Directions for Q1 to Q10: Find the missing term in the series given below.

1. 27, 34, 48, 69, ?, 132, 174
   (a) 97 (b) 98 (c) 101 (d) 104

2. 7, 20, 47, 94, 167, ?
   (a) 236 (b) 256 (c) 272 (d) 292

3. 31, 38, 52, 73, ?, 136, 178
   (a) 111 (b) 101 (c) 109 (d) 102

4. 36, 39, 46, ?, 72, 90
   (a) 67 (b) 55 (c) 57 (d) 50

5. 61, 63, 68, 76, ?, 101
   (a) 87 (b) 85 (c) 95 (d) 89

6. 3, 7, 15, 27, ?, 63
   (a) 39 (b) 37 (c) 43 (d) 41

7. 56, 58, 62, 68, 76, ?
   (a) 80 (b) 82 (c) 72 (d) 86

8. 84, 87, 94, 105, ?, 138
   (a) 120 (b) 116 (c) 110 (d) 119

9. 94, 101, 115, 136, 164, ?
   (a) 186 (b) 196 (c) 199 (d) 189

10. 78, 80, 85, 93, ?, 118
    (a) 104 (b) 106 (c) 101 (d) 107

11. How many such digit are there in the series below which are immediately followed by a digit divisible by 5 and immediately preceded by a digit divisible by 4?
    7 2 4 1 5 9 8 8 6 8 2 5 4 1 3 9
    (a) 2 (b) 1 (c) 4 (d) 3

12. Identify the correct match for the series from the options given below:
    RBRBRBBRRRRRRBRBRBBRBRBRBRBBRBRBBR
    (a) RBRRRBBRRBRBBRBRBRRRRRBRBRBBRRRRBR
    (b) RBRRRBBRRRRRRBRBRBRRRRBRBRBBRBRBBR
    (c) RBRBRBBRRRRRRBRBRBBRBRBRBRBBRBRBBR
    (d) RBRRRBBRRBRBBRBRBRRRRRBRBRBBRBRBBR

13. Study the following arrangement carefully and answer the question given below it.
    Q 2 E 4 3 6 # Z @ ! 8 K P A S % ^ & 1 7 G H $] * < 5 F C M > B V / 0
    What should be come in the place of the question mark(?) in the following series based on the
    6# @! PA &1 (?)
    (a) J* (b) *< (c) $] (d) >*

14. If in a certain code language "CODING" is coded as "OCIDGN", then how would "PUZZLE" be coded in the same language?
    (a) PUDZLE (b) UPZZEL
    (c) PUZZEL (d) UPDZLE

15. If POND is 63 and LAKE is 83, then SEA will be:
    (a) 59 (b) 61 (c) 56 (d) 52

16. If BEACON is coded as WXXZJO. Then the code for the word CAMPUS will be:
    (a) VBLNEJ (b) XBLMDJ
    (c) VBLMDJ (d) VCMLDJ

17. If 'JANUARY' is 'JULY', 'SEPTEMBER' is 'SEPTEMBER, 'FEBRUARY' is 'AUGUST' and 'MARCH' is 'MAY' then 'AUGUST' is:
    (a) ARPIL (b) MAY
    (c) JUNE (d) JULY

18. If in a certain code language "GIRL" is coded as "LNWQ", then how would "BOY" be coded in the same language?
    (a) DGT (b) GDT (c) DTG (d) GTD

19. In a certain code language, if each vowel of the english alphabet is coded as 5……..
    "MANAGEMENT"?
    (a) 4545444544 (b) 4545454544
    (c) 4545454545 (d) 4545455544

20. If certain code language, "ATTRACT" s coded as "CWVUCFV", then how would "POSTURE" be coded in the same code language?
    (a) RRUWVWG (b) RRUVWUG
    (c) RUUWWUG (d) RRUWWUG

21. If in certain code language, "WILLPOWER" is coded as "WRMORLZVV", than how would "AMBIGUOUS" be coded in the same language?
    (a) AODRJFRFW (b) ANCRIFRFW
    (c) AOCRKFSFX (d) ANDRJFSFX

22. If in certain code language, "UNLIFTABLE" is coded as "VPOMGVDFMG", the how would "UPHILLWARD" be coded in the same code language?
    (a) VUTFGHZHIS (b) VRSYUOOESF
    (c) URNKKMZESF (d) VRKMMNZESF

23. Count the number of "O" in the following string.
    OOCOCOCCOCCCOCCCOOOOOOCOOOOCOCOOOO
    (a) 18 (b) 21 (c) 19 (d) 22

Directions for Q24 to Q26: The question given below is followed by two statements numbered I and II. Determine if the statement are, individually or together, sufficient to answer the questions.

24. What is the Cost price of tomatoes?

Statements:

I. Kevin mixes tomatoes and chilies in the ratio 4:7 to make his famous chili sauce.

II. The ratio of price of tomatoes and chilies is 9:4 (per kg) and he earn $\left(\frac{100}{3}\right)$% profit.

(a) Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

(b) Each statements alone is sufficient to answer the question

(c) Only one of the statements, alone, is sufficient to answer the question but another statement is not

(d) Both statements I and II together are sufficient to answer the question asked but neither statement alone is sufficient.

25. Was the discount percentage offered on an item greater than 18%?

Statements:

I. Its marked price was at least \$350, and the profit made was \$100.

II. Its cost price was \$200.

(a) Only one of the statements, alone, is sufficient to answer the questions but other statement is not

(b) Each statement alone is sufficient to answer the question

(c) Statement I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

(d) Both statements I and II together are Sufficient to answer the question asked but neither statement alone is sufficient.

26. Does Ivy make a profit in her business venture?

Statements:

I. In her business venture, Ivy buys 1800 Mountain Bikes at the price of \$1750 each; she sells $\frac{1}{4}^{th}$ of the stock at \$1790 each and $\frac{4}{5}^{th}$ of the remaining lot at 20% profit.

II. In her business Venture Ivy, buys 1700 Mountain bikes at the price of \$1950 each; and sell 190 Mountain bikes at the price of \$1800 each and the remaining bikes at 50% profit.

(a) Both the statement I and II together are sufficient to answer the question asked but neither statement alone is sufficient

(b) Statement I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

(c) Each Statement alone is sufficient to answer the question

(d) Only one of the statements, alone, is sufficient to answer the question but other statement is not

Directions for Q27 and Q28: The statements given below are followed by some conclusion. Assume the statements are true, even if they contradict commonly known facts, and determine the conclusion/s that follow/s from the statements logically.

27. **Statements:**

I. All glasses are pots.

II. No. pot is a ring.

Conclusions:

I. All pots are glasses.

II. No glass is a ring.

(a) Only conclusion II follows

(b) Only conclusion I follows

(c) Both conclusion I and conclusion II follow

(d) Neither conclusion I nor conclusion II follows.

28. **Statements:**

I. All novels are cars.

II. some cars are bands.

Conclusions:

I. All cars are bands.

II. Some bands are novels.

(a) Neither conclusion I nor conclusion II follows.

(b) Both conclusion I and conclusion II follow

(c) Only conclusion II follows

(d) Only Conclusion I follows

29. In the following question, the symbols @, %, #, ! and – are used with the following meanings illustrated.

'M @ N' means 'M is not greater than N'.

'M % N' means 'M is neither greater than nor equal to N'.

'M # N' means 'M is not smaller than N'.

'M ! N' means 'M is neither smaller than nor equal to N'.

'M – N' means 'M is neither smaller than nor greater than N'.

Now assuming the following question the given statements to be true, find which of the given conclusion given below them is/her definitely true and give your answer accordingly.

Statements:

I. M % K

II. K – D

III. D # P

Conclusions:

I. D ! M

II. P % K

III. P – K

(a) Only either conclusion II or conclusion III follow

(b) Only conclusion I, and either conclusion II or conclusion III follow.

(c) Only conclusion II follows.

(d) Only conclusion I follows.

30. There are two statements. There may be cause and effect relationship between them. Or the two statements may be the effect of independent cause. Analyze the statement and choose the correct option.
    1. The performance of the student in 10th board was best in the government school.
    2. A lot of teaching staff from the government schools is shifting to private schools

    (a) If statement 1 is the cause and statement 2 is its effect.
    (b) If the statement 2 is the cause and statement 1 is its effect.
    (c) If both the statement 1 and 2 are independent causes.
    (d) If both the statements 1 and 2 are effects of independent causes.
    (e) If both the statements 1 and 2 are effect of some common cause.

31. If A ? B means A ÷ B,
    A * B means A – B,
    A ^ B means A + B,
    A $ B means A × B,
    A @ B means A < B and
    A & B means A > B, then
    How many of the following statements are true?
    I. (63 ? 3 $ 2) @ (6 $ 5 ^ 10)
    II. (20 ^ 18 $ 2 ? 6) & (50 * 5 $ 10)
    III. (126 ? 7 * 6) & (12 $ 2 *25)
    (a) None (b) Only 1
    (c) 2 (d) All the 3

32. Lovey is twenty first from the left end and Sam is fifteenth from the right end. Suman is thirty – first from the left end of the row. Karan is sixth to the left of Suman. How many people are there in a queue. If Sam is adjacent to Karan and third to the right of Lovey?
    (a) 42 (b) 40 (c) 39 (d) 38

33. In the row of friends, Tiya occupies fifteenth place from the right end and Tina occupies twelfth place from the left end, respectively. Treepti is ninth on the left of Tiya. If Treepti and Tiya interchange their places, then Treepti occupies twentieth place from the left end. How many friends were there between Treepti and Tina originally?
    (a) 15 (b) 12 (c) 0 (d) 3

34. Rohit is sixteenth from the front of the row and adjacent to Rahul, who is three places in front of the Saba. Saba is adjacent to Karim and five places in the front of Rohan who has Rohit at seventh place in front of him. Find the total number of people in the row if there are three people between Rahul and Karim and Karim is twenty third from the back.
    (a) 41 (b) 42 (c) 40 (d) 44

35. Eric, Firdos, Galaxy, Humayun, Ishwar and Johar are six friends and they like different type of Novels to read viz, The Immortal, Mrityunjay, Mission China, Business Impossible, development 2020 and The Bull but not necessarily in the same order. Ishwar is taller than Eric and Humayun and he likes to read Mission China. The tallest among them reads Business Impossible. Firdos likes to read Immortal. The shortest among them reads The Bull. Firdos and Humayun neither read The Bull nor Business Impossible. Galaxy reads The Bull. Ishwar is between Eric and Firdos in order of height. Who among them reads Development 2020?
    (a) Eric (b) Galaxy
    (c) Ishwar (d) Cannot be determined.

Directions for Q36 and Q37: Read the information given below carefully and answer the questions that follow.

Four boxes – X, Y, Z, W, and three files – M, N, O, are kept on a table on after that other in a row …….

I. File O has as many items to its left as to its right.
II. No box is at either end of the row.
III. Box X is kept to the Immediate right of file M, while file O is kept to the immediate left of box Z.

36. What is kept at extreme left of the row on the table?
    (a) M (b) W (c) X (d) N

37. What is kept third from the left of the row on the table?
    (a) Z (b) Y or W (c) X (d) N

Directions for Q38: Read the information given below carefully and answer the questions that follow.

Logan is throwing his birthday party and has invited four of his closest friend to the party. Austin, Cameron, Emerson and Avery (not necessarily in the same order) They all are seated at the bar, all facing North.

The following information is know about their seating arrangement.
1. Logan, the host, is seated in the middle of the bar.
2. Austin and Avery are seated at the either ends.
3. Emerson is seated to the immediate right to Austin.

38. Who is seated at the right end?
    (a) Avery (b) Cannot be Determined
    (c) Cameron (d) Austin

Directions for Q39 to Q41: Read the information given below carefully and answer the questions that follow.

Five families – he Davidsons, the collins, the Evans, the Fords, and the Fishers, decide to have family parties every year spread across distinct months. Each family hosts the party and invites the other four families. The family which hosts the party prepares one of these five cuisines - Scottish, Goan, Japanese, French, and Spanish. The family parties are scheduled in one of these five month – March, September, August, July, and February

and are held on one of these five days – Saturday, Friday, Sunday, Monday and Tuesday. Each of the family serves the food in one of five colours of chinaware – Red, Black, White, Green, and Blue. No two families can have a party scheduled on the same day.

The following information is known about the party schedule for the year 2021.

1. The Collins, who are the second family to host in the year 2021, serve French cuisine.
2. The Fords don't serve Japanese or Spanish Cuisine, and they serve in white chinaware.
3. The Collins don't host party on Tuesday, Saturday or Sunday and the Davidsons weren't the last family to host the party
4. The Davidsons serve Japanese Cuisine in Blue Chinaware on Tuesday and host the party one month before the Evans.
5. The Fishers, who were the first family to host the party, serve Goan cuisine in Black Chinaware .
6. The Fords don't host he party on Saturday or Sunday

39. Which family serves Spanish Cuisine?
(a) The Fords (b) The Fishers
(c) The Collins (d) The Evans

40. If the Evans host the party on a Saturday, Then which of the following Statements is not correct?
(a) The Fishers host the party on a Monday.
(b) The Fishers host the party on a Sunday.
(c) The Fords serve Scottish cuisine.
(d) The Davidsons host the party in July.

41. Which of the following pair is correct?
(a) The Evans – Spanish
(b) The Fishers – February
(c) The Fords – Goan
(d) The Collins – Monday

Directions for Q42: Study the table Carefully and answer the questions that follow.

Six students Nathan, Jack, Steven, Peter, Justin, and James wrote a test which has 50 questions in total. Each correct answer is given 3 marks, while for each wrong answer, two marks are deducted. One marks is deducted for each queston left unanswered. The following table gives all the details.

Student	Attempted	Unattempted	Correct	Total marks
Nathan				69
Jack	31			
Steven			30	
Peter		17		
Justin			23	
James	30			45

42. What is the maximum total Score of Jack?
(a) 74 (b) 83 (c) 81 (d) 93

Directions for Q43 to Q45: Read the information given below and answer the questions that follow.

In a Fifa world cup, each six teams- Russia, Argentina , France, Germany, Belgium, and Brazil.

The following table gives the details of the goals scored and conceded by each team and the total

Team	**Number of wins**	**Goals Scored**	**Goals conceded**
Russia	0	1	6
Argentina	2	5	8
France	4	7	3
Germany	1	3	6
Belgium	5	6	1
Brazil	3	5	3

I. None of the matches were drawn.
II. In the match against Germany, Argentina scored 3 Goals and conceded 2 goals.
III. The total number of goals scored in the match between Belgium and Russia was 3.
IV. The maximum difference between the goals of any two teams in any match was 2

43. How many goals did Argentina score against France?
(a) 0 (b) 1 (c) 2 (d) 3

44. What was the total number of goals scored in the match between Belgium and Brazil?
(a) 4 (b) 5 (c) 1 (d) 2

45. In how many matches is the total number of goals scored by both teams more than 2?
(a) 6 (b) 5 (c) 4 (d) 3