

In alphabet series, a series of alphabet is given and which follow a pattern throughout in a series. Therefore, you have to identify the pattern and complete the series, by choosing the correct alternative given in the question.

Note

The alphabets/ combinations are arranged in a particular manner and each alphabet/ combination is related to the earlier and the following alphabets in a particular way.

EJOTY: For purpose of convenience, it is helpful to remember this simple formula called EJOTY, with the help of which you can easily find the position of any letter without much effort. But for practical purposes, you need to learn by heart the positions of different letters in the alphabet.

- E J O T Y
- 5 10 15 20 25
- A-M - 1-13 (First Alphabetical Half)
- N-Z-14-26 (Second Alphabetical Half)

Rules for the Alphabet Series:

Letters with their respective numbers, i.e. A = 1, B = 2, C = 3.....Z = 26 and vice versa i.e. Z = 1, ... A = 26.

When the counting is circular, after Z, the cycle will continue from A. Carefully see some pattern in the following examples:

- Sometimes letters are omitted in sequence. Example – ABC..., EFG..., Here D and H in the sequence are omitted.
- Sometimes equal numbers of letters are omitted. For example in ADG, two consecutive letters are omitted.
- One following the letter and the other preceding it may be organised. For example – in BCA, C follows B and A precedes B.
- Sometimes, there may be repetition of letters in a set order. For example in AAB, ABC....., one letter is repeated twice. The next set could be CCD.

In some cases the numbers are mixed with letters, the number may refer to the position of the letters in the alphabet.

Alphabet Pyramid

Brief review of concepts: The questions are based on the Pyramid of Alphabet from a to z, as given below.

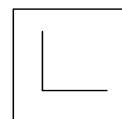
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      a
    b c d
  e f g h i
j k l m n o p
q r s t u v w x y
      z
  
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Many types of questions are possible based on the above pattern. For instance, geometrical figures like formation of parallel lines, perpendicular lines, triangles, squares, etc. by taking Alphabet in order.

Example 1. cgm : mno :: ? : tuv

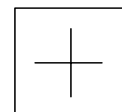
- a. bfl
- b. dhn
- c. rst
- d. flt



Solution: (d) The alphabet on the left hand side form perpendicular lines in the pyramid. Therefore, the alphabet on the right hand side must be of the same pattern. The answer to the above question should be fit to satisfy the same relation

Example 2. gmu : lmn :: iow : ?

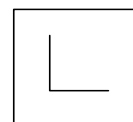
- a. hnv
- b. mno
- c. nop
- d. gmu



Solution: (c) The alphabet on the left hand side form perpendicular lines in the pyramid. Therefore, the alphabet on the right hand side must be of the same pattern. The answer to the above question should be not to satisfy the same relation.

Example 3. xwv : vnh :: rst : ?

- a. hmn
- b. tlf
- c. ekj
- d. ikr



Solution: (b) The alphabet on the left hand side form perpendicular lines in the pyramid. Therefore, the alphabet on the right hand side must be of the same pattern. The answer to the above question should be tlf to satisfy the same relation.

Example 4. BEGK : ADFJ :: PSVY : ?

- a. ROUX b. ORUX c. LQUT d. LOQT

Solution: (a)

As	Similarly
B $\xrightarrow{-1}$ A	P $\xrightarrow{-1}$ O
E $\xrightarrow{-1}$ D	S $\xrightarrow{-1}$ R
G $\xrightarrow{-1}$ F	V $\xrightarrow{-1}$ U
K $\xrightarrow{-1}$ J	Y $\xrightarrow{-1}$ X

Example 5. AZBY : CXDW :: EVFU : ?

- a. GTHS b. GHTS c. GSTH d. TGS

Solution: (a)

As	Similarly
A $\xrightarrow{+2}$ C	E $\xrightarrow{+2}$ G
Z $\xleftarrow{+2}$ X	V $\xleftarrow{+2}$ T
B $\xrightarrow{+2}$ D	F $\xrightarrow{+2}$ H
Y $\xleftarrow{+2}$ W	U $\xleftarrow{+2}$ S

Multiple Choice Questions

Type I.

Directions (1 to 5): In each of the following questions, choose the missing term out of the given alternatives.

Reference:

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

- Z, X, V, T, R,,
- a. O, K b. N, M c. K, S d. P, N
- ND, IY, DT, YO, TJ,
- a. MP b. NQ c. OF d. OE
- JE, LH, OL, SQ,
- a. WV b. WX c. VW d. XW
- BDF, CFI, DHL,
- a. CJM b. EIM c. EJO d. EMI
- A, CD, GHI,, UVWXY
- a. LMNO b. KNOL c. NOPQ d. MNOP

Type II.

Directions (6 to 15): In these series, you will be looking at both the letter pattern and the number pattern. Fill the blank in the middle of the series or end of the series.

- ABXW, EFTS ____, MNLK
- a. IJOP b. IJPO c. JIOP d. JIPO
- BXJ, ETL, HPN, KLP, ____.
- a. NHR b. MHQ c. MIP d. NIR
- SCD, TEF, UGH, ____, WKL
- a. CMN b. UJI c. VIJ d. IJT
- FAG, GAF, HAI, IAH, ____.
- a. JAK b. HAL c. HAK d. JAI
- ELFA, GLHA, ILJA, ____, MLNA
- a. OLPA b. KLMA c. LLMA d. KLLA
- CMM, EOO, GQQ, ____, KUU
- a. GRR b. GSS c. ISS d. ITT
- QPO, NML, KJI, ____, EDC
- a. HGF b. CAB c. JKL d. GHI

- JAK, KBL, LCM, MDN, ____.
- a. OEP b. NEO c. MEN d. PFQ
- BCB, DED, FGF, HIH, ____.
- a. JKJ b. HJH c. IJI d. JHH
- QAR, RAS, SAT, TAU, ____.
- a. UAV b. UAT c. TAS d. TAT

Type III.

Direction: (16 to 30): The following questions are based on letter series in which some letters are missing. The missing letters are given in a proper sequence as one of the alternatives among the given four alternatives under each question. Fill the blank in the series.

- __ ab __ ab __ a __ pad
- a. aapp b. apap c. pppb d. bbba
- __ aabb __ abba __ b
- a. bab b. aba c. bba d. baa
- a __ baa __ baa __ ba
- a. aab b. bab c. bba d. bbb
- ba __ __ baabba __ b
- a. aba b. bab c. caa d. baa
- babbb __ b __ b __ bb __
- a. bba b. bab c. bbb d. aba
- aab – aa – bbb – aaa – bbb
- a. abba b. baab c. aaab d. abab
- abb – baa – a – bab – ab
- a. abba b. abab c. ccac d. aabb
- aba -- ba -- ab
- a. abbba b. abbab c. baabb d. bbaba
- c – bba – cab – ac – ab – ac
- a. abcb b. acbab c. babcc d. bcacb
- a – ca – bc – bcc – bca
- a. bbaa b. bbab c. abbb d. baba

26. ba – cb – b – bab –
 a. acbb b. bacc c. bcaa d. cabb
27. – stt – tt – tts –
 a. tsts b. ttst c. sstt d. tsst
28. bca – b – aabc – a – caa
 a. acab b. bcb c. cbab d. ccab
29. – acca – ccca – acccc – aaa
 a. acca b. caaa c. ccaa d. caac
30. b – ac – cc – cb – ab – ac
 a. cbaba b. bbaac c. abbcb d. aabba

Type IV.

Direction (31 to 35): Study the arrangement of letters in the form of a pyramid and answer the questions that follow.

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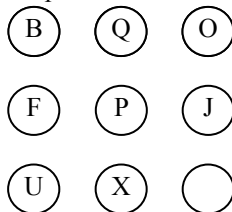
      a
    b c d
  e f g h i
j k l m n o p
q r s t u v w x y
      z
  
```

31. elu : adi :: ? : abe
 a. fm v b. dg l c. hmt d. inu
32. fit : klm :: iow : ?
 a. hnv b. mno c. nop d. gmu
33. efg : gmu :: eks : ?
 a. hmn b. stu c. ekj d. ikr
34. yxp : qrj :: ekl : ?
 a. hmn b. ion c. ekj d. ikr
35. cfk : ktz :: ? : ovz
 a. dip b. cho c. gmu d. hnv

Type V: Puzzles

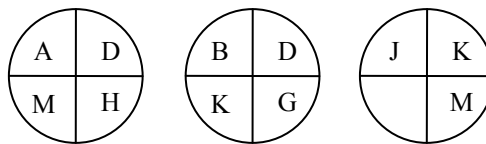
Directions (36 to 55): Choose the missing letter among the given alternatives and complete the given puzzles/arrangements/figures.

36. Which letter replaces the blank and completes the puzzle?



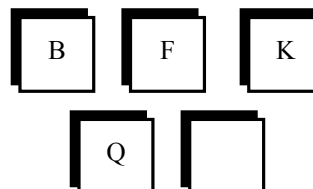
- a. C b. D c. E d. F

37. Which letter completes the third circle?



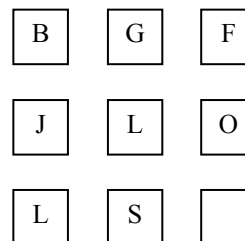
- a. C b. P c. E d. Q

38. Which letter follows next?



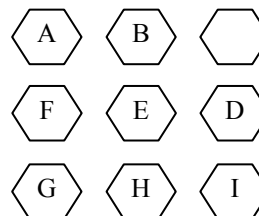
- a. C b. X c. E d. Z

39. Which letter goes in the empty square?



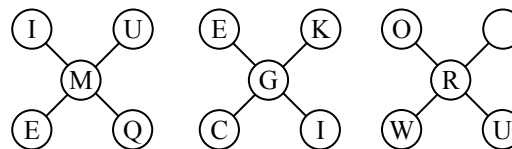
- a. C b. D c. U d. V

40. Which letter replaces the blank and completes the puzzle?



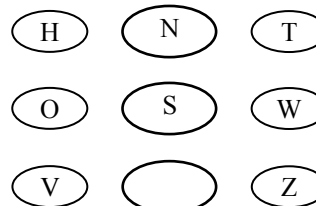
- a. C b. D c. E d. F

41. Can you work out which letter is missing?



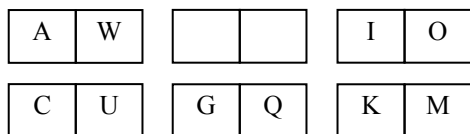
- a. O b. M c. E d. F

42. Which letter replaces the blank and completes the sequence?



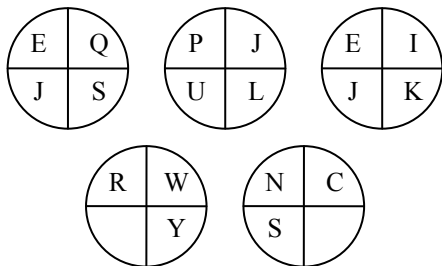
- a. C b. X c. E d. Y

43. Which two letters are missing?



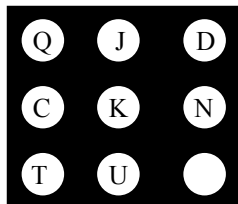
- a. C & W b. D & Y c. W & E d. E & S

44. Which two letters will complete this puzzle?



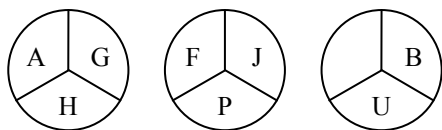
- a. C and W b. D and Y c. W and E d. F and R

45. Which letter goes in the empty circle?



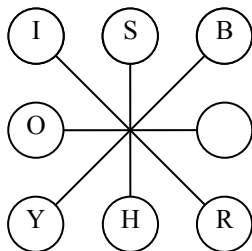
- a. C b. D c. R d. S

46. Which letter goes in the empty segment?



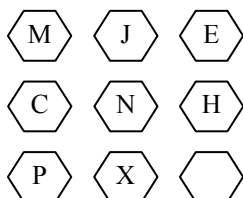
- a. C b. D c. E d. S

47. Which letter replaces the question mark?



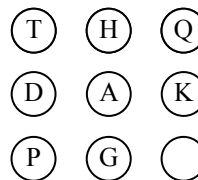
- a. C b. H c. E d. T

48. Which letter completes the puzzle?



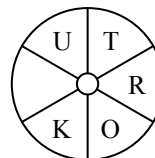
- a. C b. D c. E d. M

49. Which letter replaces the blank and completes the sequence?



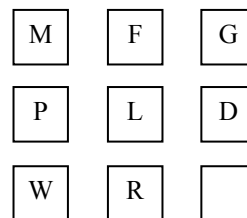
- a. C b. D c. E d. F

50. Which letter replaces the blank and completes the wheel?



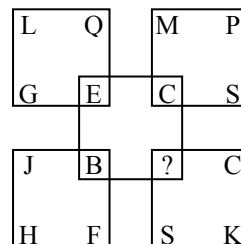
- a. C b. D c. E d. F

51. Which letter replaces the blank and completes the sequence?



- a. C b. D c. E d. F

52. Which letter goes in the empty circle and completes this puzzle?



- a. C b. L c. E d. Y

53. Complete the last star.



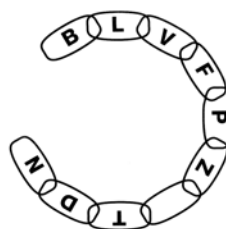
- a. C b. K c. E d. S

54. Which letter completes the sequence?

K	Q	F
R	Y	G
M	B	K
O	E	

- a. C b. D c. E d. J

55. Fill in the missing letter to complete the chain.



- a. C b. J c. E d. Z

ANSWERS

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

SOLUTIONS

- (d) Clearly the given series consists of alternate letters in the reverse order. So, the missing terms would be P and N,
- (c) First letter +2, +3, +4, +5 etc; Second letter; -2, -3, -4, -5, etc
- (d) First letter +2, +3, +4, +5, ..., Second letter; +3, +4, +5, +6,
- (c) First, 2nd, 3rd letters are moving +1, +2, +3 steps.
- (d) The number of letters in each term is increasing by one. First letter of each term is +1, +3, +5.
- (b) IJPO
- (a) NHR
- (c) There are two alphabetical series here. The first series is with the first letters only: STUVW. The second series involves the remaining letters: CD, EF, GH, IJ, KL.
- (a) The middle letters are static, so concentrate on the first and third letters. The series involves an alphabetical order with a reversal of the letters. The first letters are in alphabetical order: F, G, H, I, J. The second and fourth segments are reversals of the first and third segments. The missing segment begins with a new letter.
- (d) The second and fourth letters in the series, L and A, are static. The first and third letters consist of an alphabetical order beginning with the letter E.
- (c) The first letters are in alphabetical order with a letter skipped in between each segment: C, E, G, I, K. The second and third letters are repeated; they are also in order with a skipped letter: M, O, Q, S, U.
- (a) This series consists of letters in a reverse alphabetical order.
- (b) This is an alternating series in alphabetical order. The middle letters follow the order ABCDE. The first and third letters are alphabetical beginning with J. The third letter is repeated as a first letter in each subsequent three-letter segment.
- (a) This series consists of a simple alphabetical order with the first two letters of all segments: B, C, D, E, F, G, H, I, J, K. The third letter of each segment is a repetition of the first letter.
- (a) In this series, the third letter is repeated as the first letter of the next segment. The middle letter, A, remains static. The third letters are in alphabetical order, beginning with R.
- (c) The sequence is: pab / pab / pab / pab
- (d) The sequence is: baab / baab / baab / baab
- (d) The sequence is: abba / abba / abba / abba
- (a) The sequence is: baab / baab / baab / baab
- (c) The sequence is: babb / babb / babb / babb
- (b) The series is: aabbcc / aabbcc / aabbcc. Thus the pattern 'aabbcc' is repeated.
- (a) The series is: abba / baab / abba / baab. Thus the pattern 'abba, baab' is repeated.
- (b) The series is: ab / ab / ab / ab / ab / ab
- (b) The series is: cab / bac / cab / bac / cab / bac. Thus the pattern 'cab / bac' is repeated.
- (a) The series is: abcab / bcabc / cabca
- (b) The series is: babc / babc / babc
- (d) The series is: tst / tst / tst / tst
- (a) The series is: bcaa / bcaa / bcaa / bcaa

29. (b) The series is: ca / ccaa / cccaaa / ccccaaaa
30. (d) The series is: baac / accb / cbba / baac
31. (d)
32. (c)
33. (b)
34. (b)
35. (b)
36. (a) [C] In each row, the sum of the centre letter equals the sum of the left and right hand letters.
37. (b) [P] In each circle, letters move clockwise by increasing steps.
38. (b) [X] Letters advance by 4, 5, 6 and 7.
39. (c) [U] In columns, the value of the bottom letter equals the sum of the values of the other two.
40. (a) [C] Follow the sequence of alphabet.
41. (b) [M] Each centre letter is the midpoint between the pairs of letters in the diagonal lines.
42. (b) [X] The letters in the central column come midway in the alphabet between the left and right hand numbers.
43. (d) [E & S] Starting on the left and going down, the up the right column. Letters advance in steps of two.
44. (c) [W & E] In each circle, add 5 to the value of the top left letter to give the bottom left letter, and then add 2 to the top right to give the bottom right.
45. (c) [R] In columns, add the numerical value of the top and middle letters to give the bottom letters.
46. (d) [S] The numerical value of the bottom letters equals the sum of the numerical values of the top two letters.
47. (b) [H] Going clockwise around each square, the letters increase in value in steps presented by the central square.
48. (d) [M] Working in columns, the bottom letter equals the sum of the top and centre letters.
49. (d) [F] Working in columns, subtract the value of the middle letter from the value of the top letter.
50. (d) [F] Moving clockwise, letters decrease in value from U in steps of 1, 2, 3, 4, and 5.
51. (c) [E] In each row, subtract the numerical value of the middle letter from the left hand letter to give the right hand letter.
52. (b) [L] Letters at opposite ends of each line come in pairs – one is the same distance from the start of the alphabet as the other is from the end.
53. (b) [K] In each star, the letters run clockwise in alphabetical order, in steps of 3 for the hand star, 4 for the centre and 2 for the right hand star.
54. (d) [J] In rows, the value of the right hand letter equals the difference between the values of the left and centre letters.
55. (b) [J] Letters move clockwise in steps of 10.

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