As, E = 5

and $\overset{1}{A}\ \overset{13}{M}\ \overset{5}{E}\ \overset{14}{N}\ \overset{4}{D}\ \overset{13}{M}\ \overset{5}{E}\ \overset{14}{N}\ \overset{20}{T}$

$1 + 13 + 5 + 14 + 4 + 13 + 5 + 14 + 20 = 89$

Similarly, $\overset{19}{S}\ \overset{5}{E}\ \overset{3}{C}\ \overset{18}{R}\ \overset{5}{E}\ \overset{20}{T}\ \overset{1}{A}\ \overset{18}{R}\ \overset{25}{Y}$

$19 + 5 + 3 + 18 + 5 + 20 + 1 + 18 + 25 = 114$

∴ SECRETARY ⇒ 114

49. (*d*) As, A = 1

and $\overset{22}{V}\ \overset{1}{A}\ \overset{14}{N}$ $\quad 22+1+14=37$

Similarly, $\overset{6}{F}\ \overset{1}{A}\ \overset{20}{T}$ $\quad 6+1+20=(27)$

$\therefore$ FAT $\Rightarrow$ 27

50. (*d*) As, $\overset{14}{N} \Rightarrow (14\times2)+2=30$

and $\overset{3\ 15\ 20}{C\ O\ T} \Rightarrow (3+15+20)\times2+2$

$=38\times2+2$

$=76+2=78$

Similarly, $\overset{16\ 5\ 20}{P\ E\ T} \Rightarrow (16+5+20)\times2+2$

$=41\times2+2=82+2=\boxed{84}$

51. (*c*) As, ZIP $\xrightarrow{\text{Opposite letter}}$ ARK $\rightarrow 1+18+11=30$

and ZAP $\xrightarrow{\text{Opposite letter}}$ AZK $\rightarrow 1+26+11=38$

Similarly, VIP $\xrightarrow{\text{Opposite letter}}$ ERK $\rightarrow 5+18+11=\boxed{34}$

$\therefore$ VIP = 34

52. (*d*) As, P = 16

and $\overset{16}{P}\ \overset{21}{U}\ \overset{20}{T}$ $\quad 16\times21\times20=6720$

Similarly, $\overset{16}{P}\ \overset{9}{I}\ \overset{3}{C}\ \overset{11}{K}$ $\quad 16\times9\times3\times11=(4752)$

$\therefore$ PICK $\Rightarrow$ 4752

53. (*a*) As, P = 16

and $\overset{20}{T}\ \overset{1}{A}\ \overset{16}{P}$ $\quad 20+1+16=37$

Similarly, $\overset{3}{C}\ \overset{21}{U}\ \overset{16}{P}$ $\quad 3+21+16=(40)$

$\therefore$ CUP $\Rightarrow$ 40

54. (*d*) As, N = 14

and $\overset{14}{N}\ \overset{15}{O}\ \overset{20}{T}$

$14\times15\times20=4200$

Similarly, $\overset{14}{N}\ \overset{1}{A}\ \overset{13}{M}\ \overset{5}{E}$

$14\times1\times13\times5=(910)$

$\therefore$ NAME $\Rightarrow$ 910

55. (*b*) As, E = 5

and $\overset{8}{H}\ \overset{5}{E}\ \overset{14}{N}$ $\quad 8+5+14=27$

Similarly, $\overset{16}{P}\ \overset{5}{E}\ \overset{20}{T}$ $\quad 16+5+20=(41)$

$\therefore$ PET $\Rightarrow$ 41

56. (*c*) As, T = 20

and $\overset{20}{T}\ \overset{5}{E}\ \overset{1}{A}\ \overset{13}{M}$ $\quad 20+5+1+13=39$

Similarly, $\overset{20}{T}\ \overset{18}{R}\ \overset{5}{E}\ \overset{5}{E}$ $\quad 20+18+5+5=(48)$

$\therefore$ TREE $\Rightarrow$ 48

57. (*a*) As, M = 13

and $\overset{13}{M}\ \overset{1}{A}\ \overset{4}{D}$ $\quad 13\times1\times4=52$

Similarly, $\overset{13}{M}\ \overset{15}{O}\ \overset{15}{O}\ \overset{4}{D}$ $\quad 13\times15\times15\times4=(11700)$

$\therefore$ MOOD $\Rightarrow$ 11700

58. (*a*) As, $\overset{7\ 1\ 14\ 5\ 19\ 8}{G\ A\ N\ E\ S\ H} \rightarrow 7+1+14+5+19+8=54$

Similarly, $\overset{16\ 1\ 18\ 22\ 1\ 20\ 9}{P\ A\ R\ V\ A\ T\ I} \rightarrow$

$16+1+18+22+1+20+9=\boxed{87}$

$\therefore$ PARVATI $\Rightarrow$ 87

59. (*c*) As,

$\overset{13}{M}$	$\xrightarrow{+6}$	19	
$\overset{1}{A}$	$\xrightarrow{+6}$	7	
$\overset{3}{C}$	$\xrightarrow{+6}$	9	
$\overset{8}{H}$	$\xrightarrow{+6}$	14	
$\overset{9}{I}$	$\xrightarrow{+6}$	15	
$\overset{14}{N}$	$\xrightarrow{+6}$	20	
$\overset{5}{E}$	$\xrightarrow{+6}$	11	

Similarly,

$\overset{4}{D}$	$\xrightarrow{+6}$	10
$\overset{1}{A}$	$\xrightarrow{+6}$	7
$\overset{14}{N}$	$\xrightarrow{+6}$	20
$\overset{7}{G}$	$\xrightarrow{+6}$	13
$\overset{5}{E}$	$\xrightarrow{+6}$	11
$\overset{18}{R}$	$\xrightarrow{+6}$	24

$\therefore$ DANGER $\Rightarrow$ 10-7-20-13-11-24

60. (*d*) Each letter is coded with its reverse order letter position.

$\therefore$ BRIEF $\Rightarrow$ 25, 9, 22, 18, 21

61. (*d*) Coded with (Sum of the corresponding alphabetical series) $\times$ 4.

As,

N O T I O N $\longrightarrow [14+15+20+9+15+14]\times4=87\times4$

$=348$

Similarly,

T O T A L $\longrightarrow [20+15+20+1+12]\times4=68\times4$

$=272$

$\therefore$ TOTAL $\Rightarrow$ 272

62. (*a*) As,

J N U

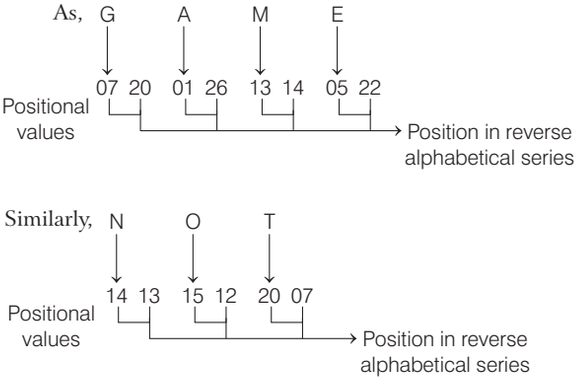
Positional values: 10 17 14 13 21 06 $\rightarrow$ Position in reverse alphabetical series

Similarly, P U S A

Positional values: 16 11 21 06 19 08 01 26 $\rightarrow$ Position in reverse alphabetical series

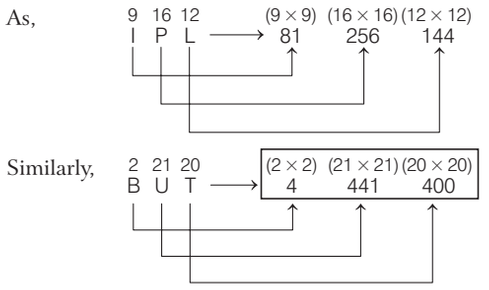
$\therefore$ PUSA $\Rightarrow$ 16112106190801 26

63. (*d*)



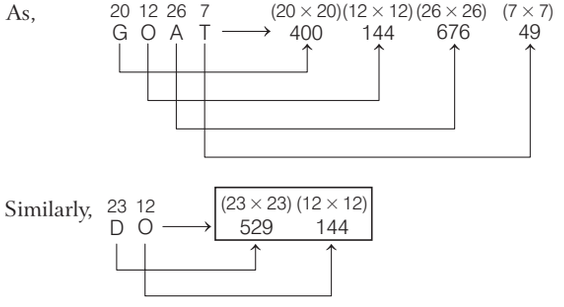
∴ NOT ⇒ 141315122007

64. (*a*) Square of the position of the alphabets in the alphabetical serties.



∴ BUT ⇒ 4441400

65. (*a*) Square of the reverse alphabetical position. Let us see

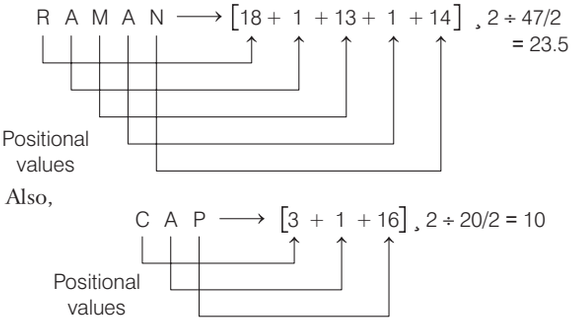


∴ DO ⇒ 529144

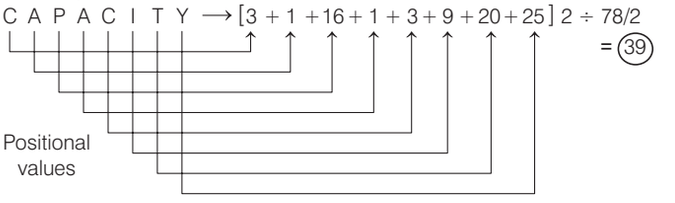
66. (*b*) Required answer

$$= \frac{\text{Sum of the corresponding alphabetical positions}}{2}$$

As,



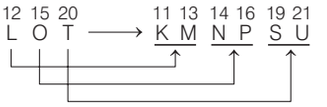
Similarly,



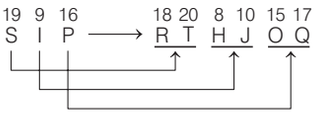
∴ CAPACITY ⇒ 39

67. (*a*) Each letter is coded with its left and right letter positions in alphabetical series.

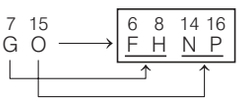
As,



Also,



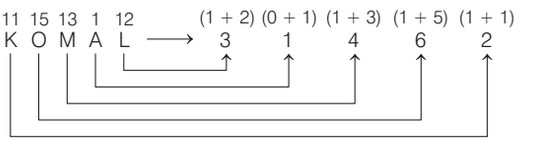
Similarly,



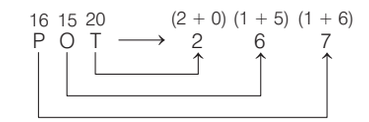
∴ GO ⇒ 681416

68. (*d*) Starting from right, each letter is coded with the digits sum of its corresponding position in alphabetical series.

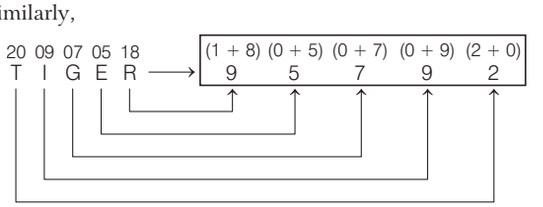
As,



and



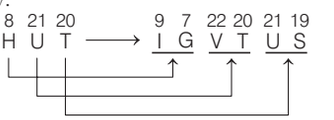
Similarly,



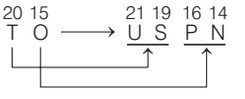
∴ TIGER ⇒ 95792

69. (*a*) Each letter is coded with its right and left letters positions, respectively.

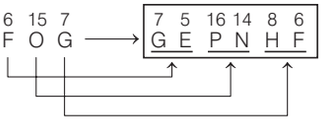
As,



Also,

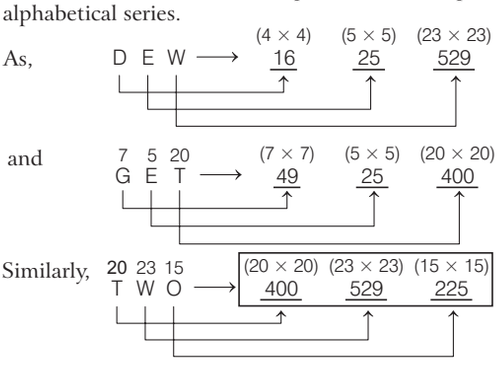


Similarly,



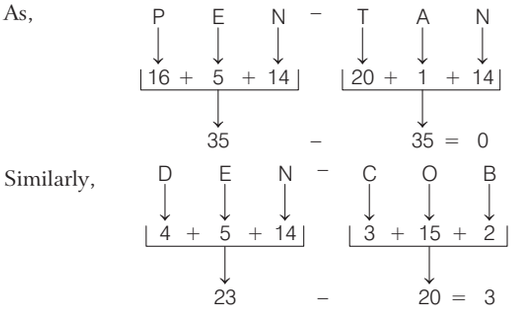
∴ FOG ⇒ 75161486

70. (*b*) Each letter is coded with the square of its letter positions in alphabetical series.



∴ TWO ⇒ 400529225

71. (*b*) Each letter is coded with the digits sum of its letters positions in English alphabetical series. Let us see



∴ DEN-COB ⇒ 3

72. (*c*) Given, REASON = 5 and BELIEVED = 7
Here, number of letters in the word –1= code
Similarly, GOVERNMENT =10 – 1
∴ GOVERNMENT = 9

TYPE 03

Symbol Coding Based on Similarity

In symbol coding, various symbols are assigned to the letters of a word and based upon their correlation or similarity, the candidates are required to determine the rules or pattern which is being followed.

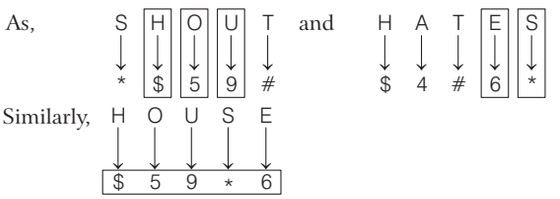
Under this pattern each letter of a letter group/word is coded on the basis of the similarity of two or more given codes.

Following example will give you a better idea about the type of questions asked.

Ex 21 In a certain code language, SHOUT is written as *$59# and HATES is written as $4#6*. How will HOUSE be coded in the same code language? ⊤ RBI Assistant 2017

(a) $59#2
(b) 6$295
(c) #95$6
(d) Cannot be determined
(e) $59*6

Solution (e)



∴ HOUSE ⇒ $5 9*6

Practice /CORNER 4.3

1. If in a certain code language 'STAR' is written as '5 $ ★ 2', 'TORE' is written as '$ 3 2 @', then how will 'OATS' be written in that language? ⊤ LIC (ADO) 2009

(a) 3 ★ 5 $ (b) 3 ★ $ 5
(c) 3 $ ★ 5 (d) 3 5 ★ $
(e) None of these

2. If in a certain code language 'GONE' is written as '5 @ © 9' and 'SEAL' is written as '6 9 % ★', then how will 'LOGS' be written in that language? ⊤ SBI (Clerk) 2010

(a) ★ © 5 6 (b) ★ 9 © 6
(c) ★ @ 6 5 (d) ★ @ 5 6
(e) None of these

3. If in a certain code language 'FIRE' is written as '# % @ $' and 'DEAL' is written as '© $ ★ ↑', then how will 'FAIL' be written in that language?

(a) # ★ % ↑ (b) # $ % ↑
(c) # ★ @ $ (d) # ★ © ↑

4. If in a certain code language 'ROPE' is written as '% 5 7 $', 'DOUBT' is written as '3 5 # 8 ★', and 'LIVE' is written as '@ 2 4 $', then how will 'TROUBLE' be written in that language?

(a) ★ % 5 $ 8 @ $ (b) ★ % # 58 @ $
(c) ★ % 5 # 8 @ 4 (d) ★ % # 58 $ 8
(e) None of these

5. In a certain code, 'BASKET' is written as '5$3%#1' and 'TRIED' is written as '14 ★ # 2'. How is 'SKIRT' written in that code?

(a) 3 % ★ 4 1 (b) 3 ★ % 4 1 (c) 3 % # 4 1 (d) 3 # 4 % 1
(e) None of these

6. If in a certain code language 'HEART' is written as '@8531', 'FEAST' is written as '#8541', then how will 'FARTHEST' be written in that language?

(a) @ 8 5 4 3 # 1 8 (b) # 5 3 1 4 @ 8 1
(c) # 5 3 1 @ 8 4 1 (d) 4 5 3 1 @ 8 4 5
(e) None of these

7. If in a certain code language 'RAT' is written as '★Δ%', 'CAT' is written as '#Δ%' and 'FAT' is written as '$Δ%', then how will 'CAR' be written in that language?
(a) $%Δ (b) #%$ (c) #HΔ (d) #ΔH
(e) None of these

8. If in a certain code language 'RAIN' is written as '8 $ % 6', 'MORE' is written as '7 # 8 @', then how will 'REMAIN' be written in that language?
(a) 8@7$%6 (b) 7@#$%6
(c) #@7$%6 (d) None of these

9. If RESEARCH is $#!#%$ & @, then SCARE is
↑ RRB NTPC 2016
A. !&%$# B. !@%$#
C. !$%#& D. !@%#$
(a) D (b) A (c) B (d) C

10. In a certain code, P is #, A is %, C is ϕ and E is @. How is PEACE written in that code?
(a) #@%@# (b) #@#ϕ@
(c) %#@ϕ% (d) #@%ϕ@
(e) None of these

11. In a certain code, 'DOWN' is written as '5@9#' and 'NAME' is written as '#6%3'. How would 'MODE' be written in that code?
(a) %653 (b) %@63 (c) %5@3 (d) %@53
(e) None of these

12. In a certain code language, 'SAFER' is written as '5@3#2' and 'RIDE' is written as '2© %#', how would 'FEDS' be written in that code? ↑ RBI (Grade 'B') 2009
(a) 3#©5 (b) 3@%5
(c) 3#%5 (d) 3#%2
(e) None of these

Answers / WITH EXPLANATIONS

1. (*b*) As, S T A R → 5 $ ★ 2 and T O R E → $ 3 2 @
Similarly, O A T S → 3 ★ $ 5
∴ OATS ⇒ 3 ★ $ 5

2. (*d*) As, G O N E → 5 @ © 9 and S E A L → 6 9 % ★
Similarly, L O G S → ★ @ 5 6
LOGS ⇒ ★ @ 5 6

3. (*a*) As, F I R E → # % @ $ and D E A L → © $ ★ ↑
Similarly, F A I L → # ★ % ↑
∴ FAIL ⇒ # ★ % ↑

4. (*e*) As, R O P E → % 5 7 $, D O U B T → 3 5 # 8 ★
and L I V E → @ 2 4 $
Similarly, T R O U B L E → ★ % 5 # 8 @ $
∴ TROUBLE ⇒ ★ % 5 # 8 @ $

5. (*a*) As, B A S K E T → 5 $ 3 % # 1 and T R I E D → 1 4 ★ # 2
Similarly, S K I R T → 3 % ★ 4 1
∴ SKIRT ⇒ 3%★41

6. (*c*) As, H E A R T → @ 8 5 3 1 and F E A S T → # 8 5 4 1
Similarly, F A R T H E S T → # 5 3 1 @ 8 4 1
∴ FARTHEST ⇒ #531@841

7. (*e*) As, R A T → ★ Δ % , C A T → # Δ % and F A T → $ Δ %
Similarly, C A R → # Δ ★
∴ CAR ⇒ # Δ ★

8. (*a*) As, R A I N → 8 $ % 6 and M O R E → 7 # 8 @
Similarly, R E M A I N → 8 @ 7 $ % 6
∴ REMAIN ⇒ 8 @ 7 $ % 6

9. (*b*) As, R E S E A R C H → $ # ! # % $ & @
So, S C A R E → ! & % $ #
∴ SCARE ⇒ ! & % $ #

10. (*d*) If 'P' means #, 'A' means %, 'C' means ϕ and 'E' means @.
Then, P E A C E
↓ ↓ ↓ ↓ ↓
@ % ϕ @

∴ PEACE ⇒ # @ % ϕ @

11. (*d*) As, D ⟶ 5, O ⟶ @, W ⟶ 9, N ⟶ # and N ⟶ #, A ⟶ 6, M ⟶ %, E ⟶ 3

Similarly, M ⟶ %, O ⟶ @, D ⟶ 5, E ⟶ 3

∴ MODE ⇒ % @ 5 3

12. (*c*) As, S ⟶ 5, A ⟶ @, F ⟶ 3, E ⟶ #, R ⟶ 2 and R ⟶ 2, I ⟶ ©, D ⟶ %, E ⟶ #

Similarly, F ⟶ 3, E ⟶ #, D ⟶ %, S ⟶ 5

∴ FEDS → 3 # % 5

TYPE 04

Coding by Substitution/ Word Replacement

In substitution or word replacement, a confusing code is provided by giving a different name to the word. Under this pattern, a series of words is given and each word of this series is coded with another word. Candidates are required to find out the code for a word in the given series and then provide the right information regarding the word.

Following examples will give you a better idea about the type of questions asked

Ex 22 If 'green' is called 'red', 'red' is called 'blue', 'blue is called white', 'white' is called 'yellow', 'yellow' is called 'violet', then what is the colour of grass?

(a) Blue (b) Yellow (c) Violet (d) Red

Solution (d) As, colour of grass is 'green' but here 'green' is called 'red' and hence according to the given information colour of grass must be 'red'.

Ex 23 If 'blue' means 'green', 'green' means 'white', 'white 'means' 'yellow', 'yellow' means 'black', 'black' means 'red' and 'red' means 'brown', then what is the colour of 'milk'?

⊤ NIFT (UG) 2014

(a) Black (b) White (c) Yellow (d) Green

Solution (c) Colour of 'milk' is 'white' but here 'white' means 'yellow'. Hence, colour of 'milk' is yellow.

Practice /CORNER 4.4

1. If 'RED' is called 'GREEN', 'GREEN' is called 'YELLOW', 'YELLOW' is called 'VIOLET', 'VIOLET' is called 'BLUE',' BLUE' is called 'ORANGE', then what is the colour of 'Lady Finger'?

(a) GREEN (b) BLUE
(c) VIOLET (d) YELLOW

2. If 'DOG' is called 'COW', 'COW' is called 'LION, 'LION' is called 'BUFFALO', 'BUFFALO' is called 'OX', 'OX' is called 'CAT', then which of the following animals is wild one?

(a) DOG (b) BUFFALO (c) LION (d) OX

3. If 'CAR' is called 'BIKE', 'BIKE' is called 'BICYCLE', 'BICYCLE' is called 'SCOOTER', 'SCOOTER' is called 'TRAIN', 'TRAIN' is called 'AEROPLANE', then which one of the following options is associated with railways?

(a) BIKE (b) TRAIN
(c) AEROPLANE (d) SCOOTER

4. If 'orange' is called 'butter', 'butter' is called 'soap', 'soap' is called 'ink', 'ink' is called' 'honey and 'honey' is called 'orange', which of the following is used for washing clothes? ⊤ FCI Uttarakhand Watchman 2018

(a) Soap (b) Honey
(c) Orange (d) Ink

5. If 'ROAD' is called 'CAR', 'CAR' is called 'TRAIN', 'TRAIN' is called 'SCHOOL', 'SCHOOL' is called 'HOUSE', 'HOUSE' is called 'OFFICE', then where do children go to study? ⊤ UCO Bank (Clerk) 2011

(a) HOUSE (b) TRAIN
(c) SCHOOL (d) OFFICE
(e) None of these

6. If 'bucket' is known as 'tub', 'tub' is known as 'glass', 'glass' is known as 'saucer', 'saucer' is known as 'spoon', then which utensil will be used for drinking water?

(a) Tub (b) Saucer
(c) Glass (d) Spoon

7. If 'HINDI' is called 'ENGLISH', 'ENGLISH' is called 'URDU', 'URDU' is called 'HISTORY', 'HISTORY' is called 'ECONOMICS', 'ECONOMICS' is called 'BIOLOGY', then in which subject we read the story of Mughal King Shahjahan?
(a) History (b) English
(c) Urdu (d) Economics

8. If 'blue' is called 'green', 'green' is called 'white', 'white' is called 'red', 'red' is called 'black', then what is the colour of clear sky?
(a) Blue (b) Green (c) White (d) Black

9. If 'green' is called 'black', 'black' is called 'blue', 'blue' is called 'red', 'red' is called 'white' and 'white' is called 'orange', then what is the colour of blood?
(a) Red (b) Black (c) Green (d) White
(e) None of these

10. If 'tiger' is called 'fox', 'fox' is called 'lion', 'lion' is called 'rat', 'rat' is called 'goat', 'goat' is called 'cow', then which of the following is the king of forest?
(a) Fox (b) Lion (c) Rat (d) Cow

11. In a certain code language, pink is called wood, wood is called pen, pen is called colour and colour is called brown. In this language, which of the following is used for writing ? ⊤ SSC CPO 2019
(a) Pen (b) Pink (c) Brown (d) Colour

12. If 'blue' is called 'green', 'green' is called 'orange', 'orange' is called 'yellow', 'yellow' is called 'black', 'black' is called 'red' and 'red' is called 'white', then what is the colour of turmeric?
(a) Orange (b) Green (c) White (d) Black
(e) None of these

13. If 'flower' is called 'tree', 'tree' is called 'red', 'red' is called 'gold' and 'gold' is called 'white', then with which of the following items, jewellery is made? ⊤ IBPS (PO) 2011
(a) Tree (b) Red (c) White (d) Flower
(e) None of these

14. If 'lion' is called 'fish', 'fish' is called 'parrot', 'parrot' is called 'rat', 'rat' is called 'cat' and 'cat' is called 'tiger', then which of the following is a bird?
(a) Fish (b) Parrot
(c) Rat (d) Tiger

15. If 'goat' is called 'cow', 'cow' is called 'lion', 'lion' is called 'ass', 'ass' is called 'rat', 'rat' is called 'cat', 'cat' is called 'dog'; then which of the following is a rodent?
(a) Lion (b) Ass (c) Rat (d) Cat

16. If 'football' is called 'hockey', 'hockey' is called 'badminton', 'badminton' is called 'cricket', 'cricket' is called 'tennis', 'tennis' is called 'squash' and 'squash' is called 'chess', then which game Sachin Tendulkar associated with?
(a) Squash (b) Cricket
(c) Badminton (d) Tennis

17. If 'lily' is called 'lotus', 'lotus' is called 'rose', 'rose' is called 'sunflower' and 'sunflower' is called 'marigold', then which will be the national flower of India?
(a) Lily (b) Lotus
(c) Rose (d) Marigold

18. On another planet, the local terminology for 'earth', 'water', 'light', 'air' and 'sky' are 'sky', 'light', 'air', 'water' and 'earth', respectively. If someone is thirsty there, what would he drink?
(a) Light (b) Air (c) Sky (d) Water

19. If the animals which can walk are called 'swimmers', animals who crawl are called 'flying', those living in water are called 'snakes' and those which fly in the sky are called 'hunters', then what will a lizard be called?
(a) Swimmers (b) Snakes
(c) Flying (d) Hunters

20. If rain is water, water is road, road is cloud, cloud is sky, sky is sea and sea is path, where do aeroplanes fly? ⊤ UKPSC Asst. Conservator of forest 2019
(a) Road (b) Sea (c) Cloud (d) Water

Answers / WITH EXPLANATIONS

1. (*d*) Colour of 'Lady Finger' is green but here green is called yellow. Hence, colour of 'Lady Finger' is yellow.

2. (*b*) 'Lion' is a wild animal but here 'lion' is called 'buffalo'. Hence, in this case 'buffalo' is a wild animal.

3. (*c*) 'Train' is associated with 'railways' but here train is called 'aeroplane'. Hence, in this case 'aeroplane' is associated with railways.

4. (*d*) Soap is used for washing clothes and soap is called ink. Therefore, ink is used for washing clothes.

5. (*a*) Children study in 'school' but here 'school' is called 'house'. Hence, in this case 'house' is the place where children go to study.

6. (*b*) 'Glass' is used for drinking water and here 'glass' is called as 'saucer'. Hence, in this case saucer is used for drinking 'water'.

7. (*d*) In 'History', we read the story of Shahjahan; but here History is called 'Economics'. Hence, in this case, we read about Shahjahan in Economics.

8. (*b*) The colour of clear sky is 'blue' but here 'blue' is called 'green'. Hence, in this case colour of clear sky is 'green'.

9. (*d*) Colour of blood is 'red' but here 'red' is called 'white'. Hence, in this case colour of blood is 'white'.

10. (*c*) The king of forest is 'lion' but here 'lion' is called 'rat'. Hence, in this case rat is the king of forest.

11. (*d*) Pen is used for writing but here, pen is called colour. So, colour is used for writing.

12. (*d*) The colour of turmeric is 'yellow' but here, 'yellow' is called 'black'. Hence, in this case colour of turmeric is 'black'.

13. (*c*) 'Jewellery' is made of 'gold' but here 'gold' is called 'white'. Hence, in this case jewellery is made of white.

14. (**c**) 'Parrot' is a bird but here 'parrot' is called 'rat'. Hence, in this case 'rat' is a bird.

15. (**d**) Rat is a rodent but here rat is called cat. Hence, in this case cat is a rodent.

16. (**d**) Sachin Tendulkar is a cricketer but here cricket is called tennis. Hence, in this case Sachin Tendulkar is associated with tennis.

17. (**c**) We know that, national flower of 'India' is 'lotus' and here 'lotus' is called 'rose'. Hence, in this case 'rose' is the national flower of India.

18. (**a**) 'Water' quenches thirst and here 'water' is called as 'light'. Hence, in this case 'light' quenches thirst.

19. (**c**) Lizard crawls and here 'crawl' is called 'flying'. Hence, in this case, lizard is 'flying'.

20. (**b**) Since aeroplanes fly in the sky and sky is called sea. Therefore, aeroplanes fly in the sea.

TYPE 05

Fictitious Language Coding

In this type of questions, some messages are provided in the code language and some codes are assigned to each word of the messages.

The candidates are required to decipher the code of each word by finding the common code for two words and this process is followed to decipher the code for each word thereafter and hence the entire message is decoded.

In some cases, there is no common word/number in the message given. In those cases, the words/numbers are coded separately. You have to identify the correct pattern of coding and find the code for the word or message given in the question.

Following examples will give you a better idea about the type of questions asked

***Ex* 24** In a certain code language 'he is great' is written as 'ka pa ra' and 'is Ram hungry' is written as 'na sa ka'. Find the code for 'is'.

(a) na (b) sa (c) ka (d) ra

Solution (c) he (is) great ⟶ (ka) pa ra

(is) Ram hungry ⟶ na sa (ka)

Clearly, code for 'is' = ka

In the above example, code for 'he' = pa or ra

code for 'great' = pa or ra

code for 'Ram' = na or sa

code for 'hungry' = na or sa

In place of fictious language, words can also be coded with digits (1, 2, 3, ...), letters (A, B, C, ...) or symbols (ϕ, %, +, ⇒, ...).

***Ex* 25** In a certain code language, 'po ki top ma' means 'Usha is playing cards', 'kop ja ki ma' means 'Asha is playing tennis', 'ki tap sop ho' means 'they are playing football' and 'po sur kop' means 'cards and tennis'. Which word in that language means 'Asha'? ⊤ RPSC 2013

(a) ja (b) ma (c) kop (d) top

Solution (a) According to the given information,

(po) (ki) top [ma] = Usha [is] (playing) (cards) ...(i)

(kop) ja (ki) [ma] = Asha [is] (playing) (tennis) ...(ii)

(ki) tap sop ho = they are (playing) football ...(iii)

(po) sur (kop) = (cards) and (tennis) ...(iv)

From Eqs. (i), (ii) and (iv), 'ja' means 'Asha'.

***Ex* 26** In a certain code language, '1 2 3' means 'hot filtered coffee', '3 5 6' means 'very hot day' and '5 8 9' means 'day and night'. How will 'very' be coded as in that code language? ⊤ UPSSSC Junior Assistant 2020

(a) 6 (b) 7 (c) 1 (d) 2

Solution (a) According to the given information,

1 2 (3) ⇒ (hot) filtered coffee ...(i)

(3) [5] (6) ⇒ (very) (hot) [day] ...(ii)

[5] 8 9 ⇒ [day] and night ...(iii)

From Eqs. (i), (ii) and (iii),

very ⇒ 6

DIRECTIONS ~ (Example Nos. 27-30) *Study the following information carefully and answer the given questions.* ⊤ IDBI Executive 2018

In a certain code language,

'here is tunnel she stop' is written as 'isa kin ha ti la',

'he goes through tunnel' is written as 'nit ti pi sit'

'she goes here often' is written as 'sit la tin isa' and

'tunnel is far through here' is written as 'ha nit la ti fa'

***Ex* 27.** Which of the following is the code for 'tunnel'?

(a) nit (b) ti (c) la (d) na

(e) None of these

***Ex* 28.** What does code 'sit' stand for?

(a) goes (b) through

(c) he (d) Cannot be determined

(e) None of these

***Ex* 29.** 'he is often' can be coded as ..... .

(a) sa pi la (b) fa tin ha (c) pi ha tin (d) kin tip sit

(e) None of these

***Ex* 30.** Which of the following is the code for 'stop'?

(a) la (b) tip (c) sit (d) kin

(e) None of these

Solution (Example Nos. 27-30) According to the given information,

(here) [is] tunnel (she) stop ⟶ (isa) kin [ha] ti (la)

he (goes) through tunnel ⟶ nit ti pi (sit)

(she) (goes) (here) often ⟶ (sit) (la) tin (isa)

tunnel [is] far through (here) ⟶ [ha] nit (la) ti fa

27. (b) The code for 'tunnel' is 'ti'.

28. (a) The code for 'sit' is 'goes'.

29. (c) The code for 'he is often' is 'pi ha tin'.

30. (d) The code for 'stop' is 'kin'.

DIRECTIONS ~ (Example Nos. 31-33) *Study the information below and answer the following questions.*

In a certain code language,

'Thin paper neatly folded' is written as @D6, %R5, !N4, ?Y6

'Four people from USA' is written as @M4, % E6, #A3, @K4

'Urban development programme launched' is written as %E9, *T11, #N5, &D8

'Dhaya likes forties hero' is written as @S7, &S5, *A5, $O4

***Ex* 31** The code for the word 'People' is

(a) @M4 (b) %E6
(c) #A3 (d) @R4
(e) None of these

***Ex* 32** The code '*A5' denotes which of the following word?

(a) Likes (b) Hero
(c) Forties (d) Dhaya
(e) None of these

***Ex* 33** The code word of 'Paper' is

(a) @R4 (b) %E6
(c) @M4 (d) #A3
(e) None of these

Solutions (Example Nos. 31-33) First code-symbol is as per the first letter of the word.

T	P	N	F	U	D	L	H
!	%	?	@	#	*	&	$

Second code-last letter of the word.

Third code–Number of letters in the word

31. (b) Code of 'People' is %E6.

32. (d) *A5 is the code for 'Dhaya'.

33. (e) Code for Paper is %R5.

DIRECTIONS ~ (Example Nos. 34-36) *Study the information and answer the following questions.*

In a certain code language,

'Kite fly in sit' is coded as 'X25G D5L S20T M14J'

'exam date are search' is coded as 'L13F D5B D5E G8T'

'solution is must for' is coded as 'M14T S20N R19J Q18G'

'very problem may wrong is coded as

'F7X X25N L13Q X25W'

***Ex* 34** What is the code for 'School' in the given code language ?

(a) K21R (b) R12K
(c) K12T (d) K34R
(e) R14K

***Ex* 35** What is the code for 'fight problem' in the given code language ?

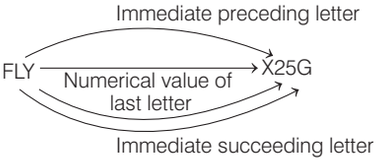
(a) L13Q S19G (b) G20S L13Q
(c) S20G L13Q (d) L13Q S19T
(e) None of these

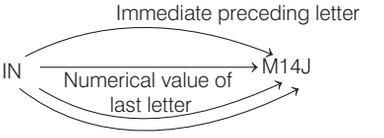
***Ex* 36** What may be the possible code for 'money quick sky' in the given code language ?

(a) X25N J11R T25X (b) J11R X25T N25X
(c) J11S X25U N25X (d) X25N X25T J11R
(e) X16N J12N X20S

Solutions (Example Nos. 34-36)

According to the given information,





34. (c) School = K12T

35. (c) Fight problem = S20G L13Q

36. (d) Money quick sky = X25N X25T J11R

Practice /CORNER 4.5

1. In a certain code language 'lu ja ka hu' means 'will you meet us', 'lu ka hu pa' means 'will you sold us'. Then what is the code of 'meet' in this code language?

T SBI Clerk 2016

(a) ja (b) lu (c) ka (d) hu
(e) None of these

2. In a certain code T UKPSC Asst. Conservator of Forest 2019

157 = He is naughty

723 = She is cute

825 = Cute and naughty

What is the code for 'She'?

(a) 2 (b) 3 (c) 5 (d) 7

3. If in a certain code language 'pick and choose' is written as 'ko ho po' and 'pick up and come' is written as 'to no ko po', then how will 'pick' be written in that language?

T LIC (ADO) 2011

(a) ko (b) po
(c) ko or po (d) Cannot be determined
(e) None of these

4. In a certain code, 'ki pit lit' means 'some small houses', 'les ki tim' means 'some good buildings' and 'tim nis lit' means' many small buildings' . What is the code for 'houses'?

T FCI Assistant 2015

(a) lit (b) ki (c) pit (d) tim

5. In a certain code language, 'Sue Re Nik' means 'She is brave', 'Pi Sor Re Nik' means 'She is always smiling' and 'Sor Re Zhi' means 'Is always cheerful'. What is the code used for the word' smiling' ? ⊤ SSC (CGL) 2014

(a) Sor (b) Nik
(c) Re (d) Pi

6. If in a certain code language 'nik ka pa' means 'who are you', 'ka na ta da' means 'you may come here' and 'ho ta sa' means 'come and go', then what does 'nik' mean in that language? ⊤ IBPS (Clerk) 2011

(a) who (b) are
(c) 'who' or 'are' (d) Data inadequate
(e) None of these

7. If in a certain code language 'how can you go' is written as 'ja da ka pa', 'you come here' is written as 'na ka sa' and 'come and go' is written as 'ra pa sa', then how will 'here' be written in that language? ⊤ IOB (PO) 2010

(a) ja (b) na
(c) pa (d) Data inadequate
(e) None of these

8. In a certain language 'la pil ta' means 'fruit is sweet', 'na sa pil' means 'flower and fruit'; 'na tee la', means 'flower is beautiful'. In that language what stands for 'sweet'? ⊤ CGPSC 2016

(a) la (b) ta
(c) sa (d) pil
(e) None of the above

9. In a certain code language, '786' means 'study very hard' '958' means 'hard work pays and '645' means 'study and work'. Which of the following is the code for 'very'? ⊤ MP Patwari 2017

(a) 9 (b) 8
(c) 6 (d) 7

10. If in a certain code language 'how old are you' is written as 'ko to po ha' and 'you are very beautiful' is written as 'na po da to', then how will 'how' be written in that language?

(a) ko (b) ha
(c) 'ko' or 'ha' (d) Data inadequate
(e) None of these

11. If in a certain code language 'no more food' is written as 'ta ka da' and 'more than that' is written as 'sa pa ka', then how will 'that' be written in that language?

(a) sa (b) ka
(c) sa or pa (d) Data inadequate
(e) None of the above

12. If in a certain code language 'nik ma de' is written as 'he has come', 'de lit pa' is written as 'come here fast' and 'ma la se' is written as 'she has gone' then how will 'he' be written in that language?

(a) nik (b) ma
(c) de (d) cannot be determined
(e) None of these

13. If in a certain code language 'monday is a holiday' is written as 'sa da pa na' and 'they enjoy a holiday' is written as 'da na ta ka', then how will 'monday' be written in that language? ⊤ IBPS (Clerk) 2011

(a) sa (b) pa
(c) 'sa' or 'pa' (d) Data inadequate
(e) None of these

DIRECTIONS ~ (Q. Nos. 14 and 15) *Study the following information carefully and answer the given questions.* ⊤ SBI Clerk 2018

In a certain code language,
'good key friends' in coded as 'xo pe cm'
'key law found' is coded as 'xo og bt'
'data key good' is coded as 'tu xo pe'

14. Which of the following is the code for 'good'?

(a) xo (b) pe (c) tu (d) cm
(e) None of these

15. Which of the following word is coded as 'og'?

(a) Law (b) Good
(c) Found (d) Either 'a' or 'c'
(e) None of the above

DIRECTIONS ~(Q. Nos. 16-20) *Study the given information carefully to answer the given questions.* ⊤ IBPS PO 2015

In a certain code language.
'few organise farming techniques' is written as 'li gs da ce'
'fertilizer products few available' is written as 'fo pz nb gs'
'organise waste into fertilizer' is written as 'nb ce pt mk'
'disposal of farming waste' is written as 'hu mk li yu'
(All codes are two-letter codes only)

16. What will be the code for 'few waste' in the given code language?

(a) mk gs (b) gs li (c) pt da (d) da mk
(e) Other than those given as options

17. What is the code for 'organise' in the given code language?

(a) is (b) ce (c) da (d) pt
(e) Other than those given as options

18. In the given code language, what does the code 'yu' stand for?

(a) farming (b) techniques
(c) Either 'of' or 'disposal' (d) waste
(e) Either 'into' or 'few'

19. If 'waste management techniques' is coded as 'ax da mk' in the given code language, then how will 'farming fertilizer management' be coded as?

(a) ax nb cr (b) li ax pt
(c) nb li ax (d) gs li nb
(e) Other than those given as option

20. What is the code for 'available' in the given code language?

(a) Either 'pz' or 'fo' (b) Either 'nb' or 'mk'
(c) li (d) hu
(e) Other than those given as options

DIRECTIONS ~ (Q. Nos. 21-25) *Study the following information carefully and answer the questions given below.* ⊤ IBPS RRB PO 2019

In a certain code language
'left right centre' is written as 'yo vo na',
'ahead below behind, is written as 'sa ra la',
'above centre right' is written as 'ha vo na', and
'behind below above' is written as 'ha ra la'

21. What is the code for 'left' ?
(a) sa (b) ha (c) yo (d) na
(e) None of these

22. 'behind' will be written as ?
(a) ra (b) ha
(c) la (d) either (a) or (c)
(e) None of these

23. What is the code for 'ahead' ?
(a) sa (b) yo
(c) la (d) ha
(e) Can not be determined

24. What does 'ha' stand for ?
(a) behind (b) below
(c) ahead (d) above
(e) None of these

25. What is the code for 'centre' ?
(a) la (b) yo (c) sa (d) ha
(e) Can not be determined

DIRECTIONS ~ (Q.Nos. 26-30) *Study the given information and answer the given questions.* ⊤ SBI Clerk 2015

In a certain code language
'dress code for meeting' is written as 'dk pd jn te'
'wear black formal dress' is written as 'pd ro ld le'
'formal meeting this weekend' is written as 'yi te le vr'
'black code this weekend' is written as 'jn vr ld yi'
(All the codes are two-letter codes).

26. In the given code language, what does 'le' stands for?
(a) this (b) formal (c) dress (d) black
(e) None of these

27. In the given code language, what is the code for 'dress'?
(a) jn (b) ro (c) ld (d) pd
(e) None of these

28. What does 'ld' stand for in the given code language?
(a) meeting
(b) weekend
(c) formal
(d) Other than those given as options
(e) None of the above

29. Which of the following possibly means 'security code' in the given code language?
(a) ux vr (b) vr tc (c) pd ux (d) jn ux
(e) None of these

30. What is the code for 'weekend' in the given code language?
(a) Either yi or vr (b) le
(c) te (d) jn
(e) ld

DIRECTIONS ~ (Q. Nos. 31-35) *Study the following information carefully to answer the given questions.* ⊤ SBI (PO) 2013

In a certain code language.
'economics is not money' is written as 'ka la ho ga'
'demand and supply economics' is written as 'mo ta pa ka'
'money makes only part' is written as 'zi la ne ki'
'demand makes supply economics' is written as 'zi mo ka ta'

31. What is the code for 'money' in the given code language?
(a) ga (b) mo (c) pa (d) ta
(e) la

32. What is the code for 'supply' in the given code language?
(a) Only ta (b) Only mo
(c) Either pa or mo (d) Only pa
(e) Either mo or ta

33. What may be the possible code for 'demand only more' in the given code language?
(a) xi ne mo (b) mo zi ne
(c) ki ne mo (d) mo zi ki
(e) xi ka ta

34. What may be the possible code for 'work and money' in the given code language?
(a) pa ga la (b) pa la lu
(c) mo la pa (d) tu la ga
(e) pa la ne

35. What is the code for 'makes' in the given code language?
(a) mo (b) pa
(c) ne (d) zi
(e) ho

DIRECTIONS ~ (Q.Nos. 36-39) *Study the following information carefully to answer the given questions.* ⊤ IBPS Clerk 2017

In a certain code language
'work for earning money' is coded as 'Go3 None 5Xor4 Farnin7'
'like six years passed' is coded as 'Ti3 Qasse6 Zear5 Mik4'
'hence good amount received' is coded as 'Seceive8 Ienc5 Hoo4 Bmoun6'.

36. What is the code for 'last earning was money'?
(a) Xa3 Mas4 None5 Farnin7
(b) None5 Xa3 Mas4 Darnin7
(c) None5 Mas4 Farnin7 Xa3
(d) Mas4 one5 Farnin7 Xa3
(e) None of the above

37. If 'money makes man perfect' is coded as 'Nake5 Qerfec7 Na3 None5, then what is the code for good people always perfect?
(a) Qeopl6 Hoo4 Blway6
(b) Hoo4 Qerfec7 Blway6 Qeopl6
(c) Qeopl6 Hoo4 Qerfec7 Blway6
(d) Qerfec7 Blway6 Qeopl5 Hoo5
(e) None of the above

38. What is the code for 'hence always wrong hance'?
(a) Blway6 Iance5 Xron5 Ienc5
(b) Ianc5 Xron5 Blway5 Ienc5
(c) Ianc5 Xron5 Blway5 Ienc5
(d) Blway6 Ienc5 Ianc5 Xron5
(e) Ianc6 Xron6 Blway5 Ienc5

39. 'Farming' is coded as
(a) Garmin7 (b) Gramin8
(c) Garing8 (d) Earnin7
(e) Earnin8

DIRECTIONS ~ (Q.Nos. 40 and 41) *Study the following information carefully and answer the questions given below.*
In a certain code language
'Given time simple plan is written as
'@E4 & N4 %N5 #E6'
'tired solution plant great' is written as
'#N8 @D5 %T5 & T5'
'sick point good turn' is written as '#K4 % D4@ N4 & @T5'
'garden sister phone team' is written as
'&E5#R6%N6@M4'

40. Which of the following is the code for 'translate' ?
(a) @E8 (b) @E9 (c) #E8 (d) #T8
(e) #T9

41. In the given code language, what does the code '%D4' represent ?
(a) Point (b) Turn
(c) Sick (d) Good
(e) None of these

DIRECTIONS ~ (Q.Nos. 42-44) *Study the following arrangement carefully and answer the questions given below.* † IBPS PO 2018
In a certain code language.
'alarm forest cuddle morning' is written as '%f6 !m7#a5@c6',
'sight fire making criticism' is written '#c9@f4 %s5!m6',
'raising centre recent alarm' is written as '@c6%r6#a5 !r7',
and strike arm ignoring sight is written as '!i8%s5@s6#a3'.

42. What is the code for 'raising'?
(a) !r7 (b) @c6
(c) #a5 (d) %r6
(e) Cannot be determined

43. What is the code for 'fire arm morning'?
(a) @c6 !m6 %s5 (b) #a3 ! i8@c6
(c) @f4 !m7 #a3 (d) !C7@a4#m3
(e) Cannot be determined.

44. What does '@s6 %s5 !m6' stand for?
(a) Ignoring cuddle forest (b) Sight morning arm
(c) Making strike sight (d) Strike raising fire
(e) Cannot be determined

DIRECTIONS ~ (Q.Nos. 45-47) *Study the following information carefully and answer the questions given below.*
In a certain code language
'year puzzle for solve' is written as '–1# ÷10@ + 20@ × 7#'
'with book the comet' is written as '×23#–24@–3# + 6@'
'sky chat across enjoy' is written as '÷ 25# × 21# –23# + 7#'
'tea lucky paint charge' is written as '× 10@ × 14@ + 6@ ÷ 23#'

45. Which of the following is the code for pickle' ?
(a) –16@ (b) ÷16@
(c) +10# (d) @14+
(e) ÷ 10@

46. Which of the following can be coded as '–14@' ?
(a) Look (b) Note
(c) Lie (d) Not
(e) Limca

47. Which of the following word is coded as '+3#'?
(a) Win (b) Wit
(c) Witty (d) Work
(e) Either a or b

DIRECTIONS ~(Q.Nos. 48-52) *Study the information and answer the following questions.*
In a certain code language.
"Seemed peer attend" is coded as "18BV 20BZ 19CW"
"Arrive Assessing file" is coded as "22BZ 19 DZ 12RV"
"Double systems possible" is coded as "19BY 21LY 25CV"

48. What is the code for 'asking' ?
(a) 19ZH (b) 20ZH
(c) 21XH (d) 19HX
(e) 19HZ

49. What is the code for 'Support'?
(a) 22DL (b) 21CL
(c) 21BL (d) 22BL
(e) None of these

50. What is the code for 'peer loom' ?
(a) 15CO 18BC
(b) 15BO 18BV
(c) 15BO 18CV
(d) 18CO 15BV
(e) None of the above

51. What is the code for 'Less' ?
(a) 20BZ (b) 19BV
(c) 21CV (d) 19BZ
(e) None of these

52. What is the code for 'Announced" ?
(a) 21CZ (b) 21ZC
(c) 23BZ (d) 22CZ
(e) None of these

Answers / WITH EXPLANATIONS

1. (*a*) lu ja ka hu ⟶ will you meet us

lu ka hu pa ⟶ will you sold us

∴ It is clear that code for 'meet' is 'ja'.

2. (*b*) 1 5 7 = He is naughty ....(i)

7 2 3 = She is cute ....(ii)

8 2 5 = Cute and naughty ....(iii)

From Eqs. (i), (ii) and (iii),

she = 3

∴ Code for she is '3'.

3. (*c*) pick and choose ⟶ ko ho po ...(i)

pick up and come ⟶ to no ko po ...(ii)

From Eqs. (i) and (ii), we get

pick and ⇒ ko po

∴ pick ⇒ ko or po

4. (*c*) According to the code language,

ki pit lit ⟶ some small houses ...(i)

les ki tim ⟶ some good buildings ...(ii)

tim nis lit ⟶ many small buildings ...(iii)

We have to find out the code for 'houses'.

In Eqs. (i) and (ii), the word 'some' is common.

some → ki

In Eqs. (i) and (iii), the word 'small' is common.

small → lit

From Eq. (i), we conclude that

houses → pit

Hence, option (c) is correct.

5. (*d*) Sue Re Nik ⟶ She is brave ...(i)

Pi Sor Re Nik ⟶ She is always smiling ...(ii)

Sor Re Zhi ⟶ is always cheerful ...(iii)

From Eqs. (i), (ii) and (iii), code for smiling is Pi.

6. (*c*) nik ka pa ⟶ who are you ...(i)

ka na ta da ⟶ you may come here ...(ii)

ho ta sa ⟶ come and go ...(iii)

From Eqs. (i) and (ii), ka ⇒ you

∴ nik ⇒ 'who' or 'are'

7. (*b*) how can you go ⟶ ja da ka pa ...(i)

you come here ⟶ na ka sa ...(ii)

come and go ⟶ ra pa sa ...(iii)

From Eqs. (i) and (ii), you ⇒ ka

From Eqs. (ii) and (iii), come ⇒ sa

∴ here ⇒ na

8. (*b*) la pil ta ⟶ fruit is sweet ...(i)

na sa pil ⟶ flower and fruit ...(ii)

na tee la ⟶ flower is beautiful ...(iii)

∴ 'ta' stands for sweet.

9. (*d*) Given,

7 8 6 ⟶ study very hard ...(i)

9 5 8 ⟶ hard work pays ...(ii)

6 4 5 ⟶ study and work ...(iii)

Here, from Eq. (i), very → 7

10. (*c*)

how old are you ⟶ ko to po ha ...(i)

you are very beautiful ⟶ na po da to ...(ii)

From Eqs. (i) and (ii), we get

you are ⇒ to po

∴ how ⇒ 'ko' or 'ha'

11. (*c*)

no more food ⟶ ta ka da ...(i)

more than that ⟶ sa pa ka ...(ii)

From Eqs. (i) and (ii), we get

more ⇒ ka

∴ that ⇒ 'sa' or 'pa'

12. (*a*)

nik ma de ⟶ he has come ...(i)

de lit pa ⟶ come here fast ...(ii)

ma la se ⟶ she has gone ...(iii)

From Eqs. (i) and (ii), come ⇒ de

From Eqs. (i) and (iii), has ⇒ ma

∴ he ⇒ nik

13. (*c*)

monday is a holiday ⟶ sa da pa na ...(i)

they enjoy a holiday ⟶ da na ta ka ...(ii)

From Eqs.(i) and (ii), we get

a holiday ⇒ da na

∴ monday ⇒ 'sa' or 'pa'

Solutions (Q.Nos. 14 and 15) According to the given information.

good key friends ⟶ xo pe cm

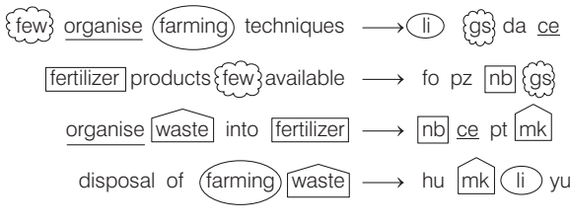
key law found ⟶ xo og bt

data key good ⟶ tu xo pe

14. (*b*) The code for 'good' is 'pe'.

15. (*d*) 'og' is the code for either 'law' or 'found'.

Solutions (Q. Nos. 16-20) According to the given information, we have to find the possible code for a particular word



16. (*a*) The code for 'few waste' will be 'mk gs'.

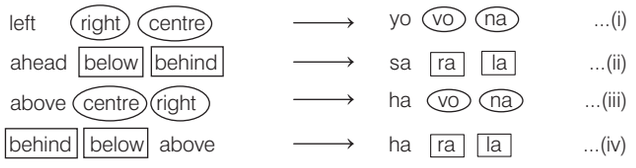
17. (*b*) The code for 'organise' is 'ce'.

18. (*c*) 'yu' stands for either 'of' or 'disposal'.

19. (*c*) As, 'waste management techniques' is coded as 'ax da mk', then 'farming fertilizer management' will be coded as 'nb li ax'.

20. (*a*) The code for 'available' is either 'pz' or 'fo'.

Solutions (Q. Nos. 21-25) On the basis of given information,



21. (*c*) left → yo

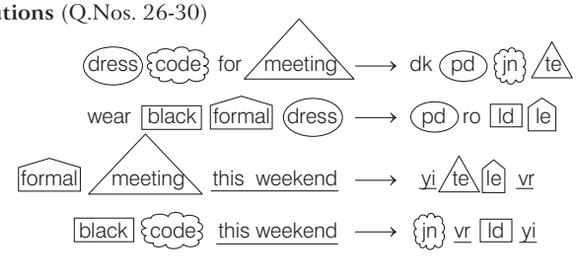
22. (*d*) behind → ra/la

23. (*a*) ahead → sa

24. (*d*) ha → above

25. (*e*) centre → vo/na

Solutions (Q.Nos. 26-30)



26. (*b*) 'le' stands for 'formal'.

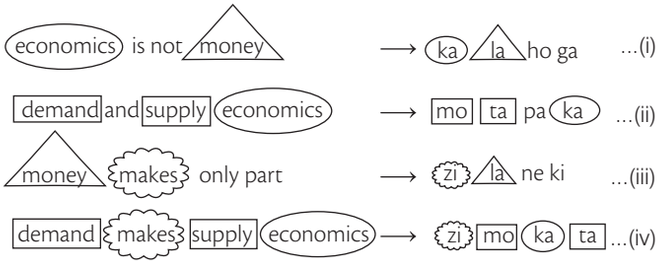
27. (*d*) The code for 'dress' is 'pd'.

28. (*d*) 'ld' stand for 'black'.

29. (*d*) ∵ code → jn ∴ security code → jn ux

30. (*a*) The code for weekend is 'yi or vr'.

Solutions (Q. Nos. 31-35) On the basis of given information,



From Eqs. (i), (ii) and (iv), economics ⇒ ka

From Eqs. (i) and (iii), money ⇒ la

From Eqs. (iii) and (iv), makes ⇒ zi

From Eqs. (ii) and (iv), demand ⇒ mo/ta

supply ⇒ mo/ta

From Eq. (i), is ⇒ ho/ga

not ⇒ ho/ga

From Eq. (ii), and ⇒ pa

From Eq (iii), only ⇒ ne/ki

part ⇒ ne/ki

31. (*e*) It is clear that money ⇒ la

32. (*e*) According to the question,
code for supply ⇒ 'mo' or 'ta'

33. (*a*) According to the question,
demand ⇒ mo/ta, only ⇒ ne/ki
So, according to option (a) code for 'more' will be xi.
Hence, demand only more ⇒ xi ne mo

34. (*b*) According to the question,
and ⇒ pa
money ⇒ la
In option (a) third code is 'ga', which is either for 'is' or 'not'. So, it is incorrect.
In opiton (b) third code is 'lu', which is not for any other word in question.
So, 'lu' is for 'work'.
Hence, the possible code for 'work and money' will be 'pa la lu'.

35. (*d*) The code for makes is zi.

Solutions (Q.Nos. 36-39) According to the given information,
work for earning money → Go3 None5 Xor4 Farnin7 ...(i)
like six years passed → Ti3 Qasse6 Zear5 Mik4 ...(ii)
hence good amount received →
Seceive8 Ienc5 Hoo4 Bmoun6 ...(iii)

36. (*c*) From Eq. (i) and option (c),
earning money → None5 Farnin7
∴ Last earning was money → None5 Mas4 Farnin7 Xa3

37. (*b*) Money makes man perfect → Nake6 Qerfec7 Na3 None5
Now, from Eq. (iii); good → Hoo4
∴ good people always perfect → Hoo4 Qerfec7 Blway6 Qeopl6

38. (*d*) From Eq. (iii)
hence → Ienc5
always → Blway6
∴ hence always wrong hance → Blway6 Ienc5 Ianc5 Xron5

39. (*a*) Farming → Garmin7

Solutions (Q. Nos. 40 and 41) Here, symbols are coded as per the first letter of the word.
As for 'g' symbol is %.
Similarly 'p' → &, 't' →@ and 's' → #
The number in the code represents the number of letters in the word and the letter in the code represents the last letter of the word. e.g. In the word ''Given'' g = %, last letter = N and number of letters = 5
∴ Given = % N 5

40. (*b*) Code for translate → @E9

41. (*d*) % → g. So, from the options %D4 → Good

Solutions (Q. Nos. 42-44) # for last letter m, % for last letter t, @ for last letter e, and ! for last letter g. Number represents number of alphabets in word and alphabet represents the first letter of word.

42. (*a*) The code for 'raising' is '!r7'

43. (*c*) The code for 'fire arm morning' is '@f4 !m7 #a3'.

44. (*c*) '@s6 %s5 !m6' stands for 'making strike sight'.

Solutions (Q. Nos. 45-47) In this code language, we have to find the exact code used for the words.

Step 1 The initial symbol used are the four mathematical operators. The words have three, four, five and six alphabets. In Statement IV, 2 five letter words are used and '×' is used twice in the symbols. Therefore, five letter word is started with '×'.
Using same logic on other statements, we get the symbols for words as below.

Number of letters in the word	Symbol
3	+
4	–
5	×
6	÷

Step 2 From the first step, tea would be +6@. Now, T is 7th letter from the end in the English dictionary and is coded as (7 – 1 = 6).

Step 3 In Statement III, the numeral symbols are 7, 23, 25 and 21 which are odd. All the symbols finish with #. Therefore, # is used for odd number while @ is used for even number numeral. For e.g. Tea = = +6@

45. (*e*) Pickle = ÷(11 – 1) = ÷10@

46. (*a*) –14@ = *a* four letter word starting from 'L'. Thus, Look is the correct option.

47. (*e*) According to the code '+3#' the words starts with W and is a three letter word. So, 'Win' or 'Wit' could be the word.

Solutions (Q. Nos. 48-52) **For the digit of the code** Number in the code will be the place value of the highest place value of letter present in the word.

e.g. peer = 18

For the first letter of the code

Case I If the given word has some repeated letters, then the code will be according to the given order.

Number of repeated letter in the word	Code
2	B
3	C
4	D

For e.g. peer in this word repeated letter is 'e' for two times. So the first letter of code for peer is 'B' ?

Case II If the given word has no repeated letter, then first letter of the code will be coded as opposite letter of the second letter of the word.

e.g. File = R
opposite

For the last letter of the code The opposite letter of the smallest place value letter present in the word according to the English alphabet.

e.g. peer = V
opposite
Smaller

48. (*e*) asking = 19HZ

49. (*c*) support = 21BL

50. (*b*) Peer Loom = 18BV 15BO ⇒ 15BO 18BV

51. (*b*) Less = 19 BV

52. (*a*) Announced = 21 CZ

TYPE 06

Coding by Comparison

Under this pattern, some words are given in one column and their codes are given in another column. But the given codes are not in the same order of words given. Candidates are required to find out the codes of words on the basis of comparison of their properties, traits etc.

Ex 37 In the given table, some words are given in Column I and their codes are given in Column II. The code of the words given in Column II are not given in the order of given words. Find the corresponding codes of words and answer the following question.

Column I	Column II
BAT	dead
WIFE	dip
GREAT	sector
NATURE	training
TERMINAL	right

Find the code for the word 'GREAT'.

(a) dip
(b) dead
(c) right
(d) sector

Solution (c) As in Column I 'GREAT' is the only word having five letters and in Column II 'right' is the only word having five letters. Therefore, code for 'GREAT' is 'right'.

Practice CORNER 4.6

DIRECTIONS ~(Q. Nos. 1-5) *Read the following information to answer the questions that follow, In Column I, some words are given. In Column II, their codes are given and they are arranged in the same order in which they are in Column I but the letters in the code in Column II are not in the same order in which the letters of the words are given in Column I. Study the columns and give your answer on the basis of that.* ┬ Delhi Police (Constable) 2010

Column I	Column II
(i) F L O U R	(A) x n c a p
(ii) T A P	(B) k s d
(iii) R O S E	(C) c m r n
(iv) L O T U S	(D) s m c p x
(v) S A I L	(E) k p t m

1. Find the code for F.
(a) p (b) c (c) a (d) x

2. Which letter is the code for P?
(a) k (b) s (c) c (d) d

3. Find the code for L.
(a) n (b) c (c) k (d) p

4. What is the code for E?
(a) c (b) m (c) r (d) n

5. Which of the following options is the code for O?
(a) x (b) c (c) m (d) r

DIRECTIONS ~(Q. Nos. 6-10) *Read the following information to answer the questions that follow. In the following questions, two Columns* I *and* II *have been given. In Column* I, *few words are given and in Column* II, *their codes have been given using a particular rule. The order of the smaller letter have been placed in jumbled up form. You have to decode the language and choose the alternative which is equal to the letter asked in the question.*

Column I	Column II
(i) DESIGN	(A) uklbjz
(ii) INFORM	(B) cbxkqy
(iii) MOTHER	(C) ygzwxc
(iv) RIGHTS	(D) bjucgw
(v) TAILOR	(E) wcpybv
(vi) GARDEN	(F) vzcjlk

6. What is the code for the letter N?
(a) u (b) k (c) c (d) g

7. What is the code for the letter F?
(a) i (b) b (c) q (d) g

8. What is the code for the letter O?
(a) y (b) k (c) v (d) c

9. What is the code for the letter S?
(a) z (b) w (c) u (d) x

10. What is the code for the letter G?
(a) i (b) p (c) b (d) j

DIRECTIONS ~(Q. Nos. 11-18) *Read the following information to answer the questions that follow. According to a code language, words in capital letters in Column* I *are written in small letters in Column* II. *The letters in Column* II *are jumbled up. Decode the language and choose the correct code for the word given in each question.*

Column I		Column II	
(i)	CROWDY	(A)	blooppv
(ii)	CRONY	(B)	jkgotv
(iii)	NET	(C)	ijktv
(iv)	CRUX	(D)	ikmop
(v)	ADDRESS	(E)	cjmv
(vi)	SOUND	(F)	abi

11. Find the code for 'TRUE'.
(a) mvba (b) vbam (c) avmb (d) ambv

12. What is the code for 'NATURE'?
(a) ilamvb (b) ilambv (c) ilmabv (d) limabv

13. Find the code for 'SECTOR'.
(a) bpajkv (b) pbjakv (c) pbjavk (d) bpjakv

14. The code for 'TRUCE' is
(a) avmjb (b) avmbj
(c) avjmb (d) vajmb

15. Which one of the following options is the code for 'DOCTOR'?
(a) jkoavk (b) okjavk (c) kojatrv (d) okjakv

16. Find the code for 'WOOD'.
(a) kogk (b) gkko
(c) gokk (d) kgok

17. Which of the following options stands for 'TODAY'?
(a) altko (b) aoktl
(c) akotl (d) akolt

18. ... stands for 'ROSE'.
(a) vkpb (b) bpkv
(c) kpvb (d) vkbp

Answers WITH EXPLANATIONS

Solutions (Q. Nos. 1-5)

Given that, FLOUR = xncap ...(i)

TAP = ksd ...(ii)

ROSE = cmrn ...(iii)

LOTUS = smcpx ...(iv)

SAIL = kptm ...(v)

From Eqs. (ii) and (v),

T (A) P = (k) s d
S (A) I L = (k) p t m

∴ A = k

From Eqs. (ii) and (iv),

(T) A P = k (s) d
L O (T) U S = (s) m c p x

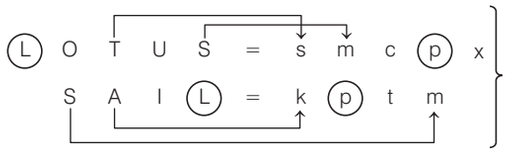
∴ T = s ⇒ P = d

From Eqs. (iii) and (v),

R O (S) E = c (m) r n
(S) A I L = k p t (m)

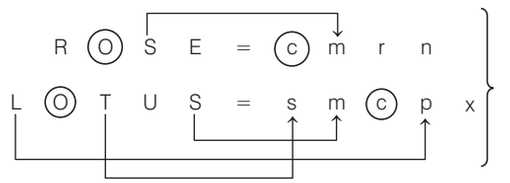
∴ S = m

From Eqs. (iv) and (v),



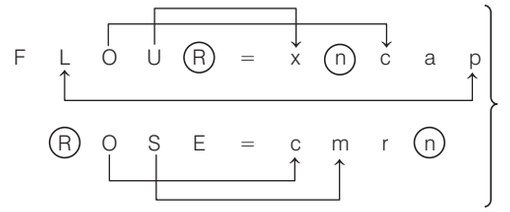
∴ L = P ⇒ I = t

From Eqs. (iii) and (iv),



∴ O = c, U = x

From Eqs. (i) and (iii),



∴ R = n, E = r, F = a

Now, as per the given information, code of each letter is as below

1. (*c*) Clearly, the code for F is a.

2. (*d*) Clearly, the code for P is d.

3. (*d*) Clearly, the code for L is p.

4. (*c*) Clearly, the code for E is r.

5. (*b*) Clearly, the code for O is c.

6. (*b*) In Statements (i) and (ii), common letters are I and N and common codes are b and k. Therefore, it is clear that IN stands for bk but not necessarily in the same order. From Statement (vi), it is clear that the word has letter N and code k is given for it. Hence, code for N is k.

7. (*c*) In the Statement (ii), it is clear that the word has letter F in it, which is not contained by any other word. Similarly, its code has letter q, which is not contained by any other code. Hence, F stands for q.

8. (*a*) From Statements (iii) and (v), it is clear that TOR = ywc. From Statement (ii), OR = yc. From Statement (vi), R = c. Hence, O = y.

9. (*c*) From Statements (i) and (iv), it is clear that SIG = ubj. From Statement (i), we have already found that I= b. Therefore, SG = uj. Now, from Statement (vi), G = j, therefore S = u.

10. (*d*) We have already found in sol.10 that G = j

Solutions (Q. Nos. 11-18)

The only 3 letter word = NET. So, its code = abi

The only 4 letter word = CRUX. So, its code = cjmv

The only 6 letter word = CROWDY. So, its code = jkgotv

The only 7 letter word = ADDRESS. So, its code = blooppv

The two five letter words are SOUND and CRONY and two codes for five letter words are ikmop and ijktv. CRONY has two common letters C and R with CRUX and the letters j and v in the code for CRUX are common with the code ijktv.

Hence, code for CRONY = ijktv

and code for SOUND = ikmop

After rearranging words and codes, we have

NET = abi ...(i)

CRUX = cjmv ...(ii)

CRONY = ijktv ...(iii)

SOUND = ikmop ...(iv)

CROWDY = jkgotv ...(v)

ADDRESS = blooppv ...(vi)

From Eqs. (i) and (iii),

(N) E T = a b (i)
C R O (N) Y = (i) j k t v ∴ N = i

From Eqs.(i) and (vi),

N (E) T = a (b) i
A D D R (E) S S = (b) l o o p p v E = b, T = a

(∴N = i in NET)

From Eqs. (ii) and (vi),

C (R) U X = c j m (v)
A D D (R) E S S = b l o o p p (v) ∴ R = v

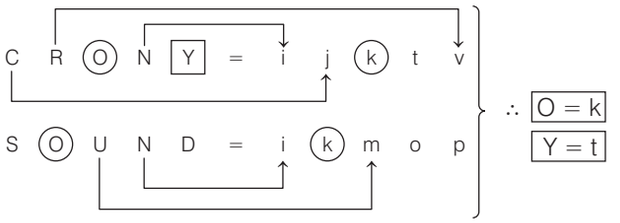
From Eqs. (ii) and (iii),

(C) R U X = c (j) m v
(C) R O N Y = i (j) k t v ∴ C = j

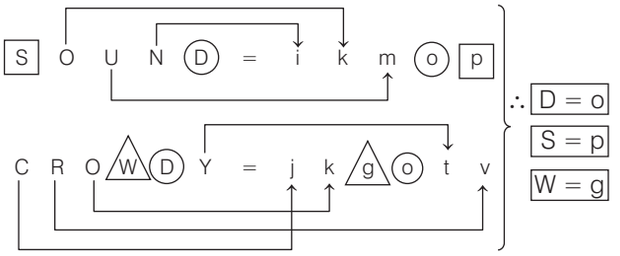
From Eqs. (ii) and (iv),

C R (U) X = c j (m) v
S O (U) N D = i k (m) o p ∴ U = m, X = c

From Eqs. (iii) and (iv),



From Eqs. (iv) and (v),

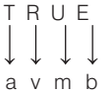


From Eq. (vi),

Now, as per the given information, code of each letter is as below

Letter	A	C	D	E	N	O	R	S	T	U	W	X	Y
Code	l	j	o	b	i	k	v	p	a	m	g	c	t

11. (*c*) We have,

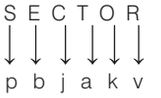


∴ TRUE ⇒ avmb

12. (*a*) We have,

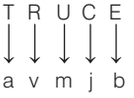
∴ NATURE ⇒ ilamvb

13. (*b*) We have,



∴ SECTOR ⇒ pbjakv

14. (*a*) We have,

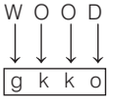


∴ TRUCE ⇒ avmjb

15. (*d*) We have,

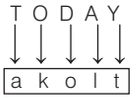
∴ DOCTOR ⇒ okjakv

16. (*b*) We have,



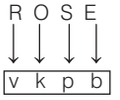
∴ WOOD ⇒ gkko

17. (*d*) We have,



∴ TODAY ⇒ akolt

18. (*a*) We have,



∴ ROSE ⇒ vkpb

TYPE 7

Conditional Coding

Under this pattern, letters/numbers are given and their codes are given right under them. Candidates are required to find out code for a particular letter group/word/number according to the given conditions.

***Ex* 38** In the question below, is given a group of letters followed by four combinations of digits/symbols. 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 your answer accordingly.

Letter	M	J	R	A	D	B	W	Z	P	E	I	H	G	U	K
Digits/Symbol code	8	4	@	9	c	1	2	$	3	#	5	6	%	7	★

Conditions

(i) If both first and 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.

Find the code for 'IBHJRE'.

(a) #614@5 (b) 5164@% (c) %164@# (d) #164@5

Solution (d) When condition is not applied, the coding is done as follows.

But here the 1st letter (I) and the last letter (E) are vowels and therefore condition (i) is applied here. As condition (i) is applied here, I and E will interchange their codes.

∴ Code for IBHJRE ⇒ #164@5

***Ex* 39** In the question below, is given a group of numbers followed by four combinations of letters/symbols. You have to find out which of the combinations correctly represents the group of numbers based on the following coding system and the conditions that follow and mark your answer accordingly.

Digit	3	8	0	7	4	6	9	2	5	1
Code	H	$	R	A	M	%	L	K	E	@

Conditions

(i) If a number begins and ends with a non-zero odd digit, then the first and the last digits are to be coded as Y and #, respectively.

(ii) If a number begins and ends with an even digit (including zero), then the first and the last digits are to be coded as B and X, respectively.

What will be the code for 764981?

(a) A % M L $ @
(b) Y % M L $ @
(c) Y % M L $ #
(d) A % M L $ #

Solution (c) When condition is not applied, the coding is done as follows

7	6	4	9	8	1
↓	↓	↓	↓	↓	↓
A	%	M	L	$	@

But here the number begins and ends with a non-zero odd digit and therefore, condition (i) is applied here. As condition (i) is applied here, 7 and 1 will be coded as Y and #, respectively.

7	6	4	9	8	1
↓	↓	↓	↓	↓	↓
Y	%	M	L	$	#

∴ Code for 764981 ⇒ Y%ML$#

Practice /CORNER 4.7

DIRECTIONS ~(Q. Nos. 1-6) *In each question below, is given a group of letters followed by four combinations of digits/symbols numbered (a), (b), (c) and (d). You have to find out which of the four 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 (e), i.e., 'None of these', as your answer.*

† Indian Bank (PO) 2010

Letter	R	E	A	U	M	D	F	P	Q	I	O	H	N	W	Z	B
Digit/Symbol code	7	#	$	6	%	8	5	★	4	9	@	©	3	d	1	2

(i) If the first letter is a consonant and the third letter is a vowel, their codes are to be interchanged.

(ii) If the first letter is a vowel and the fourth letter is a consonant, both are to be coded as the code for the vowel.

(iii) If the second and the third letters are consonants, both are to be coded as the code for the third letter.

1. NABAQE
(a) 263$4# (b) 326$4# (c) 362$4# (d) 362$3#
(e) None of these

2. FWZERA
(a) 5d #7$ (b) 5dd #7$ (c) d17#$ (d) 511 #7$
(e) None of these

3. HUBDIN
(a) © 62893 (b) © 2689%
(c) © 6289© (d) © 62© 9%
(e) None of these

4. EMIRDP
(a) #%978★ (b) #%9#8★
(c) 7%9#8★ (d) #9%78★
(e) None of these

5. OREDHM
(a) @7#8© % (b) #7#8© %
(c) @78#© % (d) @7#@© %
(e) None of these

6. PQIMHZ
(a) ★49%©1 (b) %49★©1 (c) ★49★©1 (d) 949%©1
(e) None of these

DIRECTIONS ~ (Q. Nos. 7-11) *In each of the questions below, a group of numerals is given followed by four groups of symbol / letter combinations labelled (a), (b), (c) and (d). Numerals are to be coded as per the codes and conditions given below. You have to find out which of the combinations (a), (b), (c) and (d) is correct and indicate your answer accordingly. If none of the four combinations represents the correct code, mark (e) as your answer.*

Numerals	3	5	7	4	2	6	8	1	0	9
Letter/Symbol code	★	B	E	A	@	F	K	%	R	M

(i) If the first digit, as well as the last digit is odd, both are to be coded as 'X'.

(ii) If the first digit as well as the last digit is even, both are to be coded as $.

(iii) If the last digit is 0, it is to be coded as #.

7. 546839
(a) XAFK★M (b) BAFK★M
(c) XAFK★X (d) BAFK★X
(e) None of these

8. 713540
(a) E%★BA# (b) X%★BA#
(c) X%★BAR (d) E%★BAR
(e) None of these

9. 765082
(a) XFBRK@ (b) EFB#K@ (c) EFBR#K (d) EFBRK@
(e) None of these

10. 487692
(a) AKEFM@ (b) $KEFM@ (c) AKEFM$ (d) $KEFM$
(e) None of these

11. 364819
(a) XFAK@M (b) ★FAK%X (c) ★FAK%M (d) ★EAK%X
(e) None of these

DIRECTIONS ~ (Q. Nos. 12-16) *In each question below, is given a group of letters followed by four combinations of digits/symbols numbered (a), (b), (c) and (d). You have to find out which of the four 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 (e), i.e., 'None of these', as your answer.* ⊤ Allahabad Bank (PO) 2010

Letter	W	P	J	Q	E	T	I	A	U	F	D	B	V	M	H
Digit/Symbol code	5	6	9	1	2	3	@	4	©	8	%	★	7	#	$

(i) If the first letter is a consonant and the fourth letter is a vowel, both are to be coded as the codes for the vowel.
(ii) If the second letter is a vowel and the last letter is a consonant, both are to be coded as 8.
(iii) If both the first and the last letter are consonants, both their codes are to be interchanged.

12. MBUVWE
(a) #★©#52 (b) 7★©#52 (c) #©★752 (d) #©★7528
(e) None of these

13. AJBMFU
(a) 49★48© (b) #9★#8© (c) 49★#8© (d) ©9©#84
(e) None of these

14. AEIMVH
(a) 42@#7$ (b) 42@47$ (c) #2@47$ (d) 48@#78
(e) None of these

15. THAFIQ
(a) 3$48@3 (b) 1$48@3 (c) 1$48@1 (d) 3$48@1
(e) None of these

16. WMEIJU
(a) @#2@9© (b) 5#2@9© (c) @#259© (d) 5#259©
(e) None of these

DIRECTIONS ~ (Q. Nos. 17-19) *In each of the questions below, a group of numerals is given followed by four groups of symbol / letter combinations labelled (a), (b), (c) and (d). Numerals are to be coded as per the codes and conditions given below. You have to find out which of the combinations (a), (b), (c) and (d) is correct and indicate your answer accordingly. If none of the four combinations represents the correct code, mark (e) as your answer.*

Digit	7	3	5	0	2	1	6	4	9	8
Code	N	H	L	T	F	D	R	Q	G	P

(i) If the first digit is even and the last digit is odd, they are to be coded as $ and @, respectively.
(ii) If the first digit is odd and the last digit is even, they are to be coded as # and £, respectively.
(iii) If 0 is preceded as well as followed by an odd digit, then 0 is to be coded as ↑.
(iv) If 0 is preceded as well as followed by an even digit, then 0 is to be coded as ↓.
(v) 0 is not considered as either even or odd.

17. What will be the code for 36250098?
(a) $RFLTTG£ (b) #RFLTTG@ (c) #RFLTTG£
(d) $RFLTTG@ (e) None of these

18. $QRL↑H@ could be the code for which of the following numbers?
(a) 8465032 (b) 8456037 (c) 8465034 (d) 6475031
(e) None of these

19. QLP↓RNT is the code for which of the following numbers?
(a) 6580470 (b) 4780650
(c) 6580470 (d) Data inadequate
(e) None of these

DIRECTIONS ~ (Q. Nos. 20-25) *In each question below, is given a group of letters followed by four combinations of digits/symbols numbered (a), (b), (c) and (d). You have to find out which of the four 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 (e), i.e., 'None of these', as your answer.*
⊤ Punjab & Sindh Bank (PO) 2010

Letter	B	A	D	E	F	H	J	K	M	I	U	O	W	F	P
Digit/Symbol code	6	$	7	8	#	1	2	★	%	3	Ⓒ	4	9	@	5

(i) If the first letter is a vowel and the last letter is a consonant, their codes are to be interchanged.
(ii) If both the first and the last letters are consonants, both are to be coded as 'δ'.
(iii) 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.

20. EKFUDH
(a) 8★#©78 (b) 1★#©78 (c) δ★#©78 (d) 1★#©71
(e) None of these

21. JMEIUD
(a) δ%83©δ (b) 2%83©2 (c) 7%83©7 (d) 2%83©7
(e) None of these

22. PEJDWU
(a) 58279© (b) δ8279δ (c) ©8279© (d) 582795
(e) None of these

23. DMEAKJ
(a) 7%8$★2 (b) 2%8$★7 (c) 7%8$★7 (d) δ%8$★δ
(e) None of these

24. IBHWPO
(a) 361954 (b) 461953 (c) 361953 (d) 461954
(e) None of these

25. UKPDMI
(a) ©5★7%3 (b) δ★57%δ (c) 3★57%© (d) ©★5%73
(e) None of these

DIRECTIONS ~ (Q. Nos. 26-30) *In each of the following questions below is given a group of letters followed by four combinations of digits/symbols numbered (a), (b), (c) and (d). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and mark the number of that combination as the answer. If none of the four combinations correctly represents the group of letters, mark (e), i.e. 'None of these', as the answer.* ⊤ IBPS Clerk Main 2018

Note *More than one condition may apply.*

Letter	R	G	F	A	P	Q	U	M	E	I	B	J	S	O	L
Digit/Symbol	#	2	7	µ	%	3	&	9	1	@	5	©	6	8	$

Conditions

(i) If first letter is vowel and last letter is consonant, then both are coded with the code of the consonant.
(ii) If both the 2nd and the last letter is vowel, then their codes are to be interchanged.
(iii) If the second letter is a consonant and the 2nd last letter is a vowel, both are to be coded as the code for the vowel.
(iv) If both 1st and fifth letter is consonant, then both are coded as the code of third letter.
(v) If only one condition is applied among the above given, then the code of first letter is interchanged with code of second letter and third letter code interchanged with 4th letter and so on after that applied condition.

26. AMGFIS
(a) 6@27@4 (b) 6@27@6 (c) 6@27#6 (d) 6@2@76
(e) None of these

27. PUGRLE
(a) 2122#& (b) 221#2& (c) 212#&2 (d) 212#2&
(e) None of these

28. UAIMUI
(a) @&9@µ& (b) @&@9µ& (c) @9&@µ& (d) @&99µ&
(e) None of these

29. MJGLBF
(a) ©2$227 (b) ©$2272 (c) ©$2227 (d) ©$2$2
(e) None of these

30. GFPQMB
(a) %7%3%5 (b) 27%395 (c) 7%3%5% (d) %7%395
(e) None of these

Answers / WITH EXPLANATIONS

1. (*e*) Here, none of the conditions is applied, so the coding is done as follows.

N	A	B	A	Q	E
↓	↓	↓	↓	↓	↓
3	$	2	$	4	#

∴ Code for NABAQE ⇒ 3$2$4#

2. (*d*) When no conditions is applied, the coding is done as follows.

F	W	Z	E	R	A
↓	↓	↓	↓	↓	↓
5	d	1	#	7	$

But here the second and third letters are consonants, therefore condition (iii) is applied here. As condition (iii) is applied here, both the second and third letters are to be coded as the code for the third letter.

F	W	Z	E	R	A
↓	↓	↓	↓	↓	↓
5	1	1	#	7	$

∴ Code for FWZERA ⇒ 511#7$

3. (*a*) Here, none of the conditions is applied, so the coding is done as follows.

H	U	B	D	I	N
↓	↓	↓	↓	↓	↓
©	6	2	8	9	3

∴ Code for HUBDIN ⇒ ©62893

4. (*b*) When no conditions is applied, the coding is done as follows.

E	M	I	R	D	P
↓	↓	↓	↓	↓	↓
#	%	9	7	8	★

But here the first letter is a vowel and the fourth letter is a consonant, therefore condition (ii) is applied.

As condition (ii) is applied here, both the first and the fourth letters are to be coded as the code for the vowel.

E	M	I	R	D	P
↓	↓	↓	↓	↓	↓
#	%	9	#	8	★

∴ Code for EMIRDP ⇒ #%9#8★

5. (*d*) When no condition is applied, the coding is done as follows.

O	R	E	D	H	M
↓	↓	↓	↓	↓	↓
@	7	#	8	©	%

But here the first letter is a vowel and the fourth letter is a consonant, therefore condition (ii) is applied. As condition (ii) is applied here, both the first and fourth letters are to be coded as the code for the vowel.

O	R	E	D	H	M
↓	↓	↓	↓	↓	↓
@	7	#	@	©	%

∴ Code for OREDHM ⇒ @7#@©%

6. (*e*) When no condition is applied, coding is done as follows.

P	Q	I	M	H	Z
↓	↓	↓	↓	↓	↓
★	4	9	%	©	1

But here the first letter is a consonant and the third letter is a vowel, therefore condition (i) is applied. As condition (i) is applied here, the codes for first and third letters are to be interchanged.

P	Q	I	M	H	Z
↓	↓	↓	↓	↓	↓
9	4	★	%	©	1

∴ Code for PQIMHZ ⇒ 94★%©1

7. (*c*) When condition is not applied, the coding is done as follows.

5	4	6	8	3	9
↓	↓	↓	↓	↓	↓
B	A	F	K	★	M

But here the first and the last digits are odd, therefore condition (i) is applied here. As condition (i) is applied here, 5 and 9 will be coded as X.

5	4	6	8	3	9
↓	↓	↓	↓	↓	↓
X	A	F	K	★	X

∴ Code for 546839 ⇒ XAFK★X

8. (*a*) When condition is not applied, the coding is done as follows.

7	1	3	5	4	0
↓	↓	↓	↓	↓	↓
E	%	★	B	A	R

But here the last digit is 0, therefore condition (iii) is applied here. As condition (iii) is applied here, 0 will be coded as #

7	1	3	5	4	0
↓	↓	↓	↓	↓	↓
E	%	★	B	A	#

∴ Code for 713540 ⇒ E%★BA#

9. (*d*) Here, none of the conditions is applied, so the coding will be done as follows.

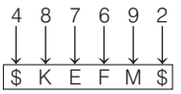
7	6	5	0	8	2
↓	↓	↓	↓	↓	↓
E	F	B	R	K	@

∴ Code for 765082 ⇒ EFBRK@

10. (*d*) When condition is not applied, the coding is done as follows.

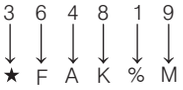
4	8	7	6	9	2
↓	↓	↓	↓	↓	↓
A	K	E	F	M	@

But here the first and the last digits are even, therefore condition (ii) is applied here. As condition (ii) is applied here, 4 and 2 will be coded as $.

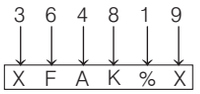


∴ Code for 487692 ⇒ $KEFM$

11. (*e*) When condition is not applied, the coding is done as follows.

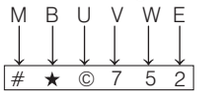


But here the first and the last digits are odd, therefore condition (i) is applied here. As condition (i) is applied here, 3 and 9 will be coded as X.



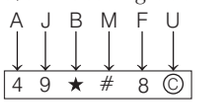
∴ Code for 364819 ⇒ XFAK%X

12. (*e*) Here, none of the conditions is applied, so the coding is done as follows.



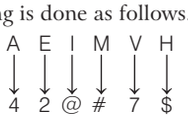
∴ Code for MBUVWE ⇒ #★©752

13. (*c*) Here, none of the conditions is applied, so the coding is done as follows.



∴ Code for AJBMFU ⇒ 49★#8©

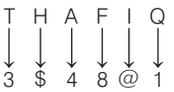
14. (*d*) When condition is not applied, the coding is done as follows.



But here the second letter is a vowel and the last letter is a consonant, therefore condition (ii) is applied here. As condition (ii) is applied here, both the second and the last letters are to be coded as 8.

∴ Code for AEIMVH ⇒ 48@#78

15. (*b*) When condition is not applied, the coding is done as follows.

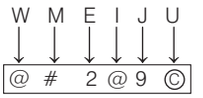


But here both the first and the last letters are consonants, therefore condition (iii) is applied here. As condition (iii) as applied here, the codes for the first and the last letters are interchanged.

∴ Code for THAFIQ ⇒ 1$48@3

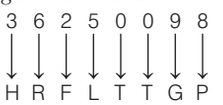
16. (*a*) When condition is not applied, the coding is done as follows.

But here the first letter is a consonant and the fourth letter is a vowel, therefore condition (i) is applied here. As condition (i) is applied here, both the first and the fourth letters are to be coded as the codes for the vowel.

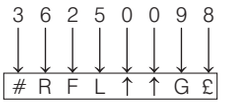


∴ Code for WMEIJU ⇒ @#2@9©

17. (*c*) When condition is not applied, the coding is done as follows.



But here the first digit is odd and the last digit is even, therefore condition (ii) is applied here. As condition (ii) is applied here, 3 is coded as # and 8 is codest as £ ↑ is code for 0.



∴ Code for 36250098 ⇒ #RFL↑↑G£

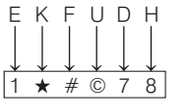
18. (*e*) Q, R, L, H are the codes for 4, 6, 5, 3 respectively. ↑ is the code for 0.

So, $QRL↑H@ shall be the code of a number of the form ?46503?, in which the first digit must be even and the last digit must be odd. Clearly, there is no such number in the given alternatives.

19. (*e*) Q, L, P, ↓, R, N and T are the codes for 4, 5, 8, 0, 6, 7 and 0 respectively. So, the required number is 4580670.

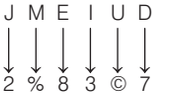
20. (*b*) When condition is not applied, the coding is done as follows.

But here the first letter is a vowel and the last letter is a consonant, therefore, condition (i) is applied here. As condition (i) is applied here, the codes for the first and the last letters are interchanged.

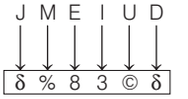


∴ Code for EKFUDH ⇒ 1★#©78

21. (*a*) When condition is not applied, the coding is done as follows.

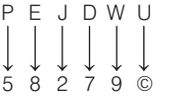


But here both the first and the last letters are consonants, therefore condition (ii) is applied here. As condition (ii) is applied here, both the first and the last letters are to be coded as δ.

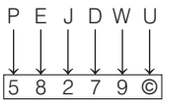


∴ Code for JMEIUD ⇒ δ%83©δ

22. (*c*) When condition is not applied, the coding is done as follows.

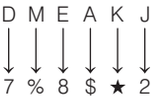


But here the first letter is a consonant and the last letter is a vowel, therefore condition (iii) is applied here. As condition (iii) is applied here, both the first and the last letters are to be coded as the code for the vowel.

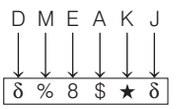


∴ Code for PEJDWU ⇒ ©8279©

23. (*d*) When condition is not applied, the coding is done as follows.

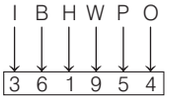


But here both the first and the last letters are consonants, therefore condition (ii) is applied here. As condition (ii) is applied here, both the first and the last letters are to be coded as δ.



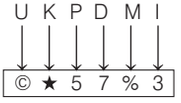
∴ Code for DMEAKJ ⇒ δ%8$★δ

24. (*a*) Here, none of the conditions is applied, so the coding is done as follows.



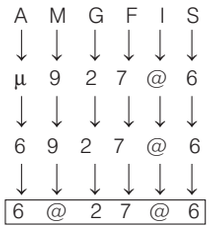
∴ Code for IBHWPO ⇒ 361954

25. (*e*) Here, none of the condition is applied, so the coding is done as follows.



∴ Code for UKPDMI ⇒ ©★57%3

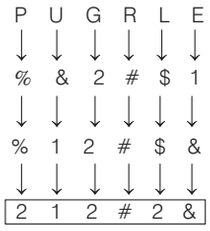
26. (*b*)



[from condition (i)]

[from condition (iii)]

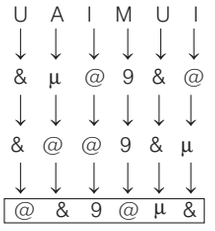
27. (*d*)



[from condition (ii)]

[from condition (iv)]

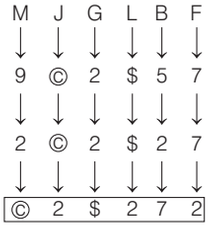
28. (*a*)



[from condition (ii)]

[from condition (v)]

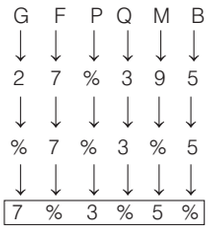
29. (*e*)



[from condition (iv)]

[from condition (v)]

30. (*c*)



[from condition (iv)]

[from condition (v)]