



Shakthii Academy

IBPS Clerk - Preliminary Exam

Held on: 05 -12 -2015

ENGLISH LANGUAGE

Directions (1-5) : Rearrange the following five sentences (A), (B), (C), (D) and (E) in a proper sequence to form a meaningful paragraph, then answer the given questions.

A. The big orange truck was playing music and had bells that chimed repeatedly.

B. When Lisa approached the truck, the man inside it said, "Here you go, young lady, enjoy your ice-cream sandwich."

C. Lisa was amazed and said "What a brilliant idea this is; don't wait for your customers to come to you go out and find them!"

D. Several people attracted by the bells were walking up to it and speaking to a man who stood inside it.

E. One day, Lisa walked to the front of her house and was surprised to see a big orange truck on the street.

1. Which of the following should be the **SECOND** sentence after the rearrangement ?

- (1) A (2) B (3) C (4) D (5) E

ANS: (1)

2. Which of the following should be the **FIRST** sentence after the rearrangement ?

- (1) A (2) B (3) E (4) D (5) C

ANS: (3)

3. Which of the following should be the **FOURTH** sentence after the rearrangement ?

- (1) A (2) B (3) C (4) E (5) D

ANS: (2)

4. Which of the following should be the **THIRD** sentence after the rearrangement ?

- (1) A (2) B (3) C (4) D (5) E

ANS: (4)

5. Which of the following should be the **LAST (FIFTH)** sentence after the rearrangement ?
(1) A (2) E (3) C (4) D (5) B

ANS: (3)

Directions (6-13) : Read the following passage carefully and answer the questions given. Certain words/phrases have been given in **bold** to help you locate them while answering some of the questions.

A long time ago, there lived a gardener. He was hardworking and honest. He had planted different types of flowers and vegetables in his garden. He had a younger brother, who was foolish and lazy. He would never help the gardener in his work. Instead, he would say, "There is no need to work so hard. Brother! Nature will take care of itself."

Once it so happened that the gardener had to go to a nearby town for a week. "Please water the plants and trees in my absence!" said the gardener to his younger brother. "Some plants need to be watered daily while some others only on alternate days", the gardener explained. But his words fell on deaf ears. The gardener left for the town. Now the lazy brother thought, "Why should I **bother** about these plants and trees? My brother is away and he wouldn't know whether I am watering his garden or not." Then, he went to sleep as usual.

Two days had passed. Now the small plants had started dying up. The lazy fellow glanced at them and laughed. "Hahaha ! Poor dumb plants! They cannot even complain to my brother that I am not watering them!" After a week, when the gardener returned, he was shocked to see the **miserable** condition of his garden. Most of the plants had died, the climbers had dried and the trees looked diseased. "So it seems you didn't water the plants", he yelled at his lazy brother. "I did. But the plants were of bad quality, so they died!" said the lazy brother.

The gardener knew that it was of no use talking to his brother. So he cleaned his garden and nursed the diseased trees. He then went to the market and brought some seeds. When his brother saw him preparing to sow the seeds, he came near him. "And that's it. Brother! Don't tell you that nature takes care of itself ? See those seeds! You will sow them and once again your garden will be ready as green as ever." "You are right," said the gardener. "But have you ever thought about where these seeds come from ?" "From the market, of course!" replied his brother. "And how did they reach the market ?" the gardener asked again. This time his brother had no reply, "E;; uuup uhm!" he kept searching for words. "TE tell you!" said the gardener. "The seeds also come from the plants and trees. If we don't take proper care of the plants, the seeds too will die. And a day will come when there will be no new seeds to sow. How will you grow plants then ? And how will you get vegetables and fruits? Just think! Won't you die of hunger?"

"Oh, I never thought that way!" the gardener's brother shrieked. "It's true that nature takes care of itself. And it cares for us too. That's why it has given us seeds. A small seed contains the biggest secret of nature. All that we need to do is to unfold that secret. It has so much power in it. It can make a beautiful tree, with flowers and fruits and more seeds." Explained the gardener. Now his brother realised his mistake. From that day on, he was not lazy anymore. He started helping his brother in **nurturing** the plants and trees. He was now well **aware** of the secret of nature.

6. Which of the following statements is true in the context of the story ?

- (1) The gardener's brother was two years elder to him.
- (2) Before leaving for the town, the gardener knew his brother would fail to complete the task assigned to him.
- (3) The gardener's brother was jealous of him since childhood.
- (4) The gardener did not explain how to take care of his plants because of which his plants died.
- (5) None of the given statements is true

ANS: (5)

7. Choose the word which is most nearly the **OPPOSITE** in meaning to the word 'AWARE' as used in the passage ?

- (1) Absent
- (2) Short
- (3) Ignorant
- (4) Knowing
- (5) Agree

ANS: (3)

8. Which of the following correctly explains the meaning of the phrase, 'fell on deaf ears' as used in the story ?

- (1) were heard and accepted
- (2) were ignored
- (3) fell head first
- (4) were deafeningly loud
- (5) were too soft

ANS: (2)

9. As mentioned in the story, the gardener had to go to a town nearby because.....

- (1) he wanted to get a different variety of seeds.
- (2) he wished to visit one of his old friends.
- (3) his parents were unwell and he went to visit them.
- (4) he wanted to build a house for his brother.
- (5) Not clearly mentioned in the story

ANS: (5)

10. Which of the following is most nearly the **OPPOSITE** in meaning to the word 'NURTURING' as used in the passage ?

- (1) Starving
- (2) Believing
- (3) Supplying
- (4) Dieting
- (5) Watering

ANS: (1)

11. Which of the following is most nearly the **SAME** in meaning to the word 'MISERABLE' as used in the passage ?

- (1) Bankrupt
- (2) Cherished
- (3) Poor
- (4) Denial
- (5) Scanty

ANS: (3)

12. As mentioned in the story, the gardener's brother discouraged his brother from taking care of his garden because.....

A. he did not want his brother to struggle so much.

B. he was planning to hire a servant for his brother.

C. for him, it was a futile effort.

- (1) Only (A)
- (2) Both (A) and (B)
- (3) Only (B)
- (4) Only (C)
- (5) Both (B) and (C)

ANS: (4)

13. Which of the following characteristics of the gardener's brother comes across distinctly at the end of story ?

- (1) He started respecting his parents.
- (2) He became violent.
- (3) His hatred towards his brother amplified.
- (4) He became depressed.
- (5) He became sensitive towards nature.

ANS: (5)

14. Which of the following is most nearly the **SAME** in meaning to the word '**BOTHER**' as used in the passage ?

- (1) Worry
- (2) Content
- (3) Apprehend
- (4) Doubt
- (5) Kin

ANS: (1)

15. Which of the following can be an appropriate title for the story ?

- (1) Too Late to Repair the Damage
- (2) The Jealous Brother
- (3) The Idle Gardener
- (4) The Secret of Nature
- (5) The Fate of Disappearing Plants

ANS: (3)

Directions (16-20) : Read the sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. Select the part with the error as your answer. If there is no error, select 'No error' as your answer, (Ignore the errors of punctuation, if any).

16. There was once a gardener who look care of the king's garden.

- (1) There was
- (2) once a gardener
- (3) who look care
- (4) of the king's garden.
- (5) No error

ANS: (5)

17. By and by, the fox comes to a stream that ran through the forest, and quenched his thirst.

- (1) By and by, the fox
- (2) comes to a stream
- (3) that ran through the forest
- (4) and quenched his thirst.
- (5) No error

ANS: (2)

Use "come" in place of "comes".

18. The giant entered the forest at night when all the animals were asleep.

- (1) The giant entered
- (2) the forest at night
- (3) when all the
- (4) animals were asleep
- (5) No error

ANS: (4)

Use "sleeping" in place of "asleep".

19. The ant realise that a pigeon sitting on the tree had dropped a leaf into the water to save him.
(1) The ant realise that (2) a pigeon sitting on the tree (3) had dropped a leaf
(4) into the water to save him. (5) No error

ANS: (1)

Use "realised" in place of "realise"

20. While trying to pick up the few fallen ones, the monkey dropped almost all the fruits encased his hands.

(1) While trying to pick up (2) the few fallen ones (3) the monkey dropped almost
(4) all the fruits encased his hands. (5) No error

ANS: (2)

Directions (21-25) : In these questions, a sentence with four words in **bold** type is given. One of these four words given in bold may be either wrongly spelt or inappropriate in the context of the sentence. Find out the word which is wrongly spelt or inappropriate. That word is your answer. If all the words given in bold are correctly spelt and also appropriate in the context of the sentence, mark 'All correct' as your answer.

21. Leaders and **mangers** must **communicate** well with **employees**, customers, investors and society as a **whole**.

(1) mangers (2) communicate (3) employees (4) whole
(5) All correct .

ANS: (1)

22. The government will **push** through economic reforms once the **knew financial** year **begins**.

(1) push (2) knew (3) financial (4) begins (5) All correct

ANS: (2)

23. Committees have been asked to **dispoze** of all grievance **petitions within** the next **fortnight**.

(1) dispoze (2) petitions (3) within (4) fortnight (5) All correct

ANS: (1)

24. **Generally** gift cards do not **allow** a cash refund and have a **validitie period**.

(1) Generally (2) allow (3) validitie (4) period (5) All correct

ANS: (3)

25. **Printing** money to boost the economy is a **threat** to **financial stablyty**.

(1) Printing (2) threat (3) financial (4) stablyty (5) All correct

ANS: (4)

Directions (26-30) : In the given passage, there are blanks, each of which has been numbered. Against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

Once upon a time there lived a spider named Anansi who gifted a pot of wisdom to share among all the creatures of the world. But Anansi was unwilling to share it with anybody and decided to ...(26)... the pot at the top of a tall tree. With the pot at his waist in front, it was ...(27)... for Anansi to climb. Seeing his father's awkward ascent, Anansi's son was ...(28)... and advised him 'Father, why don't you carry the pot on your back ...(29)...?' Anansi did so and found it easy to scale the tree. He ...(30)... that though he had a pot of wisdom he lacked common sense. Angry at himself he threw the pot down where it broke into pieces and wisdom scattered among all the creatures.

26. (1) disappear (2) vanish (3) hide (4) observe (5) unearth

ANS: (3)

27. (1) tired (2) difficult (3) challenge (4) risk (5) safely

ANS: (2)

28. (1) laughing (2) worrying (3) anxiously (4) busy (5) amused

ANS: (2)

29. (1) tied (2) alternative (3) subsequent (4) instead (5) perhaps

ANS: (4)

30. (1) realised (2) achieved (3) recognise (4) aware (5) understand

ANS: (1)

QUANTITATIVE APTITUDE

31. Six years from now, the average of Monu's age that time and Ninu's age that time will be 29 years. Five years ago, if the respective ratio between Monu's age and Ninu's age that time was 11: 7, what is Ninu's present age ?

(1) 17 years (2) 33 years (3) 27 years (4) 19 years (5) 22 years

ANS: (4)

Let Monu' present age = x years

Ninu's present age = y years

According to question,

$$M + 6 + N + 6 = 29 \times 2$$

$$\Rightarrow M + N = 58 - 12$$

$$\Rightarrow M + N = 46 \quad \dots\dots(i)$$

$$\frac{M - 5}{N - 5} = \frac{11}{7}$$

$$\Rightarrow 7M - 35 = 11N - 55$$

$$\Rightarrow 7M - 11N = 35 - 55$$

$$\Rightarrow 7M - 11N = -20 \quad \dots\dots(ii)$$

By solving equations (i) and (ii). we get

$$M = 27, N = 19$$

\therefore Ninu's present age = 19 years

32. Rahim spends 60% of his monthly salary on rent, EMI and miscellaneous expenses in the respective ratio of 2 : 1 : 3. If he spends a total of Rs. 16,050/- on the rent and EMI together, how much is his monthly salary ?

- (1) Rs. 50,300/- (2) Rs. 49,600/- (3) Rs. 46,750/- (4) Rs. 53,500/-
(5) Rs. 55,000/-

ANS: (4)

Let Rahim spends his salary on rent = $2x$

Rahim spends his salary on EMI = x

Rahim spends his salary on miscellaneous expenses = $3x$

According to question,

$$2x + x = 16050$$

$$\Rightarrow 3x = 16050$$

$$\Rightarrow x = \text{Rs } 5,350/-$$

$$\therefore \text{Rahim's monthly salary} = 5350 \times 6 \times \frac{100}{60}$$

$$= \text{Rs } 53,500/-$$

33. There are seven t positive observations. Average of the first four observations is 11 and of the last four observations is 8. If the average of these seven observations is 9, what is the fourth observation ?

- (1) 13 (2) 15 (3) 9 (4) 11 (5) 17

ANS: (1)

$$\text{Required observation} = 4 \times 11 + 4 \times 8 - 7 \times 9 = 44 + 32 - 63 = 13$$

34. Prem invested certain sum in Scheme A, which offers simple interest at the rate of 8% p.a. for 4 years. He also invested Rs. 2,000/- in Scheme B, which offers compound interest (compounded annually) at 20% p.a. for 2 years. If the interest earned from Scheme A is $\frac{17}{11}$ th of the interest from Scheme B, what is the sum invested in Scheme A ?

- (1) Rs. 4,000/- (2) Rs. 3,000/- (3) Rs. 4,500/- (4) Rs. 4.250/-
(5) Rs. ANS: (4)

Let the sum invested in Scheme A = Rs x

According to question,

$$\frac{X \times 8 \times 4}{100} = \frac{17}{11} \times 2000 [(1 + 20/100)^2 - 1]$$

$$\Rightarrow \frac{X \times 8 \times 4}{100} = \frac{17}{11} \times 2000 \times [36/25 - 1]$$

$$\Rightarrow \frac{X \times 8}{20} = \frac{17}{11} \times 2000 \times \frac{11}{25}$$

$$\Rightarrow x = \text{Rs } 4,250/-$$

35. Two trains started running from the same point at the same time in opposite directions (one towards North and other towards South). The speed of the two trains is 22 m/sec and 8 m/sec respectively. How much time will they take to be 378 km apart ?

(1) 3 hour 30 min

(2) 3 hour 20 min

(3) 4 hour 30 min

(4) 4 hour 45 min

(5) 3 hour 45 min

ANS: (1)

$$\text{Required time} = \frac{378 \times 5}{(22 + 8) \times 18} = \frac{378 \times 5}{30 \times 18}$$

$$= \frac{21}{6} = 3 \frac{1}{2}$$

$$= 3 \text{ hour } 30 \text{ min}$$

36. $\frac{2}{7}$ th of a number is two less than $\frac{1}{2}$ of another number. If the sum of the two numbers is 15, what is their product ?

(1) 72

(2) 64

(3) 54

(4) 63

(5) 56

ANS: (5)

Let the first number = x

Second number = y

According to question,

$$\frac{y}{2} - \frac{2x}{7} = 2$$

$$7y - 4x = 28 \quad \dots\dots(i)$$

$$x + y = 15 \quad \dots\dots(ii)$$

By solving equations (i) and (ii), we get

$$x = 7, y = 8$$

$$\therefore \text{Required product} = x \times y = 7 \times 8 = 56$$

Directions (37-46) : What will come in place of question mark (?) in the given questions.

37. $9^2 \times 7^2 \div \sqrt{441 - 64} = 5^?$

- (1) 4 (2) 2 (3) 5 (4) 6 (5) 3

ANS: (5)

$$\begin{aligned} 9^2 \times 7^2 \div \sqrt{441 - 64} &= 5^? \\ \Rightarrow 81 \times 49 \div 21 - 64 &= 5^? \\ \Rightarrow 3969 \div 21 - 64 &= 5^? \\ \Rightarrow 189 - 64 &= 5^? \\ \Rightarrow 125 &= 5^? \\ \Rightarrow 5^3 &= 5^? \\ \Rightarrow ? &= 3 \end{aligned}$$

38. $(\frac{4}{5} + 1\frac{7}{8} + \frac{5}{8})$ of ? = 759

- (1) 290 (2) 210 (3) 270 (4) 230 (5) 250

ANS: (4)

$$\begin{aligned} (\frac{4}{5} + 1\frac{7}{8} + \frac{5}{8}) \text{ of } ? &= 759 \\ \Rightarrow (\frac{4}{5} + \frac{15}{8} + \frac{5}{8}) \times ? &= 759 \\ \Rightarrow \frac{(32 + 75 + 25)}{40} \times ? &= 759 \\ \Rightarrow \frac{132}{40} \times ? &= 759 \\ \Rightarrow ? &= \frac{7590}{33} \\ \Rightarrow ? &= 230 \end{aligned}$$

39. $(0.6 \times 450) \div 5 = 2 \times 3^?$

- (1) 3 (2) -3 (3) -2 (4) -1 (5) 2

ANS: (1)

$$\begin{aligned} (0.6 \times 450) \div 5 &= 2 \times 3^? \\ \Rightarrow 270 \div 5 &= 2 \times 3^? \\ \Rightarrow 54 &= 2 \times 3^? \\ \Rightarrow 27 &= 3^? \\ \Rightarrow 3^3 &= 3^? \\ \Rightarrow ? &= 3 \end{aligned}$$

$$40. \sqrt{2601} + \sqrt{169} = 8^{12-?}$$

- (1) 10 (2) 9 (3) 8 (4) 7 (5) 6

ANS: (1)

$$\sqrt{2601} + \sqrt{169} = 8^{12-?}$$

$$\Rightarrow 51 + 13 = 8^{12-?}$$

$$\Rightarrow 64 = 8^{12-?}$$

$$\Rightarrow (8)^2 = 8^{12-?}$$

$$\Rightarrow 2 = 12 - ?$$

$$\Rightarrow ? = 10$$

$$41. (125.5 + 242.75 + ?) \times \frac{6}{7} = 480$$

- (1) 191.75 (2) 172.75 (3) 219.75 (4) 189.25 (5) 211.25

ANS: (1)

$$(125.5 + 242.75 + ?) \times \frac{6}{7} = 480$$

$$\Rightarrow 368.25 + ? = 80 \times 7$$

$$\Rightarrow ? = 560 - 368.25$$

$$\Rightarrow ? = 191.75$$

$$42. (\sqrt{121} \times 5 + 133 - 657) = ?$$

- (1) 4 (2) 6 (3) 3 (4) 5 (5) 9

ANS: (5)

$$\sqrt{121} \times 5 + 133 - 657 = ?$$

$$\Rightarrow \sqrt{605} + 133 - 657 = ?$$

$$\Rightarrow \sqrt{738} - 657 = ?$$

$$\Rightarrow \sqrt{81} = ?$$

$$\Rightarrow 9 = ?$$

$$43. 45\% \text{ of } 360 + 288 = ? \% \text{ of } 750$$

- (1) 65 (2) 60 (3) 70 (4) 75 (5) 65

ANS: (2)

$$45\% \text{ of } 360 + 288 = ? \% \text{ of } 750$$

$$\Rightarrow \frac{45}{100} \times 360 + 288 = \frac{?}{100} \times 750$$

$$\Rightarrow 162 + 288 = ? \times \frac{5}{12}$$

$$\Rightarrow 450 = ? \times \frac{15}{2}$$

$$\Rightarrow ? = 60$$

44. $? + (8\frac{1}{7} \times 6\frac{5}{19}) = 5^3$
 (1) 56 (2) 66 (3) 64 (4) 91 (5) 74

ANS: (5)

$$? + (8\frac{1}{7} \times 6\frac{5}{19}) = 5^3$$

$$\Rightarrow ? + (\frac{57}{7} \times \frac{119}{19}) = 5^3$$

$$? + 17 \times 3 = 125$$

$$? = 125 - 51$$

$$? = 74$$

45. 35% of 580 + 70% of ? = 441
 (1) 380 (2) 340 (3) 360 (4) 320 (5) 280

ANS: (2)

$$35\% \text{ of } 580 + 70\% \text{ of } ? = 441$$

$$\Rightarrow \frac{35}{100} \times 580 + \frac{70}{100} \times ? = 441$$

$$\Rightarrow 203 + \frac{7}{10} \times ? = 441$$

$$\Rightarrow \frac{7}{10} \times ? = 238$$

$$\Rightarrow ? = 34 \times 10$$

$$\Rightarrow ? = 340$$

46. $(0.6 + 0.4 + 10)(0.8 - 0.4 + 10) = ?$
 (1) 143.8 (2) 114.8 (3) 114.4 (4) 114 (5) 134.4

ANS: (2)

$$(11)(10.4) = ?$$

$$? = 114.4$$

47. The selling price of 16 chairs is equal to the selling price of 6 tables. If the total selling price of 5 chairs and 3 tables together is Rs.780/-, what is the total selling price of 2 chairs and 1 table together ?

- (1) Rs.220/- (2) Rs. 260/- (3) Rs. 280/- (4) Rs. 360/- (5) 160/-

ANS: (3)

48. The sum of two positive numbers is 630. If 75% of the first number is equal to 60% of the second number, what is the larger number among the two ?

- (1) 350 (2) 300 (3) 250 (4) 400 (5) 450

ANS: (1)

49. A boat can travel 10.2 km upstream in 51 min. If the speed of the water current is 1/5th of the speed of the boat in still water, how much distance (in km) the boat can travel downstream in 48 min ?

- (1) 14.8 (2) 15.6 (3) 15.2 (4) 17.4 (5) 14.4

ANS: (5)

50. A started a business by investing Rs. 4,200/- and after 2 months B joined by investing Rs. 3,000/-. At the end of 4 months from the start of the business, C joined with an investment of Rs. 6,000/-. At the end of 10 months from the start of the business, A added an additional amount of Rs. 1,800/-. If A's share in the annual profit was Rs. 1,620/-, what was the total annual profit ?

- (1) Rs. 3,960/- (2) Rs. 3,080/- (3) Rs. 4,070/- (4) Rs. 3,320/-
(5) Rs.4,180/-

ANS: (1)

Ratio of money invested by A, B and C = $(4200 \times 10 + 6000 \times 2) : (3000 \times 10) : 6000 \times 8$
 $= (42000 + 12000) : 3000 \times 10 : 6000 \times 8$
 $= 54:30:48 = 9:5:8$

\therefore Total annual profit = $1620 \times \frac{(9 + 5 + 8)}{9}$
 $= 180 \times 22 = \text{Rs } 3,960/-$

51. A and B can independently finish a piece of work in 36 days and 45 days respectively. They started working together and after few days A left. After that B could finish the remaining work in 36 days. After how many days of working together A left ?

- (1) 4 (2) 5 (3) 3 (4) 9 (5) 7

ANS: (1)

Suppose, A left the work after x days.

According to question,

$$\frac{x}{36} + \frac{x+36}{45} = 1$$

$$\Rightarrow \frac{5x + 4x + 144}{180} = 1$$

$$\Rightarrow 9x + 144 = 180$$

$$\Rightarrow 9x = 180 - 144$$

$$\Rightarrow 9x = 36$$

$$\Rightarrow x = 4 \text{ days}$$

52. The perimeter of an equilateral triangle is 21 m more than perimeter of a square. If the respective ratio between the side of the triangle and the side of the square is 9 : 5, what is the area of the square ? (in m²)

- (1) 25 (2) 225 (3) 625 (4) 144 (5) 81

ANS: (2)

Let the side of the triangle = 9x metre

Side of the square = 5x metre

According to question,

$$3 \times 9x - 4 \times 5x = 21$$

$$\Rightarrow 27x - 20x = 21$$

$$\Rightarrow 7x = 21$$

$$\Rightarrow x = 3$$

$$\begin{aligned} \therefore \text{Area of the square} &= (5x)^2 = 25x^2 \\ &= 25 \times (3)^2 = 25 \times 9 \\ &= 225\text{m}^2 \end{aligned}$$

53. A circular copper wire of radius 35 cm is bent to form a rectangle. If the length of the rectangle is more than the breadth of the rectangle by 26 cm, what is the length of the rectangle ? (in cm)

- (1) 72 (2) 64 (3) 76 (4) 62 (5) 68

ANS: (5)

Let the breadth of the rectangle = x cm

Length of the rectangle = (x + 26) cm

According to question,

$$2 \times \pi \times 35 = 2(x + x + 26)$$

$$\Rightarrow 2 \times \frac{22}{7} \times 35 = 2(2x + 26)$$

$$\Rightarrow 110 = 2x + 26$$

$$\Rightarrow 2x = 84$$

$$\Rightarrow x = 42$$

∴ Length of the rectangle = $42 + 26 = 68$ cm

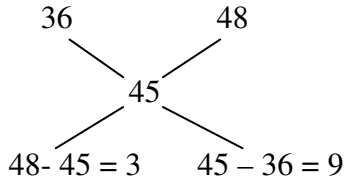
54. In what respective ratio, rice of variety A worth Rs. 36/- must be mixed with rice of variety B worth Rs.48/-, so that the new mixture (of both the varieties- A and B) is worth Rs. 45/- ?

- (1) 1 : 3 (2) 3 : 4 (3) 4 : 5 (4) 1 : 2 (5) 3 : 2

Variety A Variety B

ANS: (1)

Variety A Variety B



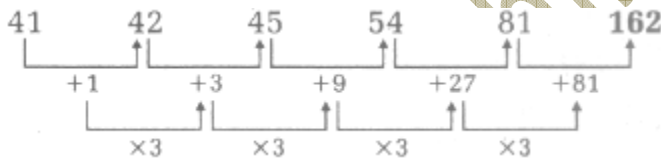
∴ Required ratio = $3 : 9 = 1 : 3$

Directions (55-59) : What will come in place of question mark (?) in the given number series ?

55. 41 42 45 54 81 (?)

- (1) 194 (2) 162 (3) 134 (4) 146 (5) 112

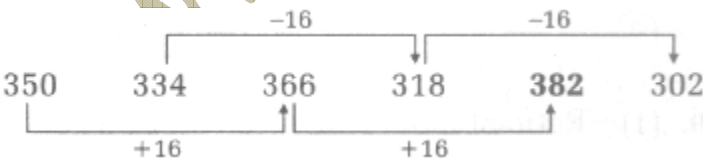
ANS: 2



56. 350 334 366 318 (?) 302

- (1) 382 (2) 395 (3) 376 (4) 354 (5) 422

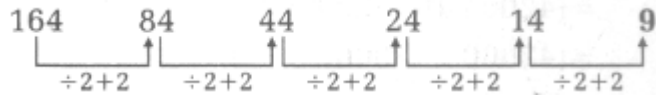
ANS: 1



57. 164 84 44 24 14 (?)

- (1) 7 (2) 4 (3) 5 (4) 9 (5) 6

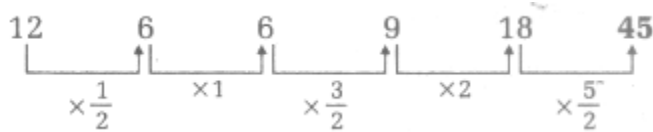
ANS: 4



58. 12 (?) 6 9 18 45

- (1) 5 (2) 6 (3) 2 (4) 4 (5) 3

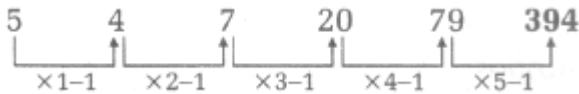
ANS: 2



59. 5 4 7 20 79 (?)

- (1) 288 (2) 394 (3) 265 (4) 256 (5) 192

ANS: 2



60. The profit earned by selling an article for Rs.590/- is double the loss incurred when the same article is sold for Rs.245/-, what would be the selling price of the article, if it is sold at 20% profit ?

- (1) Rs.432/- (2) Rs. 436/- (3) Rs.424/- (4) Rs. 415/-
 (5) Rs. 445/-

ANS: (1)

Let the cost price of the article = Rs x

According to question,

$$590 - x = 2(x - 245)$$

$$\Rightarrow 590 - x = 2x - 490$$

$$3x = 1080 \Rightarrow x = \text{Rs } 360/-$$

$$\therefore \text{Required selling price} = 360 \times \frac{120}{100} = \text{Rs } 432/-$$

Directions (61-65) : Study the table and answer the given questions.

Number of members in 5 health clubs during 5 given years

Health Club	Year				
	2007	2008	2009	2010	2011
A	145	119	136	140	238
B	177	124	128	185	128

C	116	132	139	112	164
D	145	118	154	135	89
E	127	126	218	101	112

61. What is the difference between total number of members in health clubs A and B together in 2007 and that in health club D and E together in 2011 ?

- (1) 131 (2) 123 (3) 121 (4) 127 (5) 133

ANS: (3)

$$\text{Required difference} = (145 + 177) - (89 + 112) = 322 - 201 = 121$$

62. If 44% of the total number of members in health clubs A, B and C together in 2008 are males, what is the total number of male members in health clubs A, B and C together in 2008 ?

- (1) 155 (2) 170 (3) 160 (4) 165 (5) 175

ANS: (4)

Total number of male members in health club A, B and C together in 2008

$$= (119 + 124 + 132) \times \frac{44}{100}$$

$$= 375 \times \frac{44}{100} = 165$$

63. Number of members in health club A increased by what percent from 2009 to 2011 ?

- (1) 55% (2) 80% (3) 65% (4) 50% (5) 75%

ANS: (5)

$$\begin{aligned} \text{Required increased percentage} &= \frac{238 - 136}{136} \times 100 \\ &= \frac{10200}{136} = 75\% \end{aligned}$$

64. What is the average number of members in health club B, C and D in 2010 ?

- (1) 132 (2) 126 (3) 122 (4) 144 (5) 128

ANS: (4)

$$\begin{aligned} \text{The average number of members in health club B, C and E in 2010} &= \frac{185 + 112 + 135}{3} \\ &= \frac{432}{3} = 144 \end{aligned}$$

65. What is the respective ratio between total number of members in health club C in 2007 and 2009 together and that in health club E in the same years together ?

- (1) 17 : 23 (2) 19 : 23 (3) 19 : 21 (4) 21 : 23 (5) 17 : 21

ANS: (1)

Required ratio = $(116 + 139) : (127 + 218) = 255 : 345 = 17 : 23$

REASONING ABILITY

Directions (66 -70) : In these questions, a group of number/symbol followed by five combinations of inter codes is given. You have to find out which of the combinations correctly represents the group of number/ symbol based on the given coding system and the conditions and mark that combination as your answer:

Number/ Symbol	4	@	5	^	+	2	7	8	&	#	%	δ	3	\$	9
Letter Code	H	D	A	T	U	E	M	L	P	Z	B	K	X	G	Y

Conditions :

- I. If the first and the last elements are symbols then their codes are to be interchanged.
- II. If a symbol is immediately followed as well as immediately preceded by a number then that symbol is to be coded as '1'.
- III. If the last element is an odd number then the second element is to be coded as the code of the odd number.
- IV. If the third element is an even number then the code of that even number is to be interchanged with the code of first element.

(Please Note : All the elements have to be counted from left to right to fulfil the conditions.)

66. # @ 3 + 4 2

- (1) ZDX1HE (2) EDKUHZ (3) ZKE1DH (4) EDK1HZ
(5) EDUXHZ

ANS: (1)

@ 3 + 4 2
↓ ↓ ↓ ↓ ↓ ↓
Z D X 1 H E

67. 8 ^ @ 5 δ 7

- (1) LMDAKM (2) LTMAKM (3) DTLAKM (4) LMKDAM
(5) DTLKAM

ANS: (1)

8 ^ @ 5 δ 7
↓ ↓ ↓ ↓ ↓ ↓

L M D A K M

68. @32

(1) EXDPZL

(2) EZDPXL

(3) XEDZ1L

(4) XLEZPL

(5) ZLEXPL

ANS: (1)

@	3	2	&	#	8
↓	↓	↓	↓	↓	↓
↓	↓	↓	↓	↓	↓
E	X	D	P	Z	L

69. @97&^δ

(1) LYDPTK

(2) DY1PTK

(3) KYMPTD

(4) DYL1TK

(5) LPDYTK

ANS: (3)

@	9	7	&	^	δ
↓	↓	↓	↓	↓	↓
↓	↓	↓	↓	↓	↓
K	Y	M	P	T	D

70. \$452#%

(1) GH1EZB

(2) GHA1EZ

(3) BHZEAG

(4) BHAEZG

(5) AHGEZB

ANS: (4)

\$	4	5	2	#	%
↓	↓	↓	↓	↓	↓
↓	↓	↓	↓	↓	↓
B	H	A	E	Z	G

71. In a certain code language, 'avoid going out' is coded as '319'. Similarly 'going for party' is coded as '612' and 'out for party' is coded as '362'. What will be the code for 'party' in the given code language ?

(1) 3

(2) 1

(3) 9

(4) Either '3' or '1'

(5) Either '2' or '6'

ANS: 5

avoid (going) out → 3 ① 9

(going) for party → 6 ① 2

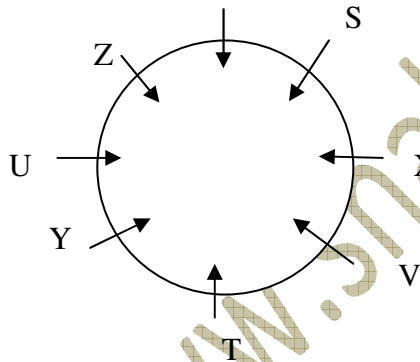
out for party → 3 6 2

Directions (72-76) : Study the following information carefully and answer the given questions, S, T, U, V, W, X, Y and Z are sitting around a circular table facing the centre but not necessarily in the same order. S sits third to the right of T. Only three people sit between U and X. U is neither an immediate neighbour of S nor T. Only three people sit between T and W. Z sits to the immediate right of W. V sits third to the left of W.

72. How many people are seated between S and Z, when counted from the right of S ?

- (1) None (2) Two (3) Four (4) Three (5) One

Ans. (72-76) : W



ANS: 5

73. Who amongst the following represent the immediate neighbours of S ?

- (1) X, Y (2) X, Z (3) W, Y (4) W, X (5) V, Y

ANS: 4

74. Who among the following sits second to the left of Y ?

- (1) U (2) X (3) W (4) Z (5) S

ANS: 4

75. Four of the following five are alike in a certain way based on their positions in the given arrangement and so form a group. Which is the one that does not belong to the group ?

- (1) UYV (2) TVY (3) SWU (4) XSZ (5) VXW

ANS: 2

76. Which amongst the following is true regarding V, as per the given arrangement ?

- (1) None of the given statements is true
(2) Only three people sit between V and S
(3) U sits second to the right of V
(4) V sits second to the right of Y
(5) Only two people sit between V and Z

ANS: 4

Directions (77-79) : Study the given information carefully to answer the given questions.

Five cars P, Q, R, S and T- each have a different mileage. P has more mileage than only one car. Both Q and T have more mileage than P but less than S. Q has more mileage than R but less than T. The car which has the highest mileage runs for 22 km/litre. The car which has the third lowest mileage runs for 19 km/litre.

77. Which amongst the following cars has the highest mileage ?

- (1) S (2) Q (3) Cannot be determined (4) T (5) R

Ans. (77-78) :

S > T > Q > P > R
↓ ↓
22 km/litre 19 km/litre

ANS: 1

78. If the difference between the mileage of R and Q is of 4 km/litre, then what is the mileage of R ?

- (1) 23 km/litre (2) 21 km/litre (3) 18 km/litre (4) 15 km/litre
(5) 12 km/litre

ANS: (4)

Let the mileage of R is x km/litre.

According to question,

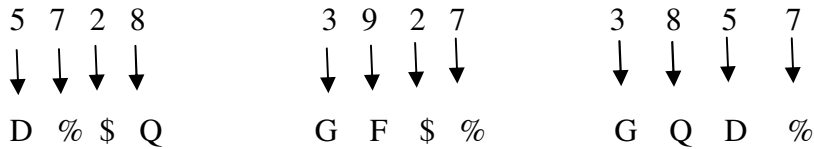
$$19 - x = 4$$

$$x = 15 \text{ km/litre}$$

79. In a code language '5728' is written as 'D%\$Q', '3927' is written as 'GF\$%', how is '3857' written in that code ?

- (1) GQD% (2) G\$D% (3) D%G\$ (4) D\$%G (5) None of these

ANS: 2



Directions (80- 84) : In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and

Give answer :

- (1) If **only** conclusion **I** is true
- (2) If **neither** conclusion **I** **nor** **II** is true
- (3) If **both** conclusions **I** and **II** are true
- (4) If **only** conclusion **II** is true
- (5) If **either** conclusion **I** **or** **II** is true

80. **Statements :** $Q \leq U < I \leq C = K$

Conclusions : I. $U > K$

II. $Q < C$

ANS: (4)

$Q \leq U < I \leq C = K$

Conclusions : I. $U > K \rightarrow$ False

II. $Q < C \rightarrow$ True

81. **Statements:** $T=A < X \leq S; E < X$

Conclusions : I. $T < S$

II. $T > E$

ANS: (1)

$T = A < X \leq S; E < X$

$T = A < X > E$

$E < X \leq S$

Conclusions : I. $T < S \rightarrow$ True

II. $T > E \rightarrow$ False

82. **Statements:** $H \geq Y \geq P = E > R$

Conclusions : I. $E \leq H$
II. $Y > R$

ANS: (4)

$H \geq Y \geq P = E > R$

Conclusions : I. $E \leq H \rightarrow$ False
II. $Y > R \rightarrow$ True

83. **Statements :** $J = U \leq N \leq E$

Conclusions : I. $J < E$
II. $E = J$

ANS: (5)

$J = U \leq N \leq E$

Conclusions : I. $J < E$
II. $E = J$ } Either conclusion I or II

84. **Statements :** $D < O \geq N > K \leq Y$

Conclusions : I. $D > K$
II. $Y < O$

ANS: (2)

$D < O \geq N > K \leq Y$

Conclusions : I. $D > K \rightarrow$ False
II. $Y < O \rightarrow$ False

Directions (85-89) : These questions are based on the five three - digit numbers given below.
528 247 724 285 856

85. If '2' is added to the first digit of every odd number and '3' is subtracted from the third digit of every even number, in how many numbers will a digit appear twice ?

(1) Three (2) One (3) Two (4) None (5) Four

ANS: (3)

86. If all the numbers are arranged in ascending order from left to right, which of the following will be sum of all the three digits of the number which is third from the right ?

- (1) 13 (2) 16 (3) 15 (4) 14 (5) 19

ANS: (3)

87. What will be the resultant if the third digit of the lowest number and second digit of the highest number are multiplied ?

- (1) 42 (2) 24 (3) 10 (4) 35 (5) 20

ANS: (1)

88. The position of the first and the third digits of each of the numbers are interchanged. What will be resultant if the first digit of lowest number thus formed is divided by the second digit of the highest number thus formed ?

- (1) 1 (2) 2 (3) 1.5 (4) 2.5 (5) 3

ANS: (2)

89. If in each number all the digits are arranged in descending order from left to right within the number, how many numbers thus formed will be odd numbers ?

- (1) None (2) Three (3) Four (4) One (5) Two

ANS: (4)

Arranging all digits in descending order from left to right in each number, we get

852 742 742 852 865

Here, only one number is odd which is '865'.

Directions (90-93) : Study the following information carefully and answer the given questions.
P is the father of D. D is the only son of T. T is the daughter of J. T is the mother of G. G is the sister of V.

90. If J is married to B, then how is B related to G ?

- (1) Daughter-in-law (2) Son-in-law (3) Father (4) Mother
(5) Cannot be determined

ANS: 5

91. How is V related to P ?

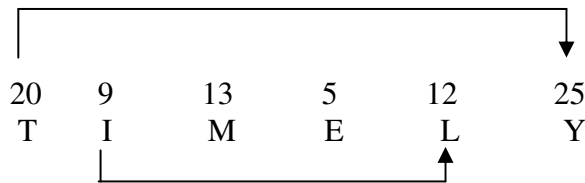
- (1) Daughter (2) Father (3) Mother (4) Cannot be determined
(5) Son

ANS: 1

92. How many such pairs of letters are there in the word 'TIMELY' each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series ?

- (1) Two (2) None (3) Three (4) One (5) More than three

ANS: 1



∴ Required pairs = { TY, IL }

93. If all the numbers in 86312749 are arranged in ascending order from left to right, the positions of how many numbers will remain unchanged ?

- (1) Three (2) One (3) Two (4) More than three (5) None

ANS: (1)

8 6 3 1 2 7 4 9

1 2 3 4 6 7 8 9 → Ascending order

Directions (94-98) : Study the following information to answer the given questions.

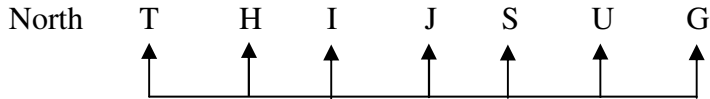
G, H, I, J, S, T and U are seated in a straight line facing north, with equal distance between each other but not necessarily in the same order.

I sits second to the right of T. U sits third to the right of I. H sits third to the left of S. S does not sit at any of the extreme ends of the line. Only one person sits between S and G.

94. Who amongst the following sits exactly in the middle of the line ?

- (1) G (2) J (3) U (4) I (5) S

Ans. (94-98) :



ANS: 2

95. How many persons are between I and S ?

- (1) One (2) Two (3) Four (4) None (5) Three

ANS: 1

96. Which of the following represents persons seated at the two extreme ends of the line ?

- (1) G, U (2) T, G (3) G, J (4) I, J (5) H, I

ANS: 2

97. What is the position of U with respect to G ?

- (1) Second to the right (2) Immediate left (3) Fourth to the left
 (4) Fifth to the right (5) Third to the left

ANS: 2

98. Who amongst the following sits to the immediate left of H ?

- (1) J (2) G (3) I (4) U (5) T

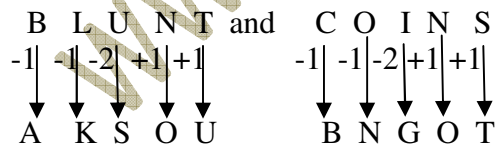
ANS: 5

99. In a certain code language, BLUNT is coded as AKSOU and COINS is coded as BNGOT. In the same code language, how will TRUST be coded as ?

- (1) SSTUV (2) SQTRS (3) RQSRs (4) SQSTU (5) RSSQN

ANS: 4

As,



Similarly,

T	R	U	S	T
-1↓	-1↓	-2↓	+1↓	+1↓
S	Q	S	T	U

100. All the letters of the word HALFTIME arranged in alphabetical order from left to right. Then all the vowels are replaced with the next alphabet (as per the English alphabetical order), then which of the following will be the second letter from the left end ?

- (1) H (2) F (3) M (4) L (5) E

ANS: (2)
