



**LearnFrenzy**  
QUALITY EDUCATION

REASONING ABILITY

# ANALOGY TEST

Master the identification of logical relationships, word associations, and pattern recognition through structured comparative analysis.

**ONE DAY EXAM SERIES**

SESSION 2027-2028

EXAM PREP EDITION

# LearnFrenzy

# Analogy Test

Analogy means similarity or symmetry. The objective of this test is to identify the similarity between the given elements/groups or to understand and analyse the underlying relationship between the given elements or groups.

In questions related to analogy, the ability to understand the relationship between various elements, objects, events, actions etc. is tested. The following two tasks have to be done to solve the questions related to this –

1. Identify the relationship between two words/letter groups/numbers given in the question and –
2. Choose the correct option by applying the special relationship with the given third word/letter group/number.

Many types of questions related to analogy are asked in various examinations. To understand it easily, different types of questions have been divided into different categories in this chapter, which are as follows :

## Type-1: Words Related to Homology

In this type of question, two words are given which are related to each other in some way and then a third word and some options are given. We have to choose an answer from among those options which has the same relation with the third word as the first and second words have.

### Questions related to measurement and unit:

1. Force : Newton :: Work : ?  
(1) Pascal (2) Ohm  
(3) Joule (4) Watt
- Sol.** Just as the unit of force is Newton, similarly the unit of work is Joule.
2. Pressure : Pascal :: Power : ?  
(1) Watt (2) Newton  
(3) Joule (4) None of these
- Sol.** Just as the unit of pressure is Pascal, similarly the unit of power is Watt.

### Questions related to similar words

1. Stranger : Unknown :: Disagreement : ?  
(1) Quarrel (2) Conflict  
(3) Rivalry (4) None of these
- Sol.** Just as the synonym of stranger is 'unknown', in the same way the synonym of disagreement is 'conflict'.
2. Amrit : Madhu :: Inference : ?  
(1) Guess (2) Wish  
(3) Bitter (4) Certain

**Sol.** Just as madhu is the synonym of amrit, in the same way guess is the synonym of inference.

### Questions related to antonyms:

1. Peace: Disturbance :: Joy: ?  
(1) joy (2) happiness  
(3) Sadness (4) Dance
- Sol.** Just as the opposite of peace is disturbance, the antonym of joy is sadness.
2. Sanyasi: Householder :: Insult: ?  
(1) disgrace (2) shame  
(3) prestige (4) respect
- Sol.** Just as the antonym of a sanyasi is a householder, similarly the antonym of insult is respect.

### Questions related to animals/things and their places of keeping:

1. Animal : Zoo :: Car : ?  
(1) Road (2) House  
(3) Park (4) Garage
- Sol.** Just as an animal is kept in a zoo, similarly a car is kept in a garage.
2. Clothes : Cupboard :: Bird : ?  
(1) Tree (2) Zoo  
(3) House (4) None of these
- Sol.** Just as clothes are kept in a cupboard, similarly a bird is kept in a zoo.

### Questions related to physical quantities and their measuring instruments:

1. Thermometer : Temperature :: Ammeter : ?  
(1) electric current (2) power  
(3) Potential difference (4) None of these
- Sol.** Just as temperature is measured by a thermometer, electric current is measured by an ammeter.
2. Glucometer : Blood sugar :: Hygrometer : ?  
(1) Temperature (2) Concentration  
(3) Humidity (4) None of these
- Sol.** Just as blood sugar is measured by a glucometer, similarly humidity is measured by a hygrometer.

### Mixed type questions:

1. Motor car : Garage :: Aeroplane : ?  
(1) Airport (2) Runway  
(3) Hangar (4) None of these

**Sol.** Just as a motor car is kept in a garage, similarly an aeroplane is kept in a hangar.

2. Doctor : Treatment :: Judge : ?

- (1) Judgment (2) Advocacy  
(3) Investigation (4) None of these

**Sol.** Just as a doctor treats, a judge gives a decision.

3. Peacock : India :: Emu : ?

- (1) Kenya (2) Australia  
(3) Pakistan (4) Sri Lanka

**Sol.** Just as Peacock is the national bird of India, in the same way Emu is the national bird of Australia.

4. Japan : Tokyo :: Kenya : ?

- (1) Harare (2) Khartoum  
(3) Libya (4) Nairobi

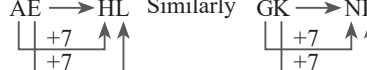
**Sol.** Just as Tokyo is the capital of Japan, in the same way Nairobi is the capital of Kenya.

### Type-2: Based on letters of the English alphabet

Under this category, questions are usually asked based on the position of letters of the English alphabet. By changing the letters of one group or by changing their position, another group is given. On the basis of this relationship, the correct option has to be found for the third group.

1. AE : HL :: GK : ?

- (1) MQ (2) MR  
(3) NR (4) NS

**Sol.** AE → HL Similarly GK → NR  


Both the letters of the first group have been moved forward by 7 places. Similarly, if both the letters of the third group are moved forward by 7 places, then NR will be obtained. Therefore, the correct option is (3).

2. FHJ : ACE :: TVX : ?

- (1) QPS (2) OQS  
(3) RTQ (4) SVW

**Sol.** The three letters of the first group have been moved 5 places back and the second group has been obtained. Similarly, the three letters of the third group have been moved 5 places back, and OQS has been obtained.

### Type-3: Related to number symmetry

In this type of questions, questions related to number similarity are asked and it may also include multiplication, division, addition and subtraction between the digits of any number. Also, sometimes questions are directly based on the square and cube of numbers.

1. 6 : 18 :: 4 : ?

- (1) 10 (2) 14  
(3) 16 (4) 21

**Sol.** Just as adding 12 to 6 gives 18, similarly adding 12 to 4 gives 16.

2. 15 : 46 :: 25 : ?

- (1) 73 (2) 74  
(3) 75 (4) 76

**Sol.** Just as the second number is obtained by multiplying the first number 15 by 3 and adding 1. Similarly, the third number 25 is multiplied by 3 and added 1 to get 76.

### Questions related to squares:

1. 8 : 64 :: 14 : ?

- (1) 169 (2) 189  
(3) 196 (4) 199

**Sol.** Just as the second number is obtained by squaring the first number ( $8^2 = 8 \times 8$ ), similarly the fourth number 196 is obtained by squaring the third number ( $14^2 = 14 \times 14$ ).

2. 11 : 121 :: 20 : ?

- (1) 401 (2) 400  
(3) 525 (4) 500

**Sol.** Here also, on squaring the first number ( $121 = 11 \times 11$ ), we have got the second number. Similarly, on squaring the third number ( $20^2 = 20 \times 20$ ), we will get the fourth number 400.

### Questions related to cube:

1. 4 : 64 :: 7 : ?

- (1) 324 (2) 343  
(3) 361 (4) None of these

**Sol.** Just as the second number is obtained by cubing the first number ( $4^3 = 4 \times 4 \times 4$ ). Similarly, the fourth number 343 is obtained by cubing the third number ( $7^3 = 7 \times 7 \times 7$ ).

2. 5 : 125 :: 6 : ?

- (1) 196 (2) 216  
(3) 225 (4) 256

**Sol.** Just as the second number is obtained by cubing the first number ( $5^3 = 5 \times 5 \times 5$ ), similarly the fourth number 216 is obtained by cubing the third number ( $6^3 = 6 \times 6 \times 6$ ).

**Note:** The squares and cubes of some numbers are given below, remembering which can help in solving the questions.

#### Perfect square number

|            |              |              |              |
|------------|--------------|--------------|--------------|
| $1^2 = 1$  | $6^2 = 36$   | $11^2 = 121$ | $16^2 = 256$ |
| $2^2 = 4$  | $7^2 = 49$   | $12^2 = 144$ | $17^2 = 289$ |
| $3^2 = 9$  | $8^2 = 64$   | $13^2 = 169$ | $18^2 = 324$ |
| $4^2 = 16$ | $9^2 = 81$   | $14^2 = 196$ | $19^2 = 361$ |
| $5^2 = 25$ | $10^2 = 100$ | $15^2 = 225$ | $20^2 = 400$ |

#### Perfect cube number

|             |               |               |
|-------------|---------------|---------------|
| $1^3 = 1$   | $6^3 = 216$   | $11^3 = 1331$ |
| $2^3 = 8$   | $7^3 = 343$   | $12^3 = 1728$ |
| $3^3 = 27$  | $8^3 = 512$   | $13^3 = 2197$ |
| $4^3 = 64$  | $9^3 = 729$   | $14^3 = 2744$ |
| $5^3 = 125$ | $10^3 = 1000$ | $15^3 = 3375$ |

### Type-4: Questions based on number group

In this type of questions, questions related to group of numbers are asked.

1. The numbers similar to the group (3, 7, 15) are-
- (1) 2, 6, 10 (2) 4, 8, 18  
(3) 5, 9, 17 (4) 7, 12, 19

**Sol.** In the same way, 3  $\xrightarrow{\times 2 + 1}$  7  $\xrightarrow{\times 2 + 1}$  15

Here, on multiplying 3 by 2 and adding 1, we get 7, then on multiplying 7 by 2 and adding 1, we get 15.

Similarly, option (3) 5  $\xrightarrow{\times 2 - 1}$  9  $\xrightarrow{\times 2 - 1}$  17 follows the

set of numbers given in the question.

#### Example:

**Directions (Q.No. 1-8) :** In the questions given below, two words are given on the left side of the symbol (:), which are related to each other in some way. On the same basis, choose the correct word from the options related to the word given on the right side of the symbol (:).

1. Radio : Broadcasting : Television : ?
- (1) News (2) Music  
(3) Entertainment (4) Telecast

**Sol.** Just as broadcasting is done through radio, in the same way telecast is done through television.

2. White flag : surrender : ? : peace
- (1) Peacock (2) Pigeon  
(3) Eagle (4) Parrot

**Sol.** Just as the white flag is a symbol of surrender, similarly the pigeon is a symbol of peace.

3. WRITE : XSJUF :: BEGUM : ?
- (1) CDHVN (2) CFHVN  
(3) BFHUN (4) CFGVM

**Sol.** Just as, W R I T E  $\xrightarrow{+1}$  X S J U F

in the same way,

B E G U M  $\xrightarrow{+1}$  C F H V N

4. DBH : 64 :: BOD : ?

- (1) 80 (2) 100  
(3) 120 (4) 125

**Sol.** Just as, D B H  $\rightarrow$  64  
 $\downarrow \downarrow \downarrow$   
 $4 \times 2 \times 8 \rightarrow 64$

in the same way, B O D  $\rightarrow$  ?  
 $\downarrow \downarrow \downarrow$   
 $2 \times 15 \times 4 \rightarrow 120$

5. C : 27 :: H : ?

- (1) 64 (2) 216  
(3) 512 (4) 8

**Sol.** Just as, C  $\rightarrow$  27  
 $\downarrow$   
 $(3)^3 \rightarrow 3 \times 3 \times 3 = 27$

in the same way, H  $\rightarrow$  512  
 $\downarrow$   
 $(8)^3 \rightarrow 8 \times 8 \times 8 = 512$

6. 6 : 32 :: 8 : ?

- (1) 64 (2) 36  
(3) 60 (4) 40

**Sol.** Just as,  $6 \times 6 - 4 = 36 - 4 = 32$   
in the same way,,  $8 \times 8 - 4 = 64 - 4 = 60$

7. 216 : 6 :: 512 : ?

- (1) 9 (2) 8  
(3) 13 (4) 14

**Sol.** Just as,  $216 \rightarrow (6)^3$   
in the same way,  $512 \rightarrow (8)^3$

8. 36 : 216 :: ? : 512

- (1) 6 (2) 8  
(3) 49 (4) 64

**Sol.** Just as,  $36 \rightarrow (6)^2$   
 $216 \rightarrow (6)^3$   
in the same way,  $64 \leftarrow (8)^2$   
 $512 \leftarrow (8)^3$

$\therefore (8)^2 = 64$

**Directions (Q.No. 9-10):** From the group of options given below, select the option which is similar to the group of numbers given in the question.

9. The given group (5, 45, 55)

- (1) (6, 18, 22) (2) (7, 42, 63)  
(3) (11, 55, 67) (4) (4, 28, 30)

**Sol.** Just as,  
(5, 45, 55)  $\rightarrow$  all numbers are exactly divisible by 5.  
Similarly,

(7, 42, 63)  $\rightarrow$  all numbers are exactly divisible by 7.

10. Given group (9, 25, 49)

- (1) (4, 9, 16) (2) (16, 36, 64)  
(3) (25, 16, 64) (4) (36, 64, 81)

Sol. Just as, 9, 25, 49

$$\begin{array}{ccc} \downarrow & \downarrow & \downarrow \\ (3)^2 & (5)^2 & (7)^2 \\ \uparrow & \uparrow & \uparrow \\ +2 & +2 & +2 \end{array}$$

in the same way, 16, 36, 64

$$\begin{array}{ccc} \downarrow & \downarrow & \downarrow \\ (4)^2 & (6)^2 & (8)^2 \\ \uparrow & \uparrow & \uparrow \\ +2 & +2 & +2 \end{array}$$

## Practice Questions

**Directions (Q.No. 1-23):** In the questions given below, two words are given on the left side of the symbol (:), which are related to each other in some way. On the same basis, choose the correct word from the options related to the word given on the right side of the symbol (:).

- Film : Director : Book : ?  
 (1) Writer (2) Publisher  
 (3) Producer (4) Editor
- Gravity : Earth : Coldness : ?  
 (1) Day (2) Ice  
 (3) Sea (4) Forest
- Horse : Herd : Soldier : ?  
 (1) Navy (2) Fleet  
 (3) Regiment (4) None of these
- Electric current : Ampere : Pressure : ?  
 (1) Joule (2) Newton  
 (3) Pascal (4) Ohm
- Work : Joule : Volume : ?  
 (1) Litre (2) Kilogram  
 (3) Gram (4) Newton
- Power : Watt : Resistance : ?  
 (1) Joule (2) Ampere  
 (3) Ohm (4) Newton
- Botany : Plants : Ornithology : ?  
 (1) Mammals (2) Birds  
 (3) Insects (4) Plants
- Paleontology : Fossil : Microbiology : ?  
 (1) Snake (2) Bird  
 (3) Bacteria (4) Insect
- Nectar : Honey :: Disagreement : ?  
 (1) Friendly (2) Conflict  
 (3) Hatred (4) Confusion
- Jealousy : Hatred :: Happiness : ?  
 (1) Joy (2) Smile  
 (3) Unhappiness (4) Crying
- Stranger : Unknown : Guess : ?  
 (1) Confusion (2) Conjecture  
 (3) Critic (4) Creative
- Peace : Unrest : Knowledge : ?  
 (1) Ignorance (2) Intelligence  
 (3) Humble (4) Arrogance
- Joy : Sadness : Love : ?  
 (1) Happiness (2) Hate  
 (3) Hate (4) Shining
- Grief : Pleasure : Joy : ?  
 (1) Medicine (2) Treatment  
 (3) Sad (4) Happy
- Meaningful : Meaningless : Humility : ?  
 (1) Butcher (2) Arrogance  
 (3) Arrogance (4) Weakness
- Animal : Zoo : Aeroplane : ?  
 (1) Airhostess (2) Flying  
 (3) Hangar (4) Landing
- Clothes : Cupboard : Book : ?  
 (1) Table (2) Library  
 (3) Aquarium (4) Hanger
- Car : Garage : Fishes : ?  
 (1) Apiary (2) Hangar  
 (3) Aquarium (4) None of these
- Thermometer : Temperature : Barometer : ?  
 (1) Electric current  
 (2) Earthquake intensity  
 (3) Pressure  
 (4) Blood pressure
- Glucometer : Blood sugar : Sphygmomanometer : ?  
 (1) Blood pressure  
 (2) Blood pressure  
 (3) Atmospheric pressure  
 (4) Humidity
- Moon : Satellite : Mars : ?  
 (1) Red (2) Solar System  
 (3) Planet (4) Round
- Bees : Buzzing : Horse : ?  
 (1) Hissing (2) Neighing  
 (3) Snooping (4) Roaring
- Country : Prime Minister : State : ?  
 (1) Governor  
 (2) Chief Minister  
 (3) Speaker  
 (4) President

**Directions (Q.24-45) :** In the following questions, two groups of letters are given on the left side of the symbol (::) which are related to each other in some way. On the same basis, choose the correct word from the options related to the letter given on the right side of the symbol (::).

24. CLOSE : DMPTF :: DRIVEN : ?  
 (1) FRJWEO (2) ESJWFO  
 (3) ESIWFN (4) ESJVEO
25. EXCUSE : FZFYXK :: LABOUR : ?  
 (1) MBERXW (2) MBDRWV  
 (3) MCESZX (4) LBESZX
26. ADBN : BECO :: SHOE : ?  
 (1) HSEO (2) TIOF  
 (3) TIPF (4) THPE
27. RACKET : QZBJDS :: OBJECT : ?  
 (1) NAIEBT (2) NAIDBS  
 (3) NBIDBS (4) NBIEBT
28. GNTRD : FMSQC :: NORMAL : ?  
 (1) MNQLZK (2) MNRLAK  
 (3) NOQLZK (4) MNQLAK
29. CNLBD : DPOFI :: ACGK : ?  
 (1) BDIM (2) BEJO  
 (3) BCJO (4) AEGO
30. BOMBAY : OBBMYA :: FLOWER : ?  
 (1) FLWORE (2) LFWORE  
 (3) LFWORE (4) LFWOER
31. CRADLE : RCDAEL :: RESULT : ?  
 (1) ERUSLT (2) ERSUTL  
 (3) ERUSTL (4) REUSTL
32. MOTHER : REHTOM :: SOCIAL : ?  
 (1) SOICLA (2) LAICSO  
 (3) LAICOS (4) ALCIOS
33. METAPHOR : ROHPATEM :: NUMERAL : ?  
 (1) LAERMUN (2) LAREUMN  
 (3) LAREMUN (4) LAERUMN
34. UNDATED : DETADNU :: ECTRORC : ?  
 (1) CRORTCE (2) CRORCTE  
 (3) ECRCTOR (4) CROTRCE
35.  $\sqrt{BEF}$  : 16 ::  $\sqrt{CBD}$  = ?  
 (1) 15 (2) 18  
 (3) 17 (4) 19
36. B5C7 : G10H12 :: D15B8 : ?  
 (1) I20B16 (2) I20G14  
 (3) D20G13 (4) I20G13
37. CGJ : 20 :: NET : ?  
 (1) 30 (2) 39  
 (3) 45 (4) 40

38. BDHM : YWSN :: ZYLMWZM : ?  
 (1) ABONDAN (2) ABOMDBN  
 (3) ZBONDAM (4) ABONWAM

**Directions (Q.No. 39-43) :** From the group of options given below, choose the option which is similar to the group of numbers given in the question.

39. Given group (12, 21, 39)  
 (1) (13, 22, 31) (2) (13, 22, 40)  
 (3) (12, 15, 33) (4) (16, 24, 35)
40. Given group (13, 17, 19)  
 (1) (13, 21, 23) (2) (17, 23, 27)  
 (3) (12, 47, 41) (4) (41, 47, 53)
41. Given group (5, 16, 49)  
 (1) (7, 14, 30) (2) (6, 19, 38)  
 (3) (4, 10, 22) (4) (5, 16, 48)
42. Given group (4, 16, 64)  
 (1) (5, 25, 124) (2) (3, 9, 25)  
 (3) (6, 36, 216) (4) (7, 48, 343)
43. Given group (4, 20, 60)  
 (1) (3, 15, 60) (2) (6, 30, 120)  
 (3) (5, 25, 75) (4) (2, 12, 24)

**Directions (Q.No. 44-45) :** In the following questions, choose the numbers that are similar in the number group.

44. 753, 465, 843  
 (1) 428 (2) 545  
 (3) 825 (4) 736
45. 587, 695, 749  
 (1) 938 (2) 846  
 (3) 729 (4) 658
46. Choose the option in which the words have the same relationship with each other as the words of the word pair given below. Clock : Time  
 (1) Ammeter : Current (2) Tesiometer : Wind  
 (3) Anemometer : Tension (4) Balance : Measure
47. Select the option in which the words have the same relationship between themselves as the words in the following pair of words.  
 Turmeric : Spices  
 (1) Fig : Cashew  
 (2) Dates : Dry Fruits  
 (3) Apricot : Pear  
 (4) Balance : Small pieces of dried chilli

SSC CGL, 2019

**Directions (Q.No. 48-49) :** Select the related word/letters/number from the given options.

SSC CGL, 2018

48. 36 : 84 :  
 (1) 27 : 63 (2) 21 : 51  
 (3) 57 : 135 (4) 45 : 95

49. 4 : 32 :

- (1) 8 : 248 (2) 5 : 62  
(3) 10 : 160 (4) 6 : 108

50. Select the set in which the numbers are related in the same way as the numbers are related in the set given below.

10, 18, 38

- (1) 4, 12, 22 (2) 14, 12, 8  
(3) 12, 22, 46 (4) 18, 6, 14

**Directions (Q.No. 51-53):** In the following question, choose the related pair from the given alternatives.

SSC CGL, 2017

51. Heart : Organs :: ? : ?

- (1) Bone : Calcium (2) Eyes : Organs  
(3) Leg : Feet (4) Ear : Senses

52. 48 : 63 :: 80 : ?

- (1) 97 (2) 98  
(3) 99 (4) 101

53. BPTW : CQUX :: CHNS : ?

- (1) DIST (2) DIOT  
(3) BGOT (4) DSTO

**Directions (Q- 54-58):** In the following question, choose the related pair from the given options.

SSC CGL, 2016

54. 456 : 15 :: 789 : ?

- (1) 22 (2) 24  
(3) 26 (4) 28

55. Word : Sentence :: Paragraph : ?

- (1) Typing (2) Essay  
(3) Letter (4) Phrases

56. DHLP : WSOK :: FJNR : ?

- (1) UQMI (2) TPLH  
(3) SOKG (4) VRNJ

57. 5 : 100 : 7 : ?

- (1) 49 (2) 196  
(3) 91 (4) 135

58. GrtK : KtrG : FjbH : ?

- (1) HbjF (2) jHbF  
(3) FbjH (4) HjbF

59. Select the number pair whose two numbers have the same relationship as the two numbers of the following pair.

16 : 224

- (1) 20 : 400 (2) 25 : 650  
(3) 17 : 289 (4) 22 : 440

SSC CPO, 2020

**Directions (Q.No. 60-65):** Select the option which is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

SSC CPO, 2018

60. ABSORPTION : ROSBANOITP :: VISUALIZER : ?

- (1) AUSIVREILZ (2) VUAISREZIL  
(3) AUSIVREZIL (4) UASIVERZIL

61. Request: Order

- (1) Heat: Heating (2) Think : Contemplate  
(3) clean: wash (4) whisper: shout

62. 5 : 9

- (1) 25 : 79 (2) 10 : 29  
(3) 12 : 33 (4) 17 : 65

63. Memory: Oblivion

- (1) Elder stage : Old age (2) Voice test: Shravan  
(3) Vision: Blindness (4) Cholera : Epidemic

64. CQHL : FTEI :: OPAR : ?

- (1) YTXO (2) RSXP  
(3) RTYO (4) RSXO

65. 7 : 729

- (1) 6 : 343 (2) 5 : 125  
(3) 8 : 1000 (4) 4 : 64

66. Select the option which has the same relationship between the word pairs as the relationship between the following word pairs.

- (1) Bihu  
(2) Garba  
(3) Ghoomar  
(4) Kathak

SSC CPO, 2017

67. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

LAME : OXPB :: TREE : ?

- (1) QUBH (2) UMFA  
(3) WOHB (4) VNGB

SSC CHSL, 2019

68. Select the option that is related to the third letter-cluster in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

8 : 81 :: 12 : ? :: 11 : 144

- (1) 144 (2) 169  
(3) 196 (4) 256

SSC CHSL, 2019

69.  $\frac{1}{4} : \frac{1}{8} :: \frac{2}{3} : ?$

- (1)  $\frac{1}{3}$  (2)  $\frac{1}{2}$   
(3) 1 (4)  $\frac{1}{4}$

SSC CHSL, 2015

70. 8 : 64 :: 27 : ?

- (1) 64 (2) 81  
(3) 212 (4) 125

SSC Steno., 2016



71. In the following number pairs, the second number is obtained by applying some mathematical operations on the first number. Select the pair in which the numbers are related in the same way as the numbers in the following pairs. (Note: Operations should be performed on whole numbers without breaking the numbers into their constituent digits. For example, operations on 13-13 such as addition/subtraction/multiplying 13 etc. can be performed. Breaking 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not permitted.)

(280 , 140) (186 , 93)

- (1) (118 , 59) (2) (92 , 51)  
(3) (86 , 48) (4) (166 , 84)

SSC CGL, 2024

72. The question contains a pair of words which are related to each other in a certain way. Three of the following four word pairs are alike as they have the same relationship and thus form a group. Which is the one that does not belong to that group?

(The words should be considered as meaningful English words and should not be related to each other on the basis of number of letters/number of consonants/number of vowels.)

- (1) Bone - Orthopedic  
(2) Uterus - Urologist  
(3) Stomach - Gastroenterologist  
(4) Eye - Ophthalmologist

SSC CGL, 2024

73. Following a certain logic, 16 is related to 112. Following the same logic, 26 is related to 182. Following the same logic, 44 is related to which of the following? (Note: Operations should be performed on whole numbers without breaking the numbers into their constituent digits. For example, operations on 13-13 such as addition/subtraction/multiplying 13 etc. can be performed. Breaking 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not permitted.)

- (1) 308 (2) 312  
(3) 310 (4) 302

SSC CGL, 2024

74. 'Summer' is related to 'season' in the same way as 'cotton' is related to '\_\_\_\_\_'.  
(1) Cloth (2) Cereals  
(3) Dyes (4) Trees

SSC CGL, 2024

75. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

RATE : SCWI :: HIGH : IKJL :: OPEN : ?

- (1) PRIS (2) PQHR  
(3) PSIR (4) PRHR

SSC CGL, 2024

76. Following a certain logic, 8 is related to 512.

Following the same logic, 12 is related to 1728. Following the same logic, 15 is related to which of the following?

(Note: Operations should be performed on whole numbers without breaking the numbers into their constituent digits.)

**For example 13:** Operations on 13 such as addition/subtraction/multiplying 13 etc. can be performed. Breaking 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not permitted.)

- (1) 2275 (2) 2725  
(3) 3375 (4) 3735

SSC CGL, 2024

77. Select the option that is related to the third word in the same way as the second word is related to the first word. (The words should be considered as meaningful English words and the words should not be related to each other in terms of number of letters/number of consonants/number of vowels.)

Acrimony : Humanity :: Wield : ?

- (1) Exert (2) Forgo  
(3) Use (4) Apply

SSC CGL, 2024

78. Select the triplet in which the numbers are related to each other in the same way as the numbers in the following triplet.

8 - 17 - 35

23 - 47 - 95

(Note: Operations should be performed on whole numbers without breaking the numbers into their constituent digits. For example, operations on 13 - 13 such as addition/subtraction/multiplying 13 etc. can be performed. Breaking 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not permitted.)

- (1) 9 - 20 - 41 (2) 12 - 25 - 51  
(3) 13 - 29 - 55 (4) 16 - 32 - 62

SSC CGL, 2024

79. Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

(Note: Operations should be performed on whole numbers without breaking the numbers into their constituent digits. For example, operations on 13 - 13 such as addition/subtraction/multiplying 13 etc. can be performed. Breaking 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not permitted.)

186 : 103

156 : 73

- (1) 83 : 1 (2) 208 : 127  
(3) 119 : 35 (4) 95 : 12

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80. "Lavish" is related to "Austere" in the same way as "Prejudiced" is related to "\_\_\_\_\_". (The words should be considered as meaningful English words and the words should not be related to each other in terms of number of letters/number of consonants/number of vowels.)

- (1) Impartial (2) Compromised  
(3) Thoughtful (4) Careful

SSC CGL, 2024



81. Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

TRAINER : VTCIQHU :: RADIANT : TCFIDQW ::  
CUSHION : ?

- (1) EWUHLRQ (2) FWUHLRQ  
(3) FXUHLRQ (4) EXUHLRQ

SSC CGL, 2024

82. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

OUR : NPTVQS :: BIG : ACHJFH :: FOR : ?

- (1) EGNPQS (2) GENPRS  
(3) EGNOQR (4) GEPNSQ

SSC CGL, 2024

83. Choose the word pair that shows the same relationship as the one expressed in the word pair given below. (The words should be considered as meaningful English words and should not be related to each other on the basis of number of letters/consonants/vowels.)

Calcium : Osteomalacia

- (1) Stomach : Blindness (2) Iron : Anaemia  
(3) Heart : Cardiac (4) Lung : Tuberculosis

SSC CGL, 2024

84. Select the option in which the numbers have the same relationship as in the given number pair. (Note: Operations should be performed on whole numbers without breaking the numbers into their constituent digits. For example, operations such as addition/subtraction/multiplication on 13 can be performed on 13 – 13. Breaking 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not permitted.)

17 : 253

19 : 271

- (1) 21 : 289 (2) 23 : 207  
(3) 31 : 400 (4) 32 : 387

SSC CGL, 2024

85. Choose the word-pair that best represents the same relationship as expressed in the word-pair given below. (The words should be considered as meaningful Hindi words and should not be related to each other on the basis of number of letters/number of consonants/number of vowels in the words.)

Trim : Hair

- (1) Prune : Hedge (2) Crop : Maize  
(3) Clip : Cloth (4) Pluck Flowers : Phool

SSC CHSL, 2024

86. Choose the word-pair that shows the same relationship as the one expressed in the word-pair given below. (The words should be considered as meaningful English words and the words should not be related to each other in terms of number of letters/number of consonants/number of vowels.)

Referee : Ground

- (1) Arbitrator : Deadlock (2) Experimenter : Result  
(3) Judge : Court (4) Gladiator : Ring

SSC CHSL, 2024

87. Select the pair which follows the same pattern as the set of two pairs given below. Both the pairs follow the same pattern

DFG : IKL

MOP : RTU

- (1) PST : KHG (2) WYZ : GIJ  
(3) FHI : EGH (4) TVW : YAB

SSC CHSL, 2024

88. Select the word-pair that best represents the same relationship as expressed in the word-pair given below.

(The words should be considered as meaningful English words and should not be related to each other on the basis of number of letters/consonants/vowels in the word)

Hand : Wrist

- (1) Foot : Ankle (2) Ear : Hair  
(3) Skull : Abdomen (4) Muscle : bone

SSC CHSL, 2024

89. Select the word-pair that best represents the same relationship as expressed in the word-pair given below.

(The words should be considered as meaningful English words and should not be related to each other in terms of number of letters/consonants/vowels in the word.)

Continue - Interrupt

- (1) Safe - Secure (2) Connect - Join  
(3) Cow - Buffalo (4) Atari - General

SSC CHSL, 2024

90. Choose the word-pair that best represents the same relationship as expressed in the word-pair given below.

(The words should be considered as meaningful English words and should not be related to each other on the basis of number of letters/consonants/vowels in the word)

Humble: courteous

- (1) Knowledge : Ignorance (2) Success : Failure  
(3) Clear : Evident (4) Brave : Frightened

SSC CHSL, 2024

91. Select the pair that follows the same pattern as the set of two pairs given below. Both the pairs follow the same pattern.

CJM : FMP

AHL : DKO

- (1) KOQ : PLJ (2) LTV : TVL  
(3) GHA : AHG (4) NRS : QUV

### Answer Key

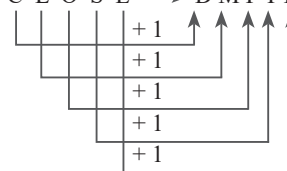
|         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1. (2)  | 2. (2)  | 3. (3)  | 4. (3)  | 5. (1)  | 6. (3)  | 7. (2)  | 8. (3)  | 9. (2)  | 10. (1) |
| 11. (2) | 12. (1) | 13. (2) | 14. (3) | 15. (2) | 16. (3) | 17. (2) | 18. (3) | 19. (3) | 20. (1) |
| 21. (3) | 22. (2) | 23. (2) | 24. (2) | 25. (3) | 26. (3) | 27. (2) | 28. (1) | 29. (2) | 30. (2) |
| 31. (3) | 32. (3) | 33. (3) | 34. (1) | 35. (2) | 36. (4) | 37. (2) | 38. (1) | 39. (2) | 40. (4) |
| 41. (3) | 42. (3) | 43. (3) | 44. (3) | 45. (1) | 46. (1) | 47. (2) | 48. (1) | 49. (4) | 50. (3) |
| 51. (2) | 52. (3) | 53. (2) | 54. (2) | 55. (2) | 56. (1) | 57. (2) | 58. (1) | 59. (4) | 60. (3) |
| 61. (4) | 62. (4) | 63. (3) | 64. (4) | 65. (3) | 66. (2) | 67. (3) | 68. (2) | 69. (1) | 70. (4) |
| 71. (1) | 72. (2) | 73. (1) | 74. (1) | 75. (4) | 76. (3) | 77. (2) | 78. (2) | 79. (4) | 80. (1) |
| 81. (1) | 82. (1) | 83. (2) | 84. (1) | 85. (1) | 86. (3) | 87. (4) | 88. (1) | 89. (4) | 90. (3) |
| 91. (4) |         |         |         |         |         |         |         |         |         |

### Explanations

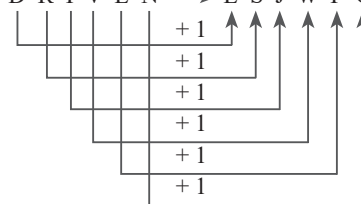
- Just as a director directs a film, similarly a publisher publishes a book.
- Just as gravity is a property of the earth, similarly coldness is a property of ice.
- Just as a group of horses is called a herd, similarly a group of soldiers is called a regiment.
- Just as the unit of electric current is ampere, similarly the unit of pressure is pascal.
- Just as the unit of work is joule, similarly the unit of volume is litre.
- Just as the unit of power is watt, similarly the unit of resistance is ohm.
- Just as plants are studied under botany, similarly birds are studied under ornithology.
- Just as fossils are studied under paleontology, similarly germs are studied under microbiology.
- Just as the synonym of nectar is honey, similarly the synonym of disagreement is conflict.
- Just as jealousy and hatred are related to each other, similarly happiness is related to joy.
- Just as the synonym of stranger is unknown, similarly the synonym of guess is speculation.
- Just as the antonym of peace is unrest, similarly the antonym of knowledge is ignorance.
- Just as the antonym of joy is sadness, similarly the antonym of love is hatred.
- Just as the antonym of grief is happiness, similarly the antonym of joy is sorrow.
- Just as the antonym of meaningful is meaningless, similarly the antonym of humility is pride.
- Just as animals are kept in a zoo, similarly the place where an airplane is kept is called a hangar.
- Just as clothes are kept in a cupboard, similarly a book is kept in a library.

- Just as a car is kept in a garage, similarly the place where fish are kept is called an aquarium.
- Just as temperature is measured by a thermometer, similarly pressure is measured by a barometer.
- Just as blood sugar is measured by a glucometer, similarly blood pressure is measured by a sphygmomanometer.
- Just as the moon is a satellite, similarly Mars is a planet.
- Just as bees buzz, similarly a horse neighs.
- Just as the executive head of the country is the Prime Minister, similarly the executive head of the state is the Chief Minister.

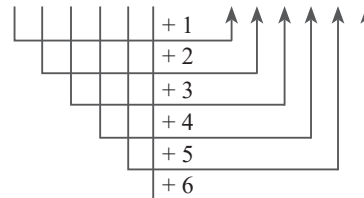
24. Just as, C L O S E → D M P T F



in the same way, D R I V E N → E S J W F O



25. Just as, E X C U S E → F Z F Y X K



in the same way, L A B O U R  $\rightarrow$  M C E S Z X

26. Just as, A D B N  $\rightarrow$  B E C O

in the same way,  
27. Just as, R A C K E T  $\rightarrow$  Q Z B J D S

in the same way, O B J E C T  $\rightarrow$  N A I D B S

28. Just as, G N T R D  $\rightarrow$  F M S Q C

in the same way, N O R M A L  $\rightarrow$  M N Q L Z K

29. Just as, C N L B D  $\rightarrow$  D P O F I

in the same way, A C G K  $\rightarrow$  B E J O

30. Just as, B O M B A Y  $\rightarrow$  O B B M Y A

in the same way, J F L O W E R

31. Just as, C R A D L E  $\rightarrow$  R C D A E L

in the same way, R E S U L T

32. Just as, M O T H E R  $\xrightarrow{\text{reverse order}}$  R E H T O M

in the same way, S O C I A L  $\xrightarrow{\text{reverse order}}$  L A I C O S

33. Just as, M E T A P H O R  $\xrightarrow{\text{reverse order}}$  R O H P A T E M

in the same way,

N U M E R A L  $\xrightarrow{\text{reverse order}}$  L A R E M U N

34. Just as, U N D A T E D  $\xrightarrow{\text{reverse order}}$  D E T A D N U

in the same way,

E C T R O R C  $\xrightarrow{\text{reverse order}}$  C R O R T C E

35. Just as,  $\sqrt{\text{BEF}}$   $\rightarrow$  16

$\sqrt{256}$   $\rightarrow$  16

in the same way,  $\sqrt{\text{CBD}}$   $\rightarrow$  ?

$\sqrt{324}$   $\rightarrow$  18

36. Just as, B 5 C 7  $\rightarrow$  G 10 H 12

in the same way, D 15 B 8  $\rightarrow$  I 20 G 13