

MEET THE

4
FANTASTIC FOUR



CA FOUNDATION BATCH LAUNCH FOR JUNE 2024



Series

Series Classified into Two Types, Namely

- A. Number Series**
- B. Alphabet Series**

Number Series

Case 1: Missing terms of the series

- **In these type the questions we have to identify the missing term of the series according to a specific pattern of the series rule to form its code. The students are required to detect the missing number of the series and answer the questions accordingly.**

Example: Find the missing term of the series 2, 7, 16, _____ 46, 67, 92.

Example: Find the wrong terms of the series 9, 29, 65, 126, 217, 344

Example: Find the missing term of the series 1, 9, 25, 49, 81, 121,

EXERCISE 9(A)

Que. 1) 6, 11, 21, 36, 56, ?

(a) 42

(b) 51

(c) 81

(d) 91

Que.2) 10, 100, 200, 310, ?

(a) 400

(b) 410

(c) 420

(d) 430

Que.3) 11, 13, 17, 19, 23, 25, 29, ?

(a) 33

(b) 27

(c) 31

(d) 49

Que.4) 6, 12, 21, 33, ?

(a) 33

(b) 38

(c) 40

(d) 48

Que.5) 2, 5, 9, 14, ?, 27

(a) 20

(b) 16

(c) 18

(d) 24

Que.6) 6, 11, 21, ?, 56, 81

(a) 42

(b) 36

(c) 91

(d) 51

Que7). 10, 18, 28, 40, 54, ?, 88

(a) 70

(b) 86

(c) 87

(d) 98

Que.8) 120, 99, ?, 63, 48, 35

(a) 80

(b) 36

(c) 45

(d) 40

Que.9) 22, 24, 28, 36, ?, 84

(a) 44

(b) 52

(c) 38

(d) 54

Que.10) 4832, 5840, 6848, 7856, ?

(a) 8864

(b) 8815

(c) 8846

(d) 8887

Que.11) 10, 100, 200, 310, 430, ?

(a) 560

(b) 540

(c) 550

(d) 590

Que.12) 28, 33, 31, 36, 34, ?

(a) 38

(b) 39

(c) 40

(d) 42

Que.13) 120, 80, 40, 45, ?, 15

(a) 15

(b) 20

(c) 25

(d) 30

Que.14) 2, 15, 41, 80, 132, ?

(a) 184

(b) 144

(c) 186

(d) 197

Que.15) 6, 17, 39, ?, 116

(a) 72

(b) 75

(c) 85

(d) 80

Que.16) 1, 4, 10, 22, ?, 94

(a) 46

(b) 48

(c) 49

(d) 47

Que17). 4, 9, 25, 49, ?, 169, 289, 361

(a) 120

(b) 121

(c) 122

(d) 164

Que.18) 4, 12, 36, ?, 324

(a) 107

(b) 109

(c) 108

(d) 110

Que.19) 1, 1, 4, 8, 9, ?, 16, 64

(a) 27

(b) 28

(c) 32

(d) 40

Que.20) 5760, 960, 192, ?, 16, 8

(a) 47

(b) 48

(c) 52

(d) 50

Que.21) 1, 2, 6, 7, 21, 22, 66, ?, 201

(a) 69

(b) 68

(c) 67

(d) 69

Que.22) 48, 24, 96, ?, 192

(a) 48

(b) 47

(c) 44

(d) 54

Que.23) 165, 195, 255, 285, ?, 375

(a) 345

(b) 390

(c) 335

(d) 395

Que.24) 2, 3, 3, 5, 10, 13, 39, ?, 172, 177

(a) 42

(b) 44

(c) 43

(d) 40

Que.25) 7, 26, 63, 124, 215, ?, 511

(a) 342

(b) 343

(c) 441

(d) 421

Que.26) 3, 7, 15, 31, ?, 127

(a) 62

(b) 63

(c) 64

(d) 65

Que.27) 8, 28, 116, 584, ?

(a) 1752

(b) 3502

(c) 3504

(d) 3508

Que.28) 6, 13, 28, 59, ?

(a) 122

(b) 114

(c) 113

(d) 112

Que.29) 2, 7, 27, 107, 427, ?

(a) 1707

(b) 4027

(c) 4207

(d) 1207

Que.30) 5, 2, 7, 9, 16, 25, 41, ?

(a) 65

(b) 66

(c) 67

(c) 68

Alphabet Series

- **Alphabet series consists of letters of the alphabets placed in a specific pattern.**
- **For example, the series are in the following order of the numbers.**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

Example: Find the next term of the series BKS, DJT, FIU, HHV?

Letter Series

- **These type of question usually consist of a series of small letters which follow a certain pattern. However some letters are missing from the series. These missing letters are then given in a proper sequence as one of the alternatives.**

Example: aab _ _ _ _ aaa _ _ _ bba _ _ _ _ _

(a) bba

(b) abb

(c) bab

(d) aab



Coding & Decoding

Coding & Decoding

- Before transmitting, the data is encoded and at receiver side encode data is decoded in order to obtain original data by determining common key in encoded data.
- The Coding and Decoding is classified into the following types.

Type 1: Letter Coding

Type 2: Number Coding

Coding & Decoding

Type 1: Letter Coding

- **In these type the real alphabets in a word are replaced by certain other alphabets according to a specific rule to form its code. The candidate is required to detect the common rule and answer the questions accordingly.**

Case 1: To form the code for another word

Example: If in a certain language MYSTIFY is coded as NZTUJGZ, how is MENESIS coded in that language?

Case 1: To form the code for another word

Example: If TAP is coded as SZO, then how is FRIEND coded?

Case 1: To form the code for another word

Example: In a certain code, MENTION is written as LNEITNO. How is PRESENT written in that code?

Case 2: To find the word by analysing the given code (DECODING)

Example: If in a certain language CARROM is coded as BZQQNL, which word will be coded a HORSE?

Coding & Decoding

Type 2: Number Coding

- **In these questions, either numerical code values are assigned to a word or alphabetical code letters are assigned to the numbers. The candidate is required to analyse the code as per the directions.**

Case 1: When a numerical code values are assigned to words.

Example: If in a certain language A is coded as 1, B is coded as 2, and so on, how is AICCI is coded in that code?

Case 1: When a numerical code values are assigned to words.

Example: If PAINT is coded as 74128 and EXCEL is coded as 93596, then how would you encode ANCIENT ?

Case 2: Number to letter coding.

Example: In a certain code, 2 is coded as P, 3 as N, 9 as Q, 5 as R, 4 as A and 6 as B. How is 423599 coded in that code?

Que31. In a certain language, MADRAS is coded NBESBT, how DELHI is coded in that code?

- (a) EMMJI
- (b) EFMIJ
- (c) EMFIJ
- (d) JIFEM

Que32. If RAMAN is written as 12325 and DINESH as 675489 how HAMAM is written?

- (a) 92323
- (b) 92233
- (c) 93233
- (d) 93292

Que33. If RED is coded as 6720 then GREEN would be coded as

(a) 9207716

(b) 167129

(c) 1677209

(d) 1672091

Que34. If $A = 1$, $FAT = 27$, $FAITH = ?$

(a) 44

(b) 45

(c) 46

(d) 36

Que.35 If BROTHER is coded 2456784, SISTER coded as 919684, what is coded for BORBERS?

- (a) 2542849
- (b) 2542898
- (c) 2454889
- (d) 2524889

Que36. If DELHI is coded 73541 and CALCUTTA as 82589662, How can CALICUT be coded?

- (a) 5279431**
- (b) 5978213**
- (c) 8251896**
- (d) 8543962**

Que37. If CLOCK is coded 34235 and TIME is 8679, what will be code of MOTEL?

- (a) 72894**
- (b) 77684**
- (c) 72964**
- (d) 27894**

Que38. If PALE is coded as 2134 and EARTH is coded as 41590, how is PEARL is coded ?

(a) 29530

(b) 24153

(c) 25430

(d) 254313

Que39. If LOSE is coded as 1357 and GAIN is coded as 2468, what do figure 82146 stands for?

- (a) NGLAI
- (b) NGLIA
- (c) GNLIA
- (d) GNLIA

Que40. If MEKLF is coded as 91782 and LLLJK as 88867, how can IHJED is coded as?

- (a) 97854**
- (b) 64512**
- (c) 54610**
- (d) 75632**

Que.41 If in a certain code language NAME is written as 4258 then what is coded as MEAN?

(a) 2458

(b) 5842

(c) 8524

(d) 5824

Que42. If GOLD is written as IQNF, how WIND can be written as code?

(a) YKPF

(b) VHCM

(c) XJOE

(d) DNIW

Que43. If ROSE is written as TQUG, how BISCUIT can be written in that code?

- (a) DKUEWKV**
- (b) CJTDVJU**
- (c) DKVEWKV**
- (d) DKUEWKY**

LETTER: C Z N V R S W F D

CODE DIGIT: 8 6 4 7 2 9 3 5 1

(Q. No. 44-46) In each of the following questions find out the correctly coded alternative from amongst the given four alternatives (a), (b), (c), (d).

Que.44 ZDRCVF

(a) 612875

(b) 619875

(c) 612845

(d) 612835

LETTER: C Z N V R S W F D

CODE DIGIT: 8 6 4 7 2 9 3 5 1

(Q. No. 44-46) In each of the following questions find out the correctly coded alternative from amongst the given four alternatives (a), (b), (c), (d).

Que45. WNCSZV

(a) 348267

(b) 318267

(c) 348957

(d) 348967

LETTER: C Z N V R S W F D

CODE DIGIT: 8 6 4 7 2 9 3 5 1

(Q. No. 44-46) In each of the following questions find out the correctly coded alternative from amongst the given four alternatives (a), (b), (c), (d).

Que46. RDNFVS

(a) 21679

(b) 216549

(c) 214579

(d) 218579

Que47. If DELHI is coded as CCIDD, how would you encode BOMBAY?

(a) AJMTVT

(b) AMJXVS

(c) MJXVSU

(d) WXYZAX

Que48. In a certain code, RIPPLE is written as 613382 and LIFE is written as 8192. How is PILLER written in that code?

- (a) 318826
- (b) 318286
- (c) 618826
- (d) 338816

Que49. If PALAM could be given the code number 43, what code number can be given to SANTACRUZ?

(a) 123

(b) 85

(c) 120

(d) 125

Directions: The number in each question below is to be codified in the following code:

Digit	7	2	1	5	3	9	8	6	4
Letter	W	L	M	S	I	N	D	J	B

Que50. 184632

- (a) MDJBSI
- (b) MDJBIL
- (c) MDJBWL
- (d) MDBJIL

Directions: The number in each question below is to be codified in the following code:

Digit	7	2	1	5	3	9	8	6	4
Letter	W	L	M	S	I	N	D	J	B

Que.51 In a certain code '256' means 'you are good', '637' means 'we are bad' and '358' means 'good and bad'. Which of the following represents 'and' in that code?

- (a) 2
- (b) 5
- (c) 8
- (d) 3



ODD MAN OUT

- **Classification means 'to assort the items' of a given group on the basis of a certain common quality they possess and then spot the stranger or 'odd one out'.**
- **These questions are based on words, letters and numerals. In these types of problems, we consider the defining quality of particular things. In these questions, four or five elements are given, out of which one does not belong to the group. You are required to find the 'odd one'.**

Example: January, May, July, November

(a) January

(b) May

(c) July

(d) November

Example: 10, 14, 16, 18, 23, 24 and 26

(a) 26

(b) 17

(c) 23

(d) 9

Example: 6, 9, 15, 21, 24, 26, 30

(a) 9

(b) 26

(c) 24

(d) 30

Example: 1, 5, 14, 30, 51, 55, 91

(a) 5

(b) 55

(c) 51

(d) 91

Example: 16, 25, 36, 62, 144, 196, 225

(a) 36

(b) 62

(c) 196

(d) 144

Directions: Find odd man out of the following (52 -61)

Que52. 3, 5, 7, 15, 17, 19

(a) 15

(b) 17

(c) 19

(d) 7

Que53. 10, 14, 16, 18, 23, 24, 26

(a) 26

(b) 23

(c) 24

(d) 18

Que.54) 1, 4, 9, 16, 24, 25, 36

(a) 9

(b) 24

(c) 25

(d) 36

Que.55) 41, 43, 47, 53, 61, 71, 83, 75

(a) 75

(b) 73

(c) 71

(d) 53

Que.56) 16, 25, 36, 73, 144, 196, 225

(a) 36

(b) 73

(c) 196

(d) 225

Que.57) 1, 4, 9, 16, 19, 36, 49

(a) 19

(b) 9

(c) 49

(d) 16

Que.58) 1, 5, 14, 30, 49, 55, 91

(a) 49

(b) 30

(c) 55

(d) 91

Que.59) 835, 734, 642, 751, 853, 981, 532

(a) 751

(b) 853

(c) 981

(d) 532

Que.60 4, 5, 7, 10, 14, 18, 25, 32

(a) 7

(b) 14

(c) 18

(d) 33

Que.61) 52, 51, 48, 43, 34, 27, 16

(a) 27

(b) 34

(c) 43

(d) 48