



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

## IBPS Bank Clerk 2.1.16 - Mains

Q1. If it is possible to make only one meaningful word from the second, sixth, seventh and ninth letters of the word ELECTRICAL, using each letter only once, second letter of that word is your answer. If more than one such word can be formed your answer is 'X' and If no such word can be formed your answer is "Z".

- (1) A
- (2) I
- (3) R
- (4) X
- (5) Z

Q2. In a certain code language 'FORCES' is written as 'GPQBFT' and 'STORES' is written as 'TUNQFT'. How will 'ANSWER' be written in that code language ?

- (1) BORVFS
- (2) BOTXFS
- (3) ZMTXDQ
- (4) CPQUGT
- (5) Other than those given as options

Q3. How many such pairs of letters are there in the word 'POLITICS' each of which has as many letters between them in the word (in both forward and backward directions) as there are in the English alphabetical series ?

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

\$\$\$ (4-5) : Study the following information carefully and answer the questions given below :

R is the father of T. B is the only son of T. T is married to G. G is the mother of M. O is married to M.

\$\$\$

Q4. How O is related to T ?

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



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Q5. If R is married to S. then how is S related to M ?

- (1) Grandfather
- (2) Father
- (3) Sister
- (4) Mother
- (5) Grandmother

\$\$\$ (6-10) : Study the following information carefully and answer the questions given below :

Ten persons are sitting in two parallel rows containing five persons each, in such a way that there is an equal distance between adjacent persons. In Row - 1, A, B, C, D and E are seated and all of them are facing north, but not necessarily in the same order. In Row - 2, P, Q, R, S and T are seated and all of them are facing south, but not necessarily in the same order. Therefore, in the given seating arrangement each member seated in a row faces one member of the other row.

Only two persons sit to the left of C. Q faces one of the immediate neighbours of C. R sits to the immediate left of Q. Only one person sits between R and T. The person who faces T sits to the immediate left of B. Only two persons sit between B and D. The person who faces D is an immediate neighbour of P. E is not an immediate neighbor of D.

\$\$\$

Q6. Which of the following statements is true regarding E on the basis of above arrangement?

- (1) E is an Immediate neighbour of both C and B
- (2) E is sitting at the extreme right end of the row
- (3) Only one person is sitting between E and A
- (4) D sits second to the left of E
- (5) None of the given statements is true

Q7. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which one of the following does not belong to that group ?

- (1) Q
- (2) P
- (3) B
- (4) S
- (5) A

Q8. What is the position of Q with respect to S ?

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



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Q9. Who among the following is facing P ?

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

Q10. Who among the following is facing S ?

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

\$\$\$ (11-15): Study the following Information carefully and answer the questions given below :

Seven persons – P, Q, R, S, T, U and V - live on seven different floors a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the one above it is numbered two and so on till the topmost floor is numbered seven.

P lives on floor numbered four. Only two persons live between the floors of P and R. Q does not live on any floor below the floor of P. Q lives immediately below V. Only two persons live between Q and S. Neither T nor S lives on floor numbered two.

\$\$\$

Q11. If Q and S Interchange their places and so do P and R, then how many persons will live between S and P as per the new arrangement?

- (1) Two
- (2) None
- (3) Four
- (4) More than four
- (5) One

Q12. Who amongst the following lives on the floor numbered five?

- (1) S
- (2) T
- (3) R
- (4) Q
- (5) V

Q13. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which one of the following does not belong to that group ?

- (1) T- Four
- (2) V- Six



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- (3) Q - Five
- (4) R – Three
- (5) S - Two

Q14. Who amongst the following lives immediately above S ?

- (1) P
- (2) T
- (3) R
- (4) Q
- (5) U

Q15. On which of the following floor numbers does R live ?

- (1) Six
- (2) Five
- (3) Three
- (4) Two
- (5) One

\$\$\$ (16-20): Study the following arrangement carefully and answer the questions given below :

Q A \$ H\*7 B K 2 & T 6 @ F U M J # R S 9 D 3 L P © W % E 4 G N 5

\$\$\$

Q16. If all the symbols are dropped from the above arrangement then which element will be the fourteenth from the right end of the given arrangement ?

- (1) M
- (2) J
- (3) R
- (4) U
- (5) S

Q17. Which of the following is fifth to the left of eighteenth element from the left end of the given arrangement ?

- (1) U
- (2) &
- (3) F
- (4) 6
- (5) @

Q18. How many such symbols are there in the given arrangement each of which is immediately preceded by a number and also immediately followed by a letter?



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

Q19. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which one of the following does not belong to that group ?

- (1) 7 K \$
- (2) M # @
- (3) T F K
- (4) DLR
- (5) % 4 P

Q20. What should come in the place of question mark (?) in the following series based on the given arrangement ?

Q\$A A7H \*TK & # F ?

- (1) F L R
- (2) @ 3 #
- (3) # % 9
- (4) J W D
- (5) M © 3

\$\$\$ (21-25) : In each of the following questions, two or three statements followed by two Conclusions numbered I and II have been given. You have to take the given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Give answer (1)** if only Conclusion I follows

**Give answer (2)** if only Conclusion II follows

**Give answer (3)** if either Conclusion I or Conclusion II follows

**Give answer (4)** if neither Conclusion I nor Conclusion II follows

**Give answer (1)** if both the Conclusion I and Conclusion II follow

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Q21. **Statements:** Some lotions are creams. Some creams are powders.

**Conclusions** I. Some lotions are definitely not powders. II. All powders are creams.

- (1) 1
- (2) 2
- (3) 3



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(4) 4

(5) 5

Q22. **Statements:** All Inks are paints. All paints are colours.

**Conclusions:** I. Atleast some paints are inks. II. All inks are colours.

(1) 1

(2) 2

(3) 3

(4) 4

(5) 5

Q23. **Statements:** Some cards are invites. No invite is a greeting.

**Conclusions:** I. Some cards are greetings. II. No card is a greeting.

(1) 1

(2) 2

(3) 3

(4) 4

(5) 5

Q24. **Conclusions:** I. All dresses are tops. II. At least some tops are shirts.

**Statements:** All shirts are tops. Some tops are pants. No pant is a dress.

(1) 1

(2) 2

(3) 3

(4) 4

(5) 5

Q25. **Conclusions:** I. All tops can never be dresses. II. At least some pants are shirts.

**Statements:** All shirts are tops. Some tops are pants. No pant is a dress.

(1) 1

(2) 2

(3) 3

(4) 4

(5) 5

\$\$\$ (26-30) : The following questions are based on the five three digits numbers given below :  
463 542 918 276 695



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Q26. If '2' is subtracted from the third digit of every odd number and '1' is added to the third digit of every even number, in how many numbers so formed a digit will appear twice ?

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

Q27. If all the digits of every number are arranged in ascending order from left to right within the number, how many odd numbers will be formed ?

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

Q28. If all the numbers are arranged in ascending order from left to right, which of the following will be the sum of all the three digits of the fourth number from the right ?

- (1) 11
- (2) 18
- (3) 13
- (4) 15
- (5) 20

Q29. What will be the resultant if the second digit of the lowest number is added to the first digit of the highest number ?

- (1) 13
- (2) 17
- (3) 14
- (4) 15
- (5) 16

Q30. The positions of the first and the third digits of each of the numbers are interchanged. What will be the resultant if the first digit of the highest number is divided by the second digit of the lowest number thus formed ?

- (1) 2
- (2) 1.5
- (3) 3



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(4) 2.5

(5) 4

\$\$\$ (31-35) : In each of the following questions relationship between different elements is shown in the statements. The statements are followed by two Conclusions numbered I and II. Study the Conclusions based on the given statement(s) and select the appropriate answer.

**Give answer (1)** If only Conclusion I is true

**Give answer (2)** If only Conclusion II is true

**Give answer (3)** If either Conclusion I or Conclusion II is true

**Give answer (4)** If neither Conclusion I nor Conclusion II is true

**Give answer (5)** If both the Conclusion I and Conclusion II are true

\$\$\$

**Q31. Statements:**  $D = E \geq M < A = G; F \leq M \geq N$

**Conclusions:** I.  $N \leq D$                       II.  $G > F$

(1) 1

(2) 2

(3) 3

(4) 4

(5) 5

**Q32. Statement:**  $P > R \geq A = I < S$

**Conclusions:** I.  $P \geq I$                       II.  $S < R$

(1) 1

(2) 2

(3) 3

(4) 4

(5) 5

**Q33. Statement:**  $Q = U \geq V \geq W$

**Conclusions:** I.  $Q > W$                       II.  $W = Q$

(1) 1

(2) 2

(3) 3

(4) 4

(5) 5

**Q34. Statement:**  $B < N > O < T; O > L$

**Conclusions:** I.  $N > L$                       II.  $T > N$





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

Q35. **Statement:**  $H = Y < R \leq C \geq J$

**Conclusions:** I.  $J < Y$                       II.  $C > H$

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

\$\$\$ (36-40): Study the following Information carefully and answer the questions given below :

Eight friends – L, M, N, O, P, Q, R and S – are sitting around a circular table facing the centre but not necessarily in the same order. Four friends stay in Mumbai while other four stay in Delhi. No two friends from Mumbai are immediate neighbours of each other. O stays in Mumbai. O is sitting third to the right of R. P stays in Mumbai. P is sitting second to the left of Q. Only one person sits between P and S. L is not an immediate neighbour of S. As many friends sit between L and N as there are between L and R.

\$\$\$

Q36. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which one of the following does not belong to that group ?

- (1) N
- (2) M
- (3) Q
- (4) L
- (5) R

Q37. Who among the following sits exactly between S and O ?

- (1) N
- (2) P
- (3) L
- (4) Q
- (5) M



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Q38. What is the position of R with respect to N on the basis of the given sitting arrangement ?

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

Q39. Which of the following statements is correct regarding R on the basis of given sitting arrangement ?

- (1) R stays in Mumbai
- (2) R sits exactly between Q and P
- (3) S sits third to the right of R
- (4) L sits second to the left of R
- (5) None of the given statements is true

Q40. How many persons are sitting between Q and N if we move in clockwise direction starting from Q ?

- (1) One
- (2) Five
- (3) Two
- (4) Three
- (5) Four

\$\$\$ (41-45): Rearrange the given six sentences /group of sentences (A), (B), (C), (D), (E) and (F) in a proper sequence so as to form a meaningful paragraph and then answer the given questions.

- (A) Next day her mum had to dig the tunnels all alone.
- (B) That night Minnie waited till her mum was asleep. Then she crept up the tunnel and stuck her head above the ground. She couldn't see the cat waiting.
- (C) "But I can see, I can, I can." wailed Minnie, stamping her paws.
- (D) "Because moles live in the dark and can't see anything dear." said mum.
- (E) It was so boring. "Mum, why can't I go above ground and have a bit of fun?" She kept on saying.

\$\$\$

Q41. Which of the following should be the **FIRST** sentence after rearrangement?

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



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Q42. Which of the following should be the **THIRD** sentence after rearrangement?

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

Q43. Which of the following should be the **SECOND** sentence after rearrangement?

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

Q44. Which of the following should be the **FOURTH** sentence after rearrangement?

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

Q45. Which of the following should be the **SIXTH (LAST)** sentence after rearrangement?

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

\$\$\$ (46-55):

Read the following passage carefully and answer the questions. Certain words/phrases are given in **bold** to help you locate them while answering some of the questions.

The ruler of Vijaynagar, Krishnadeva Raya had a versatile minister at his durbar. Tenali Raman. He was a poet, Jester and the personal adviser of the king. Raja Krishnadeva Raya was very fond of Tenali Raman as he could diffuse any tense situation with his ready wit and humour.

One day, Krishnadeva Raya saw a strange dream. He dreamt of a magnificent magical palace. It was made of **dazzling** stones and floated in the air. The palace had every comfort and amenity that one could ever wish for. It could be lit up with a thousand lights or made to



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disappear into the darkness in a jiffy.

The next day when the king woke up, he vividly remembered the dream. He summoned all his courtiers and told them about it. The courtiers sang praises of the king and his beautiful dream.

Then the king made a public announcement: "I will give a hundred thousand gold coins to the person who can build me the palace of my dream."

Everyone was startled at the king's announcement. They knew that it was not practically possible to build the palace that the king wanted. But no one had the courage to say so. Many of the king's well-wishers told him that such a palace can only exist in one's mind. But he **refused** to listen and threatened his courtiers with grave consequences if they did not find someone who could make his dream come true.

The courtiers got worried and approached Tenali Raman for help. The senior minister requested Tenali Raman. "Dear Tenali, now only you can make our king understand that his wish to erect the palace of his dream is absurd or else all of us will get a severe punishment." Tenali Raman assured them that he would try to help them..

A few days later, a very old man came to meet the king in his court. He was crying for Justice.

Krishnadeva Raya asked, "What brings you here my good man? Tell me without fear and I assure you that Justice will be done." "I have been robbed, Your Majesty." Wailed the old man. "Someone has taken away all my savings and now I don't have a single paisa left."

"Who robbed you?" asked the king angrily. "Such a crime cannot go unpunished. You name him and I will have him hanged immediately!"

"Your Majesty! I will tell you but first assure me that on hearing upon his name, you will not get angry and punish me instead." requested the old man.

"Yes, I promise." replied the king impatiently.

"It is you, my lord." said the old man in a **trembling** voice.

"How dare you say a ridiculous thing like that, I will...," began the king, but then he remembered his promise and calmed down. He asked that the old man explain what he actually meant to say.

"Your Majesty! Last night, I dreamt that you came with your **entourage** of ministers and soldiers and looted my entire life's savings, five thousand gold coins!" said the old man.

"Are you a fool or completely insane?" roared the king. "How can you treat your dream as a reality? Dreams are not true!"

"But they are, Your Majesty! If your dream of a palace hanging in air can come true, why can't my dream come true?" retorted the old man.

And then, the man took off his beard and hair and stood before the king. It was none other than Tenali Raman!

He bowed before the king and said, "Your Majesty! This was the only way of convincing you that building the palace of your dreams was not practically possible."

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Q46. Which of the following statements is true in the context of the given passage?

(1) Krishnadeva Raya was a poet and Jester.



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- (2) Tenali Raman dreamt of a hanging garden and ordered his courtiers for the same.
- (3) Raja Krishnadeva Raya was very fond of Tenali Raman.
- (4) Tenali Raman refused to help the courtiers when they needed this.
- (5) None of these.

Q47. What public announcement made by the king Krishnadeva Raya worried the courtiers?

- (1) Krishnadeva Raya announced that a hanging garden should be built above the palace.
- (2) Krishnadeva Raya announced to give ten thousand gold coins to build him the palace of his dream.
- (3) Krishnadeva Raya announced to give a hundred thousand gold coins to the builder of the palace of his dream and threatened his courtiers with grave consequences.
- (4) Krishnadeva Raya publicly announced that the courtiers should work without leave despite low wages.
- (5) None of these

Q48. After the king's practically impossible dream, the courties approached which of the following personalities for help?

- (1) A great priest of the kingdom's temple
- (2) A great saint of repute
- (3) Tenali Raman, a witty minister
- (4) The queen of the kingdom
- (5) None of these

Q49. Which of the following statements is not true about Tenali Raman In the context of the given passage?

- (1) He was a versatile Minister at the durbar of Krishnadeva Raya.
- (2) He was the Personal adviser to the queen of Vijayanagar empire.
- (3) He could diffuse any tense situation with his ready wit and humour.
- (4) Tenali Raman blamed the king for his being robbed of.
- (5) None of these.

Q50. Which of the following should be the most appropriate title of the given passage?

- (1) Krishnadeva Raya and his witty Tenali Raman
- (2) Ruler of Vijaynagar
- (3) King Krishnadeva Raya and his announcement
- (4) Courtiers and the startling dream
- (5) None of these

Q51. Which of the following statement(s) is/are correct in the context of the given passage?



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I. The palace that Krishnadeva Raya dreamt of was made of dazzling stones and floating in the air.

II. Tenali Raman went to the king in disguise of a very old man.

III. The courtiers sang praises of the king and his beautiful dream before king's public announcement.

- (1) Only I
- (2) Only II
- (3) Only II and III
- (4) Only I and III
- (5) All I, II and III

\$\$\$ (52-53):

Choose the word which is most nearly the **SAME** in meaning as the word given in **bold** as used in the passage.

\$\$\$

Q52. **Dazzling**

- (1) deadly
- (2) brilliant
- (3) magnified
- (4) crackling
- (5) crabby

Q53. **Entourage**

- (1) retinue
- (2) reticule
- (3) surrounding
- (4) dispatch
- (5) band

\$\$\$ (54-55):

Choose the word which is most **OPPOSITE** in meaning to the word printed in **bold** as used in the passage.

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Q54. **Trembling**

- (1) quivering
- (2) shaking
- (3) trendy
- (4) bold
- (5) treachery



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## Q55. Refused

- (1) denied
- (2) turned down
- (3) refute
- (4) accept
- (5) agreed

\$\$\$ (56-65):

In the following 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 was a king who ruled a great and **(56)** nation. Favourite amongst his subjects was the court painter of whom he was very proud. Everybody agreed this **(57)** old man painted the greatest pictures in the whole kingdom and the king would spend hours each day **(58)** at them in wonder. However, one day a dirty and dishevelled stranger presented himself at the court claiming that in fact he was the greatest painter in the land. The **(59)** king decreed a competition would be held between the two artists, confident it would teach the vagabond an **(60)** lesson. Within a month they were both to produce a masterpiece that would out do the other. After thirty days of working **(61)** day and night, both artists were ready. They placed their paintings, each hidden by a cloth, on easels in the great hall of the castle. As a large crowd gathered, the king ordered the cloth be pulled first from the court artist's **(62)**. Everyone **(63)** as before them was revealed a wonderful oil painting of a table set with a feast. At its centre was an ornate bowl full of exotic fruits glistening moistly in the dawn light. As the crowd gazed **(64)**, a sparrow perched high up on the rafters of the hall **(65)** down and hungrily tried to snatch one of the grapes from the painted bowl only to hit the canvas and fall down dead with shock at the feet of the king.

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## Q56. I

- (1) glorious
- (2) pitiful
- (3) gleam
- (4) gloriously
- (5) gloomy

## Q57. II

- (1) wizard
- (2) wizened
- (3) unskilled
- (4) manly





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(5) horrendous

Q58. III

- (1) gaze
- (2) stared
- (3) gazing
- (4) look
- (5) dropping

Q59. IV

- (1) indictable
- (2) indignant
- (3) pleasant
- (4) humorous
- (5) Indolent

Q60. V

- (1) encouraging
- (2) embroiling
- (3) embryonic
- (4) embarrassing
- (5) embalming

Q61. VI

- (1) feverishly
- (2) feverish
- (3) exciting
- (4) severely
- (5) fatally

Q62. VII

- (1) easel
- (2) background
- (3) stage
- (4) board
- (5) implement

Q63. VIII





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- (1) gasp
- (2) breathed
- (3) gasped
- (4) slept
- (5) yawn

Q64. IX

- (1) admiration
- (2) admiringly
- (3) hatefully
- (4) contemptuously
- (5) forcibly

Q65. X

- (1) swoops
- (2) swooped
- (3) raided
- (4) swooned
- (5) sympathised

\$\$\$ (66-70):

In the following questions, read each 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 error of punctuation, if any.

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Q66. A motorcycle mechanic has been (1)/ arresting in connection (2)/ with a number of (3)/ motorcycle thefts in the city. (4)/ No error (5)

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

Q67. Poor management of our pollinator (1)/ species may be leading to lower crop yields (2)/, but our level of investment in research on (3)/ pollinators has been negligible. (4)/ No error (5)

- (1) 1
- (2) 2
- (3) 3



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(4) 4

(5) 5

Q68. The government has decided (1)/ to go ahead with the (2)/ plan to built houses (3)/ in civil war hit Eastern provinces. (4)/ No error (5)

(1) 1

(2) 2

(3) 3

(4) 4

(5) 5

Q69. With the sports qualification (1)/ cut-off date not very (2)/ far away, sports person are (3)/ concentrating on the Job ahead. (4)/ No error (5)

(1) 1

(2) 2

(3) 3

(4) 4

(5) 5

Q70. Indian citizens or people (1)/ who have been residents (2)/ of India since the past five (3)/ years and are aged over 18 are eligible to apply. (4)/ No error (5)

(1) 1

(2) 2

(3) 3

(4) 4

(5) 5

\$\$\$ (71-75) : In the following questions, a sentence with four words in **bold** type is given. One of these words given in **bold** may be either wrongry spelt or inappropriate in the context of the sentence. Find out the word which is wrongly spelt or inappropriate, if any. That word is your answer. If all the words given in **bold** are correctly spelt and also appropriate in the context of the sentence, select "All correct" as your answer.

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Q71. **Career choices** are not obvius or simple to **make**.

(1) Career

(2) choices



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- (3) obvious
- (4) make
- (5) All correct

Q72. The government **formally** announced the **extension** of its power **subsidy** scheme for next **finance** year.

- (1) formally
- (2) extension
- (3) subsidy
- (4) finance
- (5) All correct

Q73. It is a common practice **now-days** in **households** for parents to **ration** out device use for **specific** time limits.

- (1) nowadays
- (2) households
- (3) ration
- (4) specific
- (5) All correct

Q74. Physical **remoteness**, high rates of **malnutrition** and poor living conditions **contribute** to the **vulnerability** of people to TB.

- (1) remoteness
- (2) malnutrition
- (3) contribute
- (4) vulnerability
- (5) All correct

Q75. He was **equally** well **know** for his **temper** and his generosity.

- (1) equally
- (2) know
- (3) temper
- (4) generosity
- (5) All correct

\$\$\$ (76-80): Each sentence below has one blank, each blank indicating that something has been omitted. Choose the word that best fits the meaning of the sentence as a whole.

\$\$\$



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Q76. Country has to deal with its immediate neighbours with \_\_\_\_\_ and sensitivity.

- (1) prudence
- (2) prudent
- (3) carelessness
- (4) careful
- (5) prompt

Q77. Most such events have one or more components that \_\_\_\_\_ not related to climate change.

- (1) is
- (2) was
- (3) will
- (4) are
- (5) have

Q78. Ocean acidification harms a variety of \_\_\_\_\_ organisms.

- (1) mariner
- (2) sea
- (3) oceanic
- (4) marine
- (5) lived

Q79. Computer code written by women receive \_\_\_\_\_ approval rating than the code written by men.

- (1) high
- (2) low
- (3) higher
- (4) highest
- (5) lowest

Q80. The government has \_\_\_\_\_ up the issue of mergers among public sector banks after a long gap

- (1) raking
- (2) ranked
- (3) raked
- (4) raised
- (5) made

Q81. Mani bought two articles A and B each at the same price. The article A was sold at 12%



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profit while the other was sold at 20% loss. The difference between the selling prices of both the articles is Rs. 48. Find the cost price of each article.

- (1) Rs. 120
- (2) Rs. 240
- (3) Rs. 150
- (4) Rs. 200
- (5) Rs. 250

Q82. A certain sum was distributed among three persons – A, B and C. A and B received money in the respective ratio of 16 : 13. C got 8 times the difference of the sums received by A and B and Rs. 60 less than the total amount received by A and B together. Find the total sum distributed among A, B and C.

- (1) Rs.576
- (2) Rs.540
- (3) Rs. 744
- (4) Rs. 636
- (5) Rs. 708

Q83. In a jar there is a certain quantity of mixture of Juice A and Juice B in the respective ratio of 4 : 3. From the Jar, 7 litres of mixture is taken out and 12 litres of juice B is added to the remaining mixture. In this way the percentage of Juice B in the resulting mixture becomes 60%. Find the initial quantity of mixture in the jar.

- (1) 63 litres
- (2) 56 litres
- (3) 49 litres
- (4) 28 litres
- (5) 35 litres

Q84. In a school some chocolates were distributed equally among children. Each child got chocolates equal to  $\frac{1}{7}$ th of the number of children in the school. If the number of children were half, each child would have got 24 chocolates. How many chocolates were distributed among the children?

- (1) 1032
- (2) 924
- (3) 1992
- (4) 1008
- (5) 1056



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Q85. There are two concentric circles. The difference between the circumferences of two circles is 22m and the sum of the area radii is 17.5 m. Find the area of the smaller circle. (in sq. metre)

- (1) 156
- (2) 168
- (3) 175
- (4) 154
- (5) 140

Q86. Time taken by Om to cover a distance of  $x$  km at the speed of 30 kmph is equal to the time taken by Shyam in covering a distance of  $(x - 10)$  km at the speed of 25 kmph. Find the distance Om has travelled.

- (1) 90 km
- (2) 60 km
- (3) 54 km
- (4) 80 km
- (5) 45 km

Q87. The distance covered by a boat downstream in 12 minutes is half of the distance covered by the same boat upstream in 40 minutes. The speed of current is 3 kmph. Find the speed of boat in still water ?

- (1) 10 kmph
- (2) 9 kmph
- (3) 15 kmph
- (4) 18 kmph
- (5) 12 kmph

Q88. Shyam borrowed a certain sum from a bank at the rate of 8% per annum simple interest. He lent the whole amount to Om at the rate of 12% per annum simple interest. At the end of 3 years Shyam returned the loan with interest to the bank. In this way he had a profit of Rs. 720. How much sum did Shyam borrow from the bank?

- (1) Rs. 8000
- (2) Rs. 7200
- (3) Rs. 8200
- (4) Rs. 6000
- (5) Rs. 6400

Q89. The average score by a candidate in 14 mock tests was 89. His average score in first 6 mock tests was 78.5 while in the next 5 tests it was 87. The scores of the candidate in 12th, 13th and 14th tests were in the respective ratio of 5 : 5 : 7. Find his score in 14th mock test.



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- (1) 154
- (2) 168
- (3) 140
- (4) 112
- (5) 126

\$\$\$ (90-94)

What will come in place of the question mark (?) in the following number series ?

\$\$\$

Q90. 5, 6, 14, 45, 184, ?

- (1) 925
- (2) 825
- (3) 1025
- (4) 800
- (5) 915

Q91. 13, 14, 10, 19, 3, ?

- (1) 25
- (2) 28
- (3) 31
- (4) 22
- (5) 26

Q92. 7, 26, 19, 38, 31, ?

- (1) 49
- (2) 45
- (3) 50
- (4) 60
- (5) 52

Q93. 4, 11, 25, 45, 70, ?

- (1) 96
- (2) 98
- (3) 90
- (4) 99
- (5) 95

Q94. 8, 10, 20, 50, 118, ?



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- (1) 216
- (2) 236
- (3) 252
- (4) 238
- (5) 248

Q95. Avi spent his monthly salary on various Items. He spent 10% of his monthly salary on buying a shirt. He gave 25% of his monthly salary to Ravi and spent 30% of the remaining amount as rent. After above mentioned amount he was left with Rs. 12740. Find Avi's monthly salary.

- (1) Rs. 30000
- (2) Rs. 40000
- (3) Rs. 28000
- (4) Rs. 32000
- (5) Rs. 26000

\$\$\$ (96-100) : Study the following table carefully and answer the given questions.

**Number of applications received  
for 5 different positions in an  
organisation X during 5 days**

Positions / Days	A	B	C	D	E
Monday	145	160	163	114	113
Tuesday	168	145	98	125	133
Wednesday	169	124	88	175	105
Thursday	190	133	138	137	119
Friday	174	156	175	189	197

\$\$\$

Q96. What is the difference between the total number of applications received for the position A and position E taking all 5 days together?

- (1) 179
- (2) 189
- (3) 197
- (4) 169
- (5) 196

Q97. What is the respective ratio between the number of applications received for the position





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B on Monday and Tuesday taken together and that for the position E on Monday and Friday?

- (1) 32 : 31
- (2) 61 : 62
- (3) 31 : 32
- (4) 62 : 61
- (5) None of these

Q98. What was the average number of applications received for the position D during all the 5 days?

- (1) 142
- (2) 184
- (3) 148
- (4) 124
- (5) 160

Q99. What was the average number of applications received for all the positions on Monday?

- (1) 138
- (2) 135
- (3) 129
- (4) 139
- (5) 142

Q100. For which position the maximum number of applications were received taking all 5 days together?

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

Q101. A and B separately can do a piece of work in 36 days and 20 days respectively. Both started together. After 9 days C Joined them and whole work was completed in 12 days. In how many days can C alone do the same piece of work?

- (1) 48
- (2) 60
- (3) 42
- (4) 40
- (5) 45



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\$\$\$ (102-116) : What value will come in place of the question mark (?) in the following questions?

\$\$\$

Q102. 450% of ? - 250% of 200 = 1300

- (1) 400
- (2) 342
- (3) 336
- (4) 364
- (5) None of these

Q103.  $306 \div 12 + 0.5^2 - 5.75 = ?$

- (1) 18
- (2) 20
- (3) 22
- (4) 19
- (5) 21

Q104.  $(225.15 + 74.85 - 50) \times 2.5 = ?^2$

- (1) 16
- (2) 24
- (3) 25
- (4) 30
- (5) 14

Q105.  $4 \frac{5}{7} \times 1 \frac{10}{11} \times 4 \frac{5}{9} = ?$

- (1) 43
- (2) 31
- (3) 39
- (4) 41
- (5) 46

Q106.  $(1/144)^{1/2} \div (1/64)^{1/3} \times 27 = ?$

- (1) 10
- (2) 11
- (3) 7
- (4) 8
- (5) 9

Q107.  $? - 260 \div 65 \times 176 \div 22 = 427$



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- (1) 459
- (2) 359
- (3) 495
- (4) 395
- (5) 295

Q108.  $1/13 \times 9 \frac{3}{4} + 7 \frac{1}{2} - 2 = ?$

- (1) 6
- (2) 6.25
- (3) 7.25
- (4) 8.25
- (5) 6.15

Q109.  $1/6 \times \sqrt{256} \times ? + 26 = 90$

- (1) 24
- (2) 42
- (3) 26
- (4) 28
- (5) 20

Q110.  $1.6 \times 1.3 - 2.2 \times 0.4 = ?$

- (1) 1.4
- (2) 1.2
- (3) 2.2
- (4) 1.42
- (5) 1.23

Q111.  $2^? \times \sqrt{576} = 540 \div 3 - 84$

- (1) 0
- (2) 1
- (3) 2
- (4) 3
- (5) 4

Q112.  $40 \times 12 + 520/5 = ?^2$

- (1)  $10\sqrt{2}$
- (2)  $8\sqrt{2}$
- (3) 10
- (4)  $9\sqrt{2}$



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(5)  $7\sqrt{2}$

Q113.  $81^2 \times 243 \times 9^3 \div 3^5 = 3^{?-9}$

- (1) 21
- (2) 23
- (3) 22
- (4) 24
- (5) 25

Q114.  $\sqrt{?^2} \cdot 10^2 = 5^2 \times 2^2$

- (1) 12
- (2) 8
- (3) 15
- (4) 10
- (5) 100

Q115.  $25\% \text{ of } 360 \div 60\% \text{ of } 25 = ?$

- (1) 5
- (2) 4
- (3) 6
- (4) 10
- (5) 12

Q116.  $1\frac{1}{5} + 2\frac{1}{10} - 1\frac{1}{20} = ?^2$

- (1) 1.5
- (2) 1.4
- (3) 2.5
- (4) 2
- (5) 1

Q117. A, B and C started a business in partnership with a total investment of Rs. 33800. B's investment was twice to that of C's. A's investment was Rs. 2600 more than that of C's. All of them invested for the same period of time. Out of a total annual profit of Rs. 16120. what was A's share?

- (1) Rs. 3520
- (2) Rs. 3720
- (3) Rs. 3620
- (4) Rs. 3820
- (5) Rs. 4020

Q118. The perimeter of a rectangle is equal to that of a square. The respective ratio between the side of square and breadth of rectangle is 3 : 2. The length of the rectangle is 4 cm more than its



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breadth. Find the area of the rectangle.

- (1) 16 sq. cm
- (2) 64 sq. cm
- (3) 60 sq. cm
- (4) 32 sq. cm
- (5) 48 sq. cm

Q119. A's age two years ago was twice the age of B at that time. Three years hence, sum of A's and B's ages at that time will be 46 years. What is A's present age?

- (1) 26 years
- (2) 28 years
- (3) 24 years
- (4) 12 years
- (5) 16 years

Q120. Ram invested Rs. 5000 for 2 years in scheme A that offers compound interest compounded annually at the rate of 20% per annum. After 2 years, he invested the amount received from scheme A for 2 years in another scheme B, which offered simple interest at the rate of 12% per annum. Find the interest received by Ram from scheme B after 2 years?

- (1) Rs. 1782
- (2) Rs. 1728
- (3) Rs. 1628
- (4) Rs. 1682
- (5) Rs. 1700

Q121. Pranab Mukherjee recently visited 500th year celebration of Monk Chaitanya Mahaprabhu at which place?

- (1) Vrindavan
- (2) Kolkata
- (3) Guwahati
- (4) Raipur
- (5) Dehradun

Q122. Which state of India has the highest urban population?

- (1) Karnataka
- (2) Goa
- (3) Maharashtra
- (4) Tamil Nadu
- (5) Gujarat

Q123. Interest rate on home loans is decided by



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- (1) Reserve Bank of India
- (2) Individual Banks
- (3) Union Ministry of Finance
- (4) National Housing Bank
- (5) Ministry of Housing and Urban Poverty Alleviation

Q124. Which among the following can provide Debit Cards but not Credit cards?

- (1) Public sector banks
- (2) Private sector banks
- (3) NBFCs
- (4) Payment banks V.
- (5) None of these

Q125. With which country has India stopped its age old barter system?

- (1) Nepal
- (2) Bhutan
- (3) Sri Lanka
- (4) Myanmar
- (5) Malaysia

Q126. Ruble is the currency of which country?

- (1) Turkey
- (2) Italy
- (3) Russia
- (4) Spain
- (5) Ukraine

Q127. The headquarters of IDBI Bank is located in

- (1) Mumbai
- (2) Kolkata
- (3) Allahabad
- (4) Bangalore
- (5) New Delhi

Q128. Ankara is the capital of which country?

- (1) Italy
- (2) Algeria
- (3) Turkey
- (4) Cyprus
- (5) Latvia



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Q129. David Cameron is the Prime Minister of which country?

- (1) Britain
- (2) Canada
- (3) Australia
- (4) South Africa
- (5) France

Q130. 19th SAARC summit 2016 will be held in which country?

- (1) India
- (2) Sri Lanka
- (3) Bangladesh
- (4) Pakistan
- (5) Nepal

Q131. In Dena Gramin Bank, the highest stock is owned by

- (1) Reserve Bank of India
- (2) Union Government
- (3) NABARD
- (4) State government
- (5) World Bank

Q132. Which bank has its headquarters located in Hyderabad?

- (1) Oriental Bank of Commerce
- (2) Axis Bank
- (3) Andhra Bank
- (4) State Bank of Travancore
- (5) Bank of Baroda

Q133. NBFCs are controlled by which Act?

- (1) Banking Regulation Act 1949
- (2) Companies Act 1956
- (3) Securities Contract Act 1956
- (4) Banking Laws (Application to Co-operative Societies) Act 1965
- (5) Foreign Exchange Management Act 1999

Q134. What is the new deadline year of Pradhan Mantri Gram Sadak Yojana?

- (1) 2017
- (2) 2018
- (3) 2019
- (4) 2020



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(5) 2022

Q135. Which bank in India has started ATM for blind persons?

- (1) State Bank of India
- (2) ICICI Bank
- (3) Union Bank of India
- (4) Bank of Baroda
- (5) Bank of Baroda

Q136. Which Indian was recently appointed executive director at IMF?

- (1) Subir Gokarn
- (2) H R Khan
- (3) Dr Urjit Patel
- (4) R Gandhi
- (5) S.S. Mundra

Q137. Where is the headquarters of International Maritime Organization located?

- (1) Vienna
- (2) Warsaw
- (3) Geneva
- (4) London
- (5) Brussels

Q138. In which state of India is Kanha National Park located?

- (1) Uttarakhand
- (2) Madhya Pradesh
- (3) Rajasthan
- (4) Gujarat
- (5) Chhattisgarh

Q139. Who won the women's singles title of Macau Open Badminton Championships 2015?

- (1) PV Sindhu
- (2) Jwala Gutta
- (3) Saina Nehwal
- (4) P. C. Thulasi
- (5) Ashwini Ponnappa

Q140. Mahip Singh who died recently was a

- (1) Writer and Journalist
- (2) Singer





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- (3) Painter
- (4) Classical dancer
- (5) Former Indian hockey player

Q141. Heena Sindhu is related to which sport?

- (1) Golf
- (2) Squash
- (3) Badminton
- (4) Shooting
- (5) Tennis

Q142. National Youth Day is celebrated in India on 12 January on the birthday of

- (1) Bhagat Singh
- (2) Vivekananda
- (3) Subhash Chandra Bose
- (4) Chandrashekar Azad
- (5) Sardar Vallabhbhai Patel

Q143. Entities participating in Gold monetization Scheme can earn up to \_\_\_\_\_ per cent interest rate on their idle gold.

- (1) 1%
- (2) 2%
- (3) 2.5%
- (4) 3%
- (5) 3.3%

Q144. IDFC was incorporated on 30 January 1997 with its registered office in

- (1) Hyderabad
- (2) Ahmedabad
- (3) Chennai
- (4) Mumbai
- (5) New Delhi

Q145. Lakshmi Vilas Bank recently launched co-branded credit card in partnership with

- (1) SBI Cards and Payment Services
- (2) Citibank Credit Card
- (3) ICICI Premium Card Services
- (4) HDFC Cards
- (5) Bank of Baroda Cards



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- Q146. Premium RuPay card holders will get personal accident coverage up to
- (1) Rs. 1 lakh
  - (2) Rs. 2 lakh
  - (3) Rs. 3 lakh
  - (4) Rs. 4 lakh
  - (5) Rs. 5 lakh
- Q147. Which bank recently launched mobile wallet 'Batua'?
- (1) State Bank of India
  - (2) ICICI Bank
  - (3) Axis Bank
  - (4) Punjab National Bank
  - (5) HDFC Bank
- Q148. Which Bank recently launched country's first 'display variant' debit card?
- (1) State Bank of India
  - (2) ICICI Bank
  - (3) HDFC Bank
  - (4) Axis Bank
  - (5) Bank of Baroda
- Q149. Blackbuck National Park is located in
- (1) Assam
  - (2) Jharkhand
  - (3) West Bengal
  - (4) Gujarat
  - (5) Rajasthan
- Q150. Indian Post recently got license for
- (1) Cooperative bank
  - (2) Small bank
  - (3) Regional rural bank
  - (4) NBFC
  - (5) Payment bank
- Q151. In ECS, the letter 'E' stands for
- (1) Electronic
  - (2) Economic
  - (3) Equilibrium
  - (4) Equated
  - (5) Easy



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Q152. In which state is the hill station of Panchmarhi located?

- (1) Rajasthan
- (2) Madhya Pradesh
- (3) Chhattisgarh
- (4) Uttarakhand
- (5) Himachal Pradesh

Q153. 13th World Robot Olympiad will be held at

- (1) Guwahati
- (2) Kolkata
- (3) New Delhi
- (4) Pune
- (5) Bangalore

Q154. Which state recently entered Guinness Book of World Records for plantation drive?

- (1) Bihar
- (2) Delhi
- (3) Rajasthan
- (4) Uttar Pradesh
- (5) Punjab

Q155. From which year does the government aim to roll out Bharat Stage V & VI norms (emission norms for vehicles)?

- (1) 2017
- (2) 2018
- (3) 2019
- (4) 2020
- (5) 2021

Q156. Bharat Ratna award was Instituted in

- (1) 1948
- (2) 1950
- (3) 1952
- (4) 1954
- (5) 1956

Q157. Kisan Vikas Patra (KVP) is available in denominations of

- (1) Rs. 500



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- (2) Rs. 1000
- (3) Rs. 2000
- (4) Rs. 3500
- (5) Rs.4000

Q158. What is the full form of FEMA?

- (1) Foreign Exchange Management Act
- (2) Foreign Economy Management Act
- (3) Foreign Excise Management Authority
- (4) Foreign Earning Management Act
- (5) Factor Exchange Monitoring Authority

Q159. Which of the following countries is the top source of FDI in India?

- (1) USA
- (2) Mauritius
- (3) United Arab Emirates
- (4) Singapore
- (5) Japan

Q160. Which country recently won the Hockey World League 2015?

- (1) India
- (2) The Netherlands
- (3) Britain
- (4) Australia
- (5) Spain

Q161. Which of the following is the correct order of the four major functions of a computer?

- (1) Input, Output, Process, Storage
- (2) Storage, Output, Process, Input
- (3) Process, Output, Storage, Input
- (4) Storage, Process, Output, Input
- (5) Input, Process, Output, Storage

Q162. Which of the following places the common data elements in order from smallest to largest?

- (1) character, record, field, file, database
- (2) database, file, field, record, character
- (3) record, file, field, character, database



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- (4) field, file, character, database, record
- (5) character, field, record, file, database

Q163. What does LSI stand for?

- (1) Large Scale Integration
- (2) Large Scale Integrity
- (3) Low Scale Integration
- (4) Larger Scale Interior
- (5) Largest Symbol Integration

Q164. System component called \_\_\_\_-is a multipurpose, programmable device that accepts digital data as input, processes it according to instructions stored in its memory, and provides results as output.

- (1) Microprocessor
- (2) Control unit
- (3) Floppy disk
- (4) ROM
- (5) Cache

Q165. What does WAN stand for?

- (1) Width Area Network
- (2) Wynk Area Network
- (3) Wide Area Network
- (4) Wireless Area Network
- (5) Wide Array Net

Q166. EULA in computing stands for

- (1) End-use license arrangement
- (2) Environmental use licensing agreement
- (3) Employee-use legal arrangement
- (4) End-user license agreement
- (5) None of these

Q167. ISDN stands for

- (1) Integral Service Dynamic Network
- (2) International Subscriber Dialup Network
- (3) International Service-Digital Network
- (4) Integrated Service Digital Network
- (5) None of these

Q168. Which of the following is not a binary number?

- (1) 10001



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- (2) 10101
- (3) 12111
- (4) 10011
- (5) 10100

Q169. Proper removal of program from computer memory requires its

- (1) Installation
- (2) Uninstallation
- (3) Removal
- (4) Booting
- (5) Debugging

Q170. Which of the following refers to computer network availability to people within an organization?

- (1) PCN
- (2) CIS
- (3) Intranet
- (4) Internet
- (5) MIS

Q171. Which of the following software is used in computer?

- (1) Mouse
- (2) Scanner
- (3) MS Office 2007
- (4) Keyboard
- (5) Plotter

Q172. \_\_\_\_\_ means to browse or move from website to website randomly.

- (1) Trolling
- (2) Moving
- (3) Looking
- (4) Surfing
- (5) Hopping

Q173. Which of the following is not a secondary storage device?

- (1) Hard disc
- (2) CD
- (3) DVD
- (4) RAM
- (5) None of these



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Q174. Which of the following is not an output device?

- (1) Scanner
- (2) Printer
- (3) Flat screen
- (4) Touch screen
- (5) Speaker

Q175. Verification process of confirming identity for allowing access to a computer system is called

- (1) Authorization
- (2) Spooling
- (3) Authentication
- (4) Login
- (5) Signup

Q176. The biggest digital information among the following is

- (1) Terabyte
- (2) Megabyte
- (3) Kilobyte
- (4) Petabyte
- (5) Gigabyte

Q177. Which of the following is used as an input device?

- (1) Printer
- (2) Monitor
- (3) Webcam
- (4) Switch
- (5) Hub

Q178. Which of the following system software operates computer system?

- (1) Interpreter
- (2) Translator
- (3) Debugger
- (4) Windows 2000
- (5) Compiler

Q179. The speed of microprocessor used in computers is measured in

- (1) Megabyte
- (2) Gigabyte



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

- (3) Gigahertz
- (4) Bytes
- (5) Kilohertz

Q180. Which of the following is not a programming language?

- (1) C#
- (2) ALGOL
- (3) Microsoft
- (4) COBOL
- (5) None of these

Q181. What does the term GUI stand for?

- (1) Graphical User Input
- (2) Graphical User Interface
- (3) Graphical Utility Interface
- (4) Graphics User Interface
- (5) Graphics User Intelligence

Q182. The browser's \_\_\_\_ keeps a list of web pages you have visited during the current session.

- (1) History
- (2) Cache
- (3) Favorites
- (4) Trail
- (5) Background

Q183. Network security system that monitors and controls the incoming and outgoing network traffic based on applied security rules is called

- (1) Firmware
- (2) Firewall
- (3) Shareware
- (4) Instruction set
- (5) Device net

Q184. Linux is

- (1) An open source operating system
- (2) A graphical design tool by Adobe
- (3) Application software suite owned and sold by Microsoft
- (4) An access channel for computers to exchange information
- (5) An advanced programming language





# SHAKTHII ACADEMY

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Q185. Which of the following is a computer hardware?

- (1) Mouse
- (2) Interpreter
- (3) Windows 7
- (4) Compiler
- (5) Assembler

Q186. Trackball, mouse, joystick are examples of \_\_\_\_\_ used in computer system.

- (1) Pointing device
- (2) Storing device
- (3) Data collection device
- (4) Multimedia device
- (5) Scanning device

Q187. Which of the following terms refer to the process of removing a file from a compressed archive?

- (1) Decompressing
- (2) Extracting
- (3) Archiving
- (4) Bundling
- (5) Zipping

Q188. Converting the computer language of 1's and 2's to characters that a person can understand is called

- (1) Decoding
- (2) Selecting
- (3) Generating
- (4) Creating clip art
- (5) Highlighting

Q189. Storage that retains its data after the power is turned off is referred to as

- (1) Volatile storage
- (2) Non-volatile storage
- (3) Sequential storage
- (4) Direct storage
- (5) Cache storage

Q190. Windows explorer is the name of \_\_\_\_\_ in computing.

- (1) File manager
- (2) Web browser
- (3) Taskbar



# SHAKTHII ACADEMY

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- (4) Drive
- (5) Network

Q191. C++ is a

- (1) Low level language
- (2) High level language
- (3) Mid level language
- (4) High Level Language with some low level features
- (5) Low level language with some high level features

Q192. Changing to newer usually more powerful or sophisticated versions of hardware components is termed as

- (1) Expansion
- (2) Plug and play
- (3) Upgrading
- (4) Upsizing
- (5) None of the above

Q193. When any files are deleted from computer hard disk, Microsoft Windows places it in

- (1) Recycle Bin
- (2) Directory
- (3) Root command
- (4) Control Panel
- (5) Kernel

Q194. What does VOIP stand for?

- (1) Voice over IP
- (2) Video over IP
- (3) Viruses over IP
- (4) Virtual over IP
- (5) None of these

Q195. What does RAM stand for?

- (1) Read Accessed and Maintain
- (2) Readable Access Memory
- (3) Random Active Memory
- (4) Random Access memory
- (5) Read Active Memory



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

Q196. Specialized program that assist users in locating information of the web are called

- (1) Information engines
- (2) Spoilers
- (3) Web browsers
- (4) Resource locators
- (5) Search engines

Q197. Which of the following is used for manufacturing computer chips?

- (1) Control bus
- (2) Semiconductor
- (3) Control unit
- (4) Parity unit
- (5) Interpreter

Q198. What does USB stand for?

- (1) United Serial Bus
- (2) Universal Serial By-Pass
- (3) Universal System Bus
- (4) Universal Serial Bus
- (5) United System Bus

Q199. The most significant system software program in a computer system is

- (1) Interpreter
- (2) Operating system
- (3) ALU
- (4) Compiler
- (5) Firewall

Q200. Safari, Google Chrome, Internet explorer, etc are known as

- (1) Browser
- (2) Extension
- (3) Protocol
- (4) Domain
- (5) URL

---Answer---

A1.4

A4.2

A7.4

A2.1

A5.5

A8.1

A3.3

A6.2

A9.3



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

A10.5	A48.3	A86.2
A11.3	A49.2	A87.5
A12.2	A50.1	A88.4
A13.4	A51.5	A89.3
A14.1	A52.2	A90.1
A15.5	A53.1	A91.2
A16.2	A54.4	A92.3
A17.5	A55.5	A93.4
A18.1	A56.1	A94.5
A19.3	A57.2	A95.3
A20.4	A58.3	A96.1
A21.4	A59.2	A97.2
A22.5	A60.4	A98.3
A23.3	A61.1	A99.4
A24.2	A62.1	A100.1
A25.1	A63.3	A101.5
A26.2	A64.2	A102.1
A27.4	A65.2	A103.2
A28.3	A66.2	A104.3
A29.5	A67.2	A105.4
A30.1	A68.3	A106.5
A31.5	A69.3	A107.1
A32.4	A70.2	A108.2
A33.3	A71.3	A109.1
A34.1	A72.4	A110.2
A35.2	A73.1	A111.3
A36.3	A74.4	A112.1
A37.1	A75.2	A113.2
A38.4	A76.1	A114.4
A39.2	A77.4	A115.3
A40.5	A78.4	A116.1
A41.5	A79.3	A117.2
A42.4	A80.3	A118.4
A43.5	A81.3	A119.1
A44.3	A82.4	A120.2
A45.1	A83.5	A121.1
A46.3	A84.4	A122.3
A47.3	A85.4	A123.2



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

A124.4	A150.5	A176.4
A125.4	A151.1	A177.3
A126.3	A152.2	A178.4
A127.1	A153.3	A179.3
A128.3	A154.4	A180.3
A129.1	A155.3	A181.2
A130.4	A156.4	A182.1
A131.2	A157.2	A183.2
A132.3	A158.1	A184.1
A133.2	A159.4	A185.1
A134.3	A160.4	A186.1
A135.3	A161.5	A187.2
A136.1	A162.5	A188.1
A137.4	A163.1	A189.2
A138.2	A164.1	A190.1
A139.1	A165.3	A191.3
A140.1	A166.4	A192.3
A141.4	A167.4	A193.1
A142.2	A168.3	A194.1
A143.3	A169.2	A195.4
A144.3	A170.3	A196.5
A145.1	A171.3	A197.2
A146.2	A172.4	A198.4
A147.1	A173.4	A199.2
A148.4	A174.1	A200.1
A149.4	A175.3	---Answer---

---Explanation---

E1.

1 2 3 4 5 6 7 8 9 10  
E L E C T R I C A L

Specified Letters ⇒ L, R, I, A

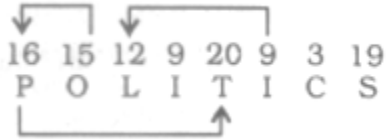
Meaningful Words ⇒ RAIL, LIRA, RIAL



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

E3.



E6. E sits at the extreme right end. E is an immediate neighbour of only B. Two persons - C and B – are sitting between E and A. D sits fourth to the left of E.

E7. S is sitting at the extreme right end of the Row-2.

E8. Q sits third to the left of S.

E9. A is facing P.

E10. D is facing S.

E12. T lives on floor numbered five.

E13. T lives on floor numbered five ( $5 - 1 = 4$ ).

V lives on floor numbered seven ( $7 - 1 = 6$ ).

Q lives on floor numbered six ( $6 - 1 = 5$ ).

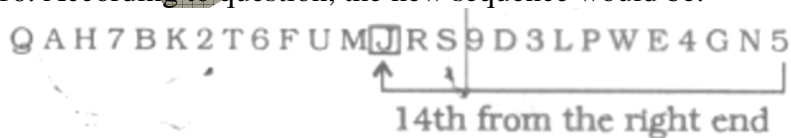
S lives on floor numbered three ( $3 - 1 = 2$ ).

R lives on floor numbered one ( $1 + 2 = 3$ ).

E14. P lives immediately above S.

E15. R lives on floor numbered one.

E16. According to question, the new sequence would be:



E17. 5th to the left of 18th from the left end means 13th from the left end.



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

Q A \$ H ★ 7 B K 2 & T 6 @ F U M J # R S 9 D . . . . .

13th from the left end

E18.

Number	Symbol	Letter
--------	--------	--------

Such combinations are:

2 & T ; 6 @ F

E19.

7  $\xrightarrow{+2}$  K  $\xrightarrow{-5}$  \$

M  $\xrightarrow{+2}$  #  $\xrightarrow{-5}$  @

T  $\xrightarrow{+3}$  F  $\xrightarrow{-6}$  K

D  $\xrightarrow{+2}$  L  $\xrightarrow{-5}$  R

%  $\xrightarrow{+2}$  4  $\xrightarrow{-5}$  P

E20.

Q  $\xrightarrow{+1}$  A  $\xrightarrow{+3}$  ★  $\xrightarrow{+5}$  &  $\xrightarrow{+7}$  J

\$  $\xrightarrow{+3}$  7  $\xrightarrow{+5}$  T  $\xrightarrow{+7}$  #  $\xrightarrow{+9}$  W

A  $\xrightarrow{+2}$  H  $\xrightarrow{+4}$  K  $\xrightarrow{+6}$  F  $\xrightarrow{+8}$  D

E22.

All inks are paints.



All paints are colours.



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

A + A  $\Rightarrow$  A-type of Conclusion

"All inks are colours".

This is Conclusion II.

Conclusion I is the Converse of the first Premise.

E23.

Some cards are invites.

No invite is a greeting.

I + E  $\Rightarrow$  O - type of Conclusion "Some cards are not greetings." Conclusion I and Conclusion II form Complementary Pair. Therefore, either Conclusion I or Conclusion II follows.

E24. Conclusion II is the Converse of the first Premise.

E25. Conclusion (P) supports the Conclusion I.

E26.  $463 - 2 = 461$

$542 + 1 = 543$

$918 + 1 = \mathbf{919}$

$276 + 1 = \mathbf{277}$

$695 - 2 = 693$

E27.  $463 \Rightarrow 346$

$542 \Rightarrow 245$

$918 \Rightarrow 189$

$276 \Rightarrow 267$

$695 \Rightarrow 569$

E28.  $276 < 463 < 542 < 695 < 918$  Fourth number from the right  $\Rightarrow 463$

Sum of the digits of 463  $\Rightarrow 4 + 6 + 3 = 13$

E29. Lowest number  $\Rightarrow 276$

Its second digit  $\Rightarrow 7$

Highest number  $\Rightarrow 918$





# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

Its first digit  $\Rightarrow 9$

Required sum =  $7 + 9 = 16$

E30.  $463 \Rightarrow 364$

$542 \Rightarrow 245$

$918 \Rightarrow 819$

$276 \Rightarrow 672$

$695 \Rightarrow 596$

Highest number  $\Rightarrow 819$

Its first digit  $\Rightarrow 8$

Lowest number  $\Rightarrow 245$

Its second digit  $\Rightarrow 4$

Required answer =  $8/4 = 2$

E31.  $D = E \geq M < A = G; F \leq M \geq N$

$D = E \geq M \geq N$

$F \leq M < A = G$

Conclusions

I.  $N \leq D$  : True

II.  $G > F$  : True

E32.  $P > R \geq A = I < S$

Conclusions

I.  $P \geq I$  : Not True

II.  $S < R$  : Not True

E33.  $Q = U \geq V \geq W$

$Q = U = V = W$

$Q = U > V > W$

Conclusions

I.  $Q > W$  : Not True

II.  $Q = W$  : Not True

Q is either greater than or equal to W. Therefore, either Conclusion I or Conclusion II follows.

E34.  $B < N > O < T;$

$O > L$

$B < N > O > L$

Conclusions



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

- I.  $N > L$  : True
- II.  $T > N$  : Not True

E35.  $H = Y < R \leq C \geq J$

Conclusions

- I.  $J < Y$  : Not True
- II.  $C > H$ : True

E36. Except Q, all others stay in Delhi. Q stays in Mumbai.

E37. N sits exactly between S and O.

E38. R is sitting Just opposite to N. Therefore, R is sitting fourth to the left or right of N.

E39. R stays in Delhi.

S sits third to the left of R.

L sits second to the right of R.

E40. If we move in clockwise direction starting from Q, four persons – R, P, M and S - are sitting between Q and N.

E81. CP. of article = Rs.  $x$  = CP. of article B

According to the question,

$$112x/100 - 80x/100 = 48$$

$$\Rightarrow 32x/100 = 48$$

$$\Rightarrow 32x = 48 \times 100$$

$$\Rightarrow x = 48 \times 100/32 = \text{Rs. } 150$$

E82. Amount received by A = Rs.  $16x$

Amount received by B = Rs.  $13x$

Amount received by C

$$= \text{Rs. } 8 (16x - 13x)$$

$$= \text{Rs. } 24x$$

According to the question,

$$16x + 13x = 24x + 60$$

$$\Rightarrow 29x - 24x = 60$$

$$\Rightarrow 5x = 60$$

$$\Rightarrow x = 60/5 = 12$$



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

∴ Required total amount  
= Rs. (16x + 13x + 24x)  
= Rs. 53x = Rs. (53 x 12)  
= Rs. 636

E83. Initial quantity of juice A  
in the jar = 4x litres

Initial quantity of juice B  
= 3x litres

In 7 litres of mixture.

Juice A = 4 litres

Juice B = 3 litres

According to the question,

$$3x - 3 + 12/7x - 7 + 12 = 60/100$$

$$\Rightarrow 3x + 9/7x + 5 = 3/5 \Rightarrow x + 3/7x + 5 = 1/5$$

$$\Rightarrow 7x + 5 = 5x + 15$$

$$\Rightarrow 7x - 5x = 15 - 5$$

$$\Rightarrow 2x = 10$$

$$\Rightarrow x = 5$$

∴ Initial quantity of mixture

= 7x litres

= 7 x 5 = 35 litres

E84. Number of children in the school = x

According to the question,

$$x^2/7 = x/2 \times 24$$

= Total number of chocolates

$$\Rightarrow x = 12 \times 7 = 84$$

∴ Total number of chocolates

$$= x^2/7 = 84 \times 84/7 = 1008$$

E86. Time = Distance/Speed

According to the question,

$$x/30 = x - 10/25$$

$$\Rightarrow x/6 = x - 10/5$$

$$\Rightarrow 6x - 60 = 5x$$

$$\Rightarrow 6x - 5x = 60$$

$$\Rightarrow x = 60 \text{ km.}$$

E87. Speed of boat in still water = x kmph.



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

Distance covered in downstream = d km.

Rate downstream

$$= (x + 3) \text{ kmph}$$

Rate upstream

$$= (x-3) \text{ kmph}$$

According to the question,

Distance = Speed x Time

$$\therefore (x + 3) \times 12/60$$

$$= \frac{1}{2} \times (x - 3) \times 40/60$$

$$\Rightarrow (x + 3) \times 3 = (x - 3) \times 5$$

$$\Rightarrow 3x + 9 = 5x - 15$$

$$\Rightarrow 5x - 3x = 15 + 9$$

$$\Rightarrow 2x = 24$$

$$\Rightarrow x = 12 \text{ kmph}$$

88. (4) Amount borrowed by Shyam from the bank = Rs. x (let)

S.I. = Principal x Time x Rate/100

According to the question,

$$x \times 12 \times 3/100 - x \times 8 \times 3/100 = 720$$

$$\Rightarrow 36x/100 - 24x/100 = 720$$

$$\Rightarrow 12x/100 = 720$$

$$\Rightarrow x = 720 \times 100/12 = \text{Rs. } 6000$$

E89. Total marks scored in 14 mock tests =  $14 \times 89 = 1246$

Total marks scored in first 11 mock tests

$$= (6 \times 78.5 + 5 \times 87)$$

$$= 471 + 435 = 906$$

Total marks scored in the last 3 mock tests

$$= 1246 - 906 = 340$$

$\therefore$  Marks obtained in 14<sup>th</sup> mock test

$$= 7/17 \times 340 = 140$$

E90. The pattern is :

$$5 \times 1 + 1 = 5 + 1 = 6$$

$$6 \times 2 + 2 = 12 + 2 = 14$$

$$14 \times 3 + 3 = 42 + 3 = 45$$

$$45 \times 4 + 4 = 180 + 4 = 184$$

$$184 \times 5 + 5 = 920 + 5 = \mathbf{925}$$



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

E91. The pattern is :

$$13 + 1^2 = 13 + 1 = 14$$

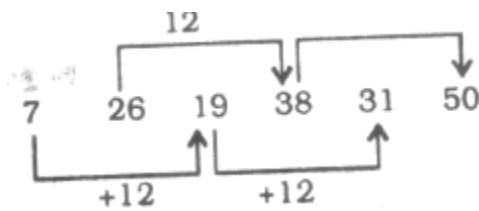
$$14 - 2^2 = 14 - 4 = 10$$

$$10 + 3^2 = 10 + 9 = 19$$

$$19 - 4^2 = 19 - 16 = 3$$

$$3 + 5^2 = 3 + 25 = \mathbf{28}$$

E92. The pattern is :



E93. The pattern is :

$$4 + 7 = 11$$

$$11 + 14 (=7 + 7) = 25$$

$$25 + 20 (= 14 + 6) = 45$$

$$45 + 25 (= 20 + 5) = 70$$

$$70 + 29 (= 25 + 4) = \mathbf{99}$$

E94. The pattern is :

$$8 + (1 + 1^3) = 8 + 2 = 10$$

$$10 + (2 + 2^3) = 10 + 10 = 20$$

$$20 + (3 + 3^3) = 20 + 30 = 50$$

$$50 + (4 + 4^3) = 50 + 68 = 118$$

$$118 + (5 + 5^3) = 118 + 130 = 248$$

E95. Avi's monthly Income = Rs. x (let)

Expenditure on shirt and Ravi = 35%

Remaining amount

$$= x \times 65/100 = \text{Rs. } 13x/20$$

Remaining amount after expenditure on rent

$$= 13x/20 \times 70/100 = \text{Rs } 91x/200$$

According to the question,

$$91x/200 = 12740$$

$$\Rightarrow x = 12740 \times 200/91$$

$$= \text{Rs. } 28000$$



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

E96. Total applications received :

$$\text{Position A} \Rightarrow 145 + 168 + 169 + 190 + 174 = 846$$

$$\text{Position E} \Rightarrow 113 + 133 + 105 + 119 + 197 = 667$$

$$\text{Required difference} = 846 - 667 = 179$$

E97. Required ratio

$$= (160 + 145) : (113 + 197)$$

$$= 305 : 310$$

$$= 61 : 62$$

E98. Total applications received for position D

$$= 114 + 125 + 175 + 137 + 189$$

$$= 740$$

∴ Required average

$$= 740/5 = 148$$

E99. Total applications received on Monday

$$= 145 + 160 + 163 + 114 + 113$$

$$= 695$$

∴ Required average =  $695/5 = 139$

E100. Total applications received :

$$\text{Position A} \Rightarrow 145 + 168 + 129 + 190 + 174 = 806$$

$$\text{Position B} \Rightarrow 160 + 145 + 124 + 133 + 154 = 716$$

$$\text{Position C} \Rightarrow 163 + 98 + 88 + 138 + 175 = 662$$

$$\text{Position D} \Rightarrow 114 + 125 + 175 + 137 + 189 = 740$$

$$\text{Position E} \Rightarrow 113 + 133 + 105 + 119 + 197 = 667$$

E101. A's 1 day's work =  $1/36$

B's 1 day's work =  $1/20$

Let C alone complete the work in x days.

According to the question.

$$(A + B)'s 12 days work + C's 3 days work = 1$$

$$\therefore 12/36 + 12/20 + 3/x = 1$$

$$\Rightarrow 1/3 + 3/5 + 3/x = 1$$

$$\Rightarrow 5 + 9/15 + 3/x = 1 \Rightarrow 14/15 + 3/x = 1$$



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

$$\Rightarrow 3/x = 1 - 14/15 = 1/15$$

$$\Rightarrow x = 3 \times 15 = 45 \text{ day}$$

$$E102. ? \times 450/100 - 200 \times 250/100 = 1300$$

$$= ? \times 9/2 - 500 = 1300$$

$$= ? \times 9/2 = 1300 + 500 = 1800$$

$$\Rightarrow ? = 1800 \times 2/9 = 400$$

$$E103. ? = 306/12 + 0.25 - 5.75 = 25.5 + 0.25 - 5.75 = 20$$

$$E104. ?^2 = (225.15 + 74.85 - 50) \times 2.5$$

$$= (300 - 50) \times 2.5$$

$$= 250 \times 2.5 = 25 \times 25$$

$$\therefore ? = 25$$

$$E105. ? = 4 \frac{5}{7} \times 1 \frac{10}{11} \times 4 \frac{5}{9}$$

$$= 33/7 \times 21/11 \times 41/9 = 41$$

$$E106. (1/144)^{1/2} \div (1/64)^{1/3} \times 27$$

$$= (1/122)^{1/2} \div (1/43)^{1/3} \times 27$$

$$= 1/12 \div 1/4 \times 27$$

$$= 1/12 \times 4 \times 27 = 9$$

$$E107. ? - 260/65 \times 176/22 = 427$$

$$\Rightarrow ? - 32 = 427$$

$$\Rightarrow ? = 427 + 32 = 459$$

$$E108. ? = 1/13 \times 9 \frac{3}{4} + 7 \frac{1}{2} - 2$$

$$= 1/13 \times 39/4 + 15/2 - 2$$

$$= 3/4 + 15/2 - 2$$

$$= 3 + 30 - 8/4 = 25/4 = 6.25$$

$$E109. 1/6 \times \sqrt{256} \times ? + 26 = 90$$

$$\Rightarrow 1/6 \times 16 \times ? = 90 - 26$$

$$\Rightarrow 8 \times ?/3 = 64 \Rightarrow 8 \times ? = 64 \times 3$$

$$\Rightarrow ? = 64 \times 3/8 = 24$$



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

$$\begin{aligned} \text{E110. } ? &= 1.6 \times 1.3 - 2.2 \times 0.4 \\ &= 2.08 - 0.88 = 1.2 \end{aligned}$$

$$\begin{aligned} \text{E111. } 2^? \times \sqrt{576} &= 540/3 - 84 \\ \Rightarrow 2^? \times 24 &= 180 - 84 \\ \Rightarrow 2^? \times 24 &= 96 \\ \Rightarrow 2^? &= 96/24 = 4 \\ \Rightarrow 2^? &= 2^2 \Rightarrow ? = 2 \end{aligned}$$

$$\begin{aligned} \text{E112. } ?^2 &= 40 \times 12 + 520/5 \\ &= 480 + 520/5 = 1000/5 = 200 \\ \therefore ? &= \sqrt{200} = 10\sqrt{2} \end{aligned}$$

$$\begin{aligned} \text{E113. } 81^2 \times 243 \times 9^3 \div 3^5 &= 3^{?-9} \\ \Rightarrow (3^4)^2 \times 3^5 \times (3^2)^3 \div 3^5 &= 3^{?-9} \\ \Rightarrow 3^8 \times 3^6 \div 3^5 &= 3^{?-9} \Rightarrow 3^{14} = 3^{?-9} \\ \Rightarrow ? - 9 &= 14 \\ \Rightarrow ? &= 14 + 9 = 23 \end{aligned}$$

$$\begin{aligned} \text{E114. } \sqrt{?^2} \times 10^2 &= 5^2 \times 2^2 \\ \Rightarrow ? \times 10 &= 5^2 \times 2^2 \\ \Rightarrow ? &= 5^2 \times 2^2 / 10 = 10 \end{aligned}$$

$$\begin{aligned} \text{E115. } ? &= 360 \times 25/100 + 25 \times 60/100 \\ &= 360 \times 25/25 \times 60 = 6 \end{aligned}$$

$$\begin{aligned} \text{E116. } ?^2 &= 1 \frac{1}{5} + 2 \frac{1}{10} - 1 \frac{1}{20} \\ &= 6/5 + 21/10 - 21/20 \\ &= 24 + 42 - 21/20 = 45/9 = 9/4 \\ \therefore ? &= \sqrt{9/4} = 3/2 = 1.5 \end{aligned}$$

$$\begin{aligned} \text{E117. According to the question.} \\ B &= 2C \\ A &= C + 2600 \\ \therefore A + B + C &= 33800 \\ \Rightarrow C + 2600 + 2C + C &= 33800 \\ \Rightarrow 4C &= 33800 - 2600 = 31200 \end{aligned}$$





# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

$$\Rightarrow C = 31200/4 \Rightarrow \text{Rs. } 7800$$

$$\therefore B = 2 \times 7800 = \text{Rs. } 15600$$

$$A = 7800 + 2600 = \text{Rs. } 10400$$

$$\therefore A : B : C = 7800 : 15600 : 10400$$

$$= 78 : 156 : 104 = 3 : 6 : 4$$

$$\text{Sum of the terms of ratio} = 3 + 6 + 4 = 13$$

$$\text{Total profit} = \text{Rs. } 16120$$

$$\therefore A\text{'s share} = \text{Rs. } (3/13 \times 16120)$$

$$= \text{Rs. } 3720$$

E118. Side of square =  $3x$ cm

Breadth of rectangle =  $2x$ cm

$$\therefore \text{Length of rectangle} = (2x + 4) \text{ cm.}$$

According to the question,

$$\text{Perimeter of square} = \text{Perimeter of rectangle}$$

$$\therefore 4 \times 3x = 2(2x + 4 + 2x)$$

$$\Rightarrow 12x = 8x + 8$$

$$\Rightarrow 4x = 8$$

$$\Rightarrow x = 2$$

$$\therefore \text{Breadth of rectangle} = 4 \text{ cm}$$

$$\text{Its length} = 8 \text{ cm}$$

$$\therefore \text{Area of rectangle} = 8 \times 4 = 32 \text{ sq. cm.}$$

E119. Two years ago,

$$B\text{'s age} = x \text{ years (let)}$$

$$\therefore A\text{'s age} = 2x \text{ years}$$

According to the question,

After 3 years from today,

$$x + 5 + 2x + 5 = 46$$

$$\Rightarrow 3x = 46 - 10 = 36$$

$$\Rightarrow x = 36/3 = 12$$

$$\therefore A\text{'s present age} = (2x + 2) \text{ years}$$

$$= (2 \times 12 + 2) \text{ years}$$

$$= 26 \text{ years}$$

E120.  $A = P(1 + R/100)^T$

$$= 5000 (1 + 20/100)^2$$

$$= 5000 \times (1 + 1/5)^2$$



# SHAKTHII ACADEMY

Increasing Confidence ; Reaching Goals

$$\begin{aligned} &= 5000 \times 6/5 \times 6/5 = \text{Rs. } 7200 \\ \therefore \text{ S.I. received from scheme B} \\ &= \text{Principal} \times \text{Rate} \times \text{Time} / 100 \\ &= 7200 \times 2 \times 12/100 \\ &= \text{Rs. } 1728 \end{aligned}$$

---Explanation---

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