

State Bank of India & Associate Banks Clerk Recruitment Exam, 2015

TEST-I : GENERAL AWARENESS

- The Cabinet Ministers for Urban Development, Housing and Urban Poverty Alleviation and Parliamentary affairs in the Union Council of Ministers is
 - Mr. D.V. Sadananda Gowda
 - Mr. Anant Geete
 - Mr. Rajnath Singh
 - Mr. Vankiah Naidu
 - Mr. Nitin Gadkari
- The World Cancer day is observed every year on
 - 14th October
 - 4th February
 - 14th September
 - 4th March
 - 14th December
- Capital Market in India is controlled by which of the following?
 - MRTP
 - SEBI
 - IRDA
 - RBI
 - FEMA
- In International Banking terms, 'Appreciation' of Rupee means
 - Excess of exports over imports
 - Purchasing power of rupee has come down
 - Availability of less foreign currency vis-à-vis rupee
 - Excess of imports over exports
 - Availability of more foreign currency vis-à-vis rupee
- The book 'Wandering in many Worlds' is the autobiography eminent jurist and former Supreme Court Judge
 - Justice V.R. Krishna Iyer
 - Justice Mohammad Hidayatullah
 - Justice Altamas Kabir
 - Justice R.M. Lodha
 - Justice P. Sathasivam
- Which of the following is not the Banking Organization?
 - ICICI Prudential
 - Axis Bank
 - Kotak Mahindra
 - ICICI Bank
 - HDFC Bank
- Who amongst the following is the chairperson of the newly conducted 'NITI AYOJ'?'
 - Prime Minister of India
 - President of India
 - Vice President of India
 - Finance Minister of India
 - Other than those given as options
- The term 'CASA' is used in which of the following industries?
 - Machine Manufacturing
 - Travel and Tourism
 - Textile Industry
 - Software Industry
 - Banking and Finance
- A non performing Asset in Banking Business means
 - A fixed asset of bank is not been utilized
 - A portion of deposits not been utilized
 - A loan asset on which interest and/or installments remain unchanged
 - Only 2
 - Only 3
 - Only 1
 - Only 2 & 3
 - Only 1 & 3

23. The year 2015 is being observed as the International year of light and Light-Based Technologies as the initiative of
- United Nation Organisations (UNO)
 - International Energy Forum (IEF)
 - Global Environment Facility (GEF)
 - World Trade Organizations (WTO)
 - International Union for Conservation of Nature (IUCN)
24. A Committee is set up by the Central Government recently has suggested that the Sick Public Sector undertakings could be revived with the help of cash rich PSUs. The Committee was headed by
- Rajeev Maharishi
 - Arvind Mayaram
 - Shri Arup Roy Choudhary
 - Bibek Debroy
 - Arvind Bhatnagar
25. Which of the following is correct in respect of the International Monetary Funds?
- It can lead to any country
 - It lends only to the Central Bank of the country
 - It lends only to developing countries
 - It lends only to member countries
 - It lends only to developed countries
26. India's latest Communication Satellite GSAT-16 has recently been placed in orbit from the space port of kourou in French Guiana. GSAT-16 has a designated on orbit operational life of
- Twenty years
 - Twelve years
 - Fifteen years
 - Ten years
 - Twenty five years
27. Dandi Kutir, a museum on the life and works of Mahatma Gandhi has recently been opened in
- Rajkot, Gujarat
 - Gandhinagar, Gujarat
 - Durban, South Africa
 - Wardha, Maharashtra
 - Other than those given as options
28. The International Boundary between 'United States of America' and 'Canada' is often referred to as.....
- 23rd Parallel
 - 49th Parallel
 - 45th Parallel
 - 31st Parallel
 - 37th Parallel
29. Haryana has the worst Male-female ratio among all states. As per 2011 census, the number of females per 1000 males in Haryana in 2011 stood at
- 799 females against 1000 males
 - 879 females against 1000 males
 - 979 females against 1000 males
 - 939 females against 1000 males
 - 959 females against 1000 males
30. Which of the following is the largest of the Great Lakes of North America and is generally considered as the largest freshwater lake in the World in terms of surface area?
- Great Bear Lake
 - Lake Michigan
 - Great Slave Lake
 - Lake Ruron
 - Lake Superior
31. Former President and Prime Minister Sir Anerood Jugnauth has recently been named as a Prime Minister of
- Mauritius
 - Maldives
 - Myanmar
 - Fiji Islands
 - Madagascar
32. Who amongst the following has recently been named as the winner of the Sahitya Academy Award 2014 for Sanskrit?
- Pramod Kumar Goyal
 - Prabhu Nath Dwedi
 - Gopinath Raviraj
 - Dr. Damodar Khadse
 - Kamalesh Dutt Tripathi
33. Who among the following is called the father of 'MICRO FINANCING' and was also awarded Noble Peace Prize for the same?
- Kuldip Sharma
 - Muhammad Yunus
 - Ravi Raj
 - Arvind Mayaram
 - None of these
34. Who amongst the following has recently taken over as the chief of the 'Intelligence Bureau'?
- Kuldip Sharma
 - Dineshwar Sharma

- C. Rahul Sharma
D. Ajay Kumar Sharma
E. Anil Kumar Sinha
35. The present day currency of Republic of Philippines' is
- A. Philippine Kuna
B. Philippine Pound
C. Philippine Peso
D. Philippine Rupee
E. Philippine Dollar
36. Which of the following is an objective of Monetary Policy?
- A. Regulate capital markets
B. Regulate Insurance Trade
C. Regulate commodity markets
D. Other than those given as options
E. Accelerate economic growth, obtain price stability and stabilize exchange rates
37. Who amongst the following is an opposite activity of 'SPECULATION'?
- A. Arbitrage B. Long
C. Short D. Hedging
E. Spread
38. Indian Swimmer Bhakti Sharma has recently set a world record by swimming 1.4 miles in 52 minutes in one degree temperature in which ocean?
- A. Arctic Ocean B. Antarctica Ocean
C. Pacific Ocean D. Arabian Sea
E. Indian Ocean
39. With a view to enhance co-operation in the explorations on Mars, ISRO has recently set up a joint working group with
- A. National Aeronautics and Space Administration
B. European Space Agency (ESA)
C. Canadian Space Agency (CSA)
D. Other than those given as options
E. (ROSCOMOS)
40. The 2015 G-20 Summit is scheduled to be held in
- A. Brisbane, Australia
B. Ottawa, Canada
C. Cannes, France
D. Saint Petersburg, Russia
E. Antalya, Turkey

TEST-II : GENERAL ENGLISH

Directions (Qs. No. 41-50) : *Read the following passage carefully and answer the given question. Certain words have been given in bold to help you locate them while answering some of the questions.*

Once upon a time a Brahmin lived in a big city and as a result of his misdeeds in his previous birth, he became a thief. He saw four other Brahmins from another city selling a variety of goods in his city. He thought he should somehow deprive the four Brahmins of their money and through sweet words became their good friend. He was being useful to them in whatever way he could. True, it comes naturally for women of vice to act coy and for charlatans to pretend to be learned.

The four visitors sold all their goods and with the money from the sales bought pearls and precious jewels. The Brahmin thief was keeping an eye on what they were doing even as he pretended to serve

them faithfully. One day, in the presence of the Brahmin, the traders cut open their thighs and storing the jewels and pearls inside the thighs sewed them back.

The Brahmin was disappointed that they did not give him even a small part of their wealth. He immediately decided to follow them and kill them in the middle of their journey back home and take all that wealth from them.

He told the traders with tears in his eyes, "Friends, you seem to be ready to leave me behind. My heart is broken because it is difficult for me to snap the bonds of friendship with you. If you will be so kind so as to take me with you, I will be very grateful to you."

Moved by his request, the traders started their homeward journey accompanied by the Brahmin thief. They passed through several villages, towns

and cities before they reached a village inhabited by thugs. Suddenly, they heard a group of crows loudly shouting. "Everybody listen, very rich people are coming. Come, kill them and become rich."

The thugs at once attacked the Brahmin traders with sticks and began examining their bags. But they found nothing. They were surprised because this was the first time that the words of the crows had turned out to be false. They told the traders, "O traders, the crows always tell the truth. You have the money with you somewhere. Take it out or we will cut every limb of yours and bring it out."

The Brahmin thief pondered, "These thugs will certainly pierce the body of the traders to grab the jewels. My turn also will come. It is better I offer myself to these thugs and save the lives of the Brahmins. There is no point in fearing death because it will come today or after hundred years. One cannot escape it."

With these thoughts on his mind, the Brahmin thief asked the thugs to first kill him and see if there was anything valuable on his body. The thugs accepted the offer and found nothing on him after they pierced his body. They let go of the other four Brahmins thinking that they also did not have anything precious on their bodies and that the crows were in fact wrong this time around.

41. Which of the following cannot be said about the Brahmin thief?

1. He gave up his life so that the Brahmin traders could live.
2. He collaborated with the thugs in the village in order to steal from the traders.
3. He told the traders that he would protect them from the thugs.

- A. Only 1 B. Only 1 and 2
C. Only 3 D. All 1, 2 and 3
E. Only 2 and 3

42. Choose the word/s which is/are most similar in meaning to the word given in bold as used in the passage.

Pondered

- A. confused B. thought
C. asked D. argued
E. objected

43. Which of the following can be said about the crows in the story?

1. The village thugs punished the crows for lying to them about the traders.
2. They were in fact wrong about the traders carrying riches.
3. They would inform the village thugs about wealthy people approaching the village.

- A. Only 2 and 3 B. Only 1
C. Only 3 D. Only 1 and 3
E. All 1, 2 and 3

44. Choose the word which is most opposite in meaning to the word given in bold as used in the passage.

Disappointed

- A. hopeful B. happy
C. popular D. appointed
E. heightened

45. Choose the word which is most opposite in meaning to the word given in bold as used in the passage.

Inhabited

- A. occupied B. escaped
C. dwelled D. devoid
E. pursued

46. Which one of the following qualities did the Brahmin thief possess?

- A. He was perceptive
- B. He was generous
- C. He was rich
- D. He was short-tempered
- E. He was friendly

47. Choose the word/s which is/are most similar in meaning to the word given in bold as used in the passage.

Snap

- A. impulsive B. instant
C. break D. spontaneous
E. sound

48. Which of the following is true according to the story?

- A. The lives of the four Brahmin traders were spared in the end.

- B. The Brahmin thief had plans to kill the Brahmin traders for their wealth.
- C. The Brahmin traders had started to trust the Brahmin thief.
- D. The Brahmin thief knew that death was inevitable.
- E. All the given statements are true.

49. Which of the following can be the most appropriate title for the story?
- A. The Brahmin Thief
 - B. The Village of Crows
 - C. The Thugs and the Traders
 - D. The Precious Jewels
 - E. The Path of Riches

50. Why did the Brahmin thief serve the Brahmin traders faithfully?
- A. He wanted to become a trader like them and wanted to learn the nuances.
 - B. He was fond of them and wanted to be good friends with them.
 - C. He was making up for the misdeeds of his previous life.
 - D. He wanted to earn their trust so that he could steal from them.
 - E. Other than those given as options.

Directions (Qs. No. 51-55) : *The sentence has a blank indicating that something has been omitted. Choose the word that best fit the meaning of the sentence as a whole.*

51. you really want to grow as an entrepreneur, you have to learn to delegate.
- A. Accordingly
 - B. If
 - C. Whether
 - D. Lately
 - E. Perhaps
52. OPEC is a group of 12 nations whose members approximately 40 per cent of the world's oil requirements.
- A. comprise
 - B. including
 - C. estimate
 - D. delivers
 - E. supply

53. Our is that a global climate agreement to cut greenhouse gas emissions will be finalised at the summit.
- A. trouble
 - B. hope
 - C. support
 - D. offer
 - E. worries

54. She is the first woman to lead a central bank of a major developed economy and has predicted economic trends.
- A. excellent
 - B. proper
 - C. correct
 - D. insightful
 - E. accurately

55. Since the government has increased funding to education the number of children enrolled in schools has
- A. fell
 - B. growing
 - C. improved
 - D. heighten
 - E. rise

Directions (Qs. No. 56-60) : *In this question, 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, 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, mark 'All correct' as your answer.*

56. Investors are become more **confedint** about economic **recovery** because the government has announced **reforms**.
- A. investors
 - B. confedint
 - C. recovery
 - D. reforms
 - E. All correct
57. It is **expected** that RBI will **slash** interest **rates** before the government **presence** the budget.
- A. expected
 - B. slash
 - C. rates
 - D. presence
 - E. All correct

58. Though all stories of courage are **unique** and touching, his story especially has **left a lasting impression** on me.
 A. unique B. left
 C. lasting D. impression
 E. All correct
59. My **experience** has **shown** that one can **achieve** whatever we want to in life if we are **motivated**.
 A. experience B. shown
 C. achieve D. motivated
 E. All correct
60. One of the **responsibilities** of the finance commission is to make **recommendations** on the **distribution of expenditure** between the centre and the state.
 A. responsibilities B. recommendations
 C. distribution D. expenditure
 E. All correct

Directions (Qs. No. 61-65) : Rearrange the given six sentences/group.

Sequence so as to form a meaningful paragraph.

- Now when the wise sage returned he saw a large crowd gathered on the road and his well-fed disciple in its midst, accepting offerings for the rock.
- "Look!", they exclaimed in excitement. "There is something written on the rock! What can it mean?"
- The sage was away and his disciple, who loved to put on an air of learning, examined the drawings on the rock and proclaimed. "Each person using the road must worship the rock and make an offering. The one who ignores this will turn into a donkey!"
- He examined the rock, moved it aside, lifted out a pot-of gold hidden beneath it which he said had to be used to keep the road in good repair and kept his disciple cleaning cowsheds for the remainder of the year to atone for his greed.
- A large crowd gathered and they all had the same question so they decided to go to the ashram of a wise sage.

6. The road was a very busy one which connected a large number of villages and one day a group of students discovered a rock.

61. Which of the following should be the fifth sentence after the rearrangement?
 A. 1 B. 3
 C. 4 D. 5
 E. 6
62. Which of the following should be the second sentence after the rearrangement?
 A. 1 B. 2
 C. 3 D. 4
 E. 6
63. Which of the following should be the sixth (last) sentence after the rearrangement?
 A. 1 B. 2
 C. 3 D. 4
 E. 6
64. Which of the following should be the first sentence after the rearrangement?
 A. 1 B. 2
 C. 4 D. 5
 E. 6
65. Which of the following should be the third sentence after the rearrangement?
 A. 1 B. 2
 C. 4 D. 5
 E. 6

Directions (Qs. No. 66-70) : Read the sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark 'No Error' as your answer. Ignore the errors of punctuation, if any.

66. Pummy immediately realised/that her mother was trying/to explain the important of/giving proper instructions.
 A. Pummy immediately realised
 B. that her mother was trying
 C. to explain the important of
 D. giving proper instructions
 E. No error

67. The distance between/our eyes and/ears equals the width/of four fingers.
 A. The distance between
 B. our eyes and
 C. ears equals the width
 D. of four fingers
 E. No error
68. The jeweller, along with/his staff, went to/the village and/caught Seth Karodia red-hand.
 A. The jeweller, along with
 B. his staff, went to
 C. the village and
 D. caught Seth Karodia red-hand
 E. No error
69. Once it was heard that/all the horses/in the village had/caught an unknowing disease.
 A. Once it was heard that
 B. all the horses
 C. in the village had
 D. caught an unknowing disease
 E. No error
70. The Principal rewarded/the dance teacher because teaching/the children. to/perform so well.
 A. The Principal rewarded
 B. the dance teacher because teaching
 C. the children to
 D. perform so well
 E. No error

Directions (Qs. No. 71-80) : *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 an oil merchant and a trader on their way to Ranganagar had a fight (71) a bag of money. They went to meet Shrimant to (72) their issue. Shrimant asked, "What happened?" The trader said, "This oil merchant (73) my money bag when I was sleeping!" "It is mine. When people buy oil from me. I keep the money inside it," said the oil merchant. Shrimant asked the trader, "Have you ever been to his shop?" The trader replied, "No, never!".

Soon a crowd collected outside Shrimant's house. They (74) how he would solve this case. Shrimant said, "Someone bring me water". A servant brought some water. Shrimant (75) the bag in water. After a little (76), a few oil globules began to (77). "This bag (78) to the oil merchant as there is oil on it. The trader says that he has been never been to the oil shop, so it (79) be his! Trader, you will be punished for (80)," declared Shrimant.

The impressed crowd appreciated Shrimant's ability to solve the problem within minutes.

- | | |
|----------------|-------------|
| 71. A. over | B. with |
| C. in | D. because |
| E. of | |
| 72. A. handled | B. resolve |
| C. deal | D. figure |
| E. setting | |
| 73. A. stole | B. hide |
| C. received | D. withdrew |
| E. withdrew | |
| 74. A. know | B. curious |
| C. wondered | D. wished |
| E. confused | |
| 75. A. immerse | B. bath |
| C. dipped | D. soaking |
| E. rose | |
| 76. A. times | B. ago |
| C. occasion | D. age |
| E. while | |
| 77. A. jumping | B. ride |
| C. drop | D. bubbles |
| E. float | |
| 78. A. belongs | B. refers |
| C. point | D. shows |
| E. applies | |
| 79. A. never | B. may |
| C. more | D. cannot |
| E. perhaps | |
| 80. A. cheater | B. lying |
| C. wrongly | D. trick |
| E. mislead | |

TEST-III : QUANTITATIVE APTITUDE

Directions (Qs. No. 81-85) : What will come in place of the question mark (?) in the given number series?

81. 369 380 402 435 ? 534
A. 452 B. 501
C. 528 D. 479
E. 494

82. 154 158 185 201 326 ?
A. 424 B. 354
C. 362 D. 380
E. 398

83. 3 27 189 945 ? 2835
A. 2835 B. 3780
C. 945 D. 1890
E. 4725

84. 721 361 181 91 46 ?
A. 22 B. 28
C. 18 D. 20.5
E. 23.5

85. 2 7 26 101 400 ?
A. 1595 B. 980
C. 1294 D. 896
E. 1080

86. Present ages of Neha and Rashmi are in the ratio of 7 : 8 respectively. Six years hence, the ratio of their ages will become 9 : 10 respectively. What is Rashmi's present age? (in years).

A. 36 B. 24
C. 28 D. 40
E. 42

87. The compound interest (compounded annually) on a certain sum of money @ 20 p.c.p.a. for 2 years is ₹ 5,632. What is the simple interest on the same sum of money @ 12 p.c.p.a. for 3 years?

A. ₹ 4,608
B. ₹ 4,464
C. ₹ 4,672
D. ₹ 4,752
E. ₹ 4,536

88. A and B started a business together by investing ₹ 10,400 and ₹ 14,300 respectively. After 4 months C joined them with an amount of ₹ 9,100. If they earned an annual profit of ₹ 11,360. What is C's share of profit?

A. ₹ 2,520 B. ₹ 2,240
C. ₹ 2,660 D. ₹ 2,100
E. ₹ 2,380

89. The present population of village P is 2 times the population of village Q an year ago. If after a year, the population of village Q will be 3528 increasing at a constant rate of 20% every year. what is the present population of village?

A. 4200 B. 3250
C. 4900 D. 4650
E. 3850

90. The sum of two numbers is 506. If the second number is $\frac{5}{18}$ th of the first number. What is the difference between the $\frac{4}{9}$ of the first number and $\frac{2}{11}$ of the second number?

A. 162 B. 156
C. 140 D. 136
E. 180

91. The sum of 5 consecutive odd numbers of set-A is 185. What will be the average of Set-B, containing 4 consecutive even numbers, if the smallest number of Set-B is 13 more than the highest number of Set-A.

A. 55 B. 61
C. 53 D. 57
E. 59

92. Two cars, A and B started moving from the same point at the same time towards opposite direction (A toward North and B towards South). If the speed of car A is 34.5 kmph and that of car B is 41.5 kmph. after how much time will they be 684 km apart? (in hours)

A. 7 B. 11
C. 12 D. 8
E. 9

115. $\frac{1472}{?} + \frac{2925}{9} = 965$

- A. 2.3 B. 4.8
C. 5.2 D. 3.6
E. 1.5

116. Sushant spent 18% of his monthly salary on buying electronic goods and 32% of the monthly salary on repair work in his house. Out of the remaining amount he invested 42% in fixed deposits. If he was left with ₹ 12,325, how much is his annual salary?

- A. ₹ 5,18,000 B. ₹ 5,02,600
C. ₹ 5,15,600 D. ₹ 5,00,200
E. ₹ 5,10,000

117. When $\frac{2}{5}$ of a number is added to 169, it becomes thrice of itself. What is the number?

- A. 50 B. 90
C. 45 D. 65
E. 80

118. A alone can finish a piece of work in 42 days. B is 20% more efficient than A and C is 40% more efficient than B. In how many days B and C working together can finish the same piece of work? (in days)

A. $11\frac{5}{12}$

B. $13\frac{5}{12}$

C. $15\frac{1}{12}$

D. $14\frac{7}{12}$

E. $12\frac{11}{12}$

119. Ashish has ₹ 10 notes and ₹ 20 notes only. If the number of ₹ 20 notes is twice the number of ₹ 10 notes and the total amount he has is ₹ 3,250, what is the total number of notes that he has?

- A. 180 B. 174
C. 195 D. 145
E. 165

120. Vessel A contains 36 litres of mixture of milk and water and vessel B contains 80 litres of mixture of milk and water. The respective ratio of milk and water in vessel A is 3 : 2 and the respective ratio of milk and water in the vessel B is 7 : 3. If 18 litres of mixture is taken out from vessel B and added to vessel A, how many litres of water will be there in vessel A?

- A. 21.4 B. 19.8
C. 17.6 D. 20.4
E. 18.8

TEST-IV : REASONING

121. L is the daughter of K. L is married to D. B is the son of D. T is married to B. How is D related to T?

- A. Father-in-law
B. Mother-in-law
C. Cannot be determined
D. Father
E. Mother

Directions (Qs. No. 122-127) : Study the following information to answer the given question.

B, C, D, E, F, G, H and I are seated in a straight line facing North but not necessarily in the same order.

Only two people sit between B and I. B sits at one of the extreme ends of the line.

G sits second to the right of I. E sits third to the left of H. H is not an immediate neighbour of G. D and F are immediate neighbours of each other. Neither D nor F is an immediate neighbour of H. D does not sit at any of the extreme ends of the line.

122. Who amongst the following sits exactly in the middle of the person who sits third from the left and the person who sits second from the right?

- A. H B. E
C. D D. G
E. C

123. What is the position of H with respect to G?
 A. Third to the right B. Second to the right
 C. Fifth to the right D. Fourth to the left
 E. Second to the left
124. If all the given people are made to sit in alphabetical order from left to right, the positions of how many of them will remain unchanged?
 A. Three B. None
 C. Two D. One
 E. Four
125. Which of the following is true with respect to E as per the given seating arrangement?
 A. E sits to immediate left to G.
 B. Both I and H are immediate neighbours of E.
 C. Only two people sit to the right of E.
 D. None of the given options is true.
 E. Only one person sit between E and B.
126. Which of the following represents the person seated at the extreme left end of the line?
 A. C B. B
 C. H D. I
 E. F
127. How many persons are seated between D and G?
 A. Three B. Two
 C. None D. Four
 E. One

Directions (Qs. No. 128-130) : Study the given information and answer the given question.

Eight people—K, L, M, N, W, X, Y, Z are sitting around a circular table facing the centre, with equal distances between each other but not necessarily in the same order.

K is not an immediate neighbour of W and Z. M sits third to the right of W. L is an immediate neighbour of W. Only two people sit between L and X. Y sits to the immediate right of N.

128. Which of the following pairs represents the immediate neighbours of M?
 A. X, Y B. Z, Y
 C. X, W D. Z, X
 E. N, W

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

NX ZK LY XM ?

- A. ZK B. WL
 C. ZY D. KL
 E. KW

130. Who amongst the following sits second to the right of M?

- A. N B. K
 C. Z D. X
 E. Y

131. Which of the following statements is true as per the given arrangement?

- A. None of the given options is true.
 B. M sits to the immediate left of N.
 C. X is an immediate neighbour of Z.
 D. N sits second to the right of X.
 E. L sits second to the right of K.

132. How many people sit between X and W as per the given arrangement?

- A. Three B. More than three
 C. None D. One
 E. Two

133. Based on the given arrangement, four of the following five alike in a certain way and so form a group. Which of the following does not belong to the group?

- A. N, L B. M, N
 C. Y, Z D. L, K
 E. K, M

134. If each vowel in the word DOMAINS is changed to next letter in the English alphabetical series and each consonant is changed to previous letter in English alphabetical series and then all alphabets in the word thus formed is arranged in alphabetical order (from left to right), which of the following will be third from the right end of the new arrangement thus formed?

- A. J B. C
 C. P D. M
 E. B

135. Which of the following will come in place of the question mark (?) in the following series as per English alphabetical order?

AC BE CG ? EK

- A. DF B. DG
C. DJ D. CF
E. DI

Directions (Qs. No. 136-138) : The question is based on the five three digit numbers given below:

527 749 456 188 863

136. The sum of all the three digits of which of the following two numbers is exactly the same?

- A. 527 and 749
B. 749 and 188
C. 863 and 456
D. 863 and 188
E. 527 and 188

137. Which of the following is the second digit of the third lowest number?

- A. 6 B. 2
C. 4 D. 8
E. 5

138. If '2' is subtracted from last digit of each of these numbers and '1' is added to the first digit of each of these numbers, which of the following will be the third digit of the second lowest number thus formed?

- A. 6 B. 1
C. 5 D. 4
E. 7

Directions (Qs. No. 139-143) : In this question, a relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statement and select the appropriate answer.

139. **Statements** : $C < O \geq M > P = T > S$

Conclusion I : $S < O$

Conclusion II : $T < C$

- A. Either conclusion I or II is true
B. Neither conclusion I nor II is true
C. Both conclusion I and II are true
D. Only conclusion I is true
E. Only conclusion II is true

140. **Statements** : $S < T \geq O = R; T < V$

Conclusion I : $R \leq S$

Conclusion II : $T \geq R$

- A. Either conclusion I or II is true
B. Neither conclusion I nor II is true
C. Both conclusion I and II are true
D. Only conclusion I is true
E. Only conclusion II is true

141. **Statements** : $Z = M < T \geq F > U$

Conclusion I : $Z < F$

Conclusion II : $U < M$

- A. Either conclusion I or II is true
B. Neither conclusion I nor II is true
C. Both conclusion I and II are true
D. Only conclusion I is true
E. Only conclusion II is true

142. **Statements** : $S < T \geq O = R; T < V$

Conclusion I : $V > S$

Conclusion II : $R < V$

- A. Either conclusion I or II is true
B. Neither conclusion I nor II is true
C. Both conclusion I and II are true
D. Only conclusion I is true
E. Only conclusion II is true

143. **Statements** : $M < A \leq L = V < B \geq T$

Conclusion I : $B > A$

Conclusion II : $T \leq M$

- A. Either conclusion I or II is true
B. Neither conclusion I nor II is true
C. Both conclusion I and II are true
D. Only conclusion I is true
E. Only conclusion II is true

144. In a certain code, 'DEVOTE' is coded as 'GBYLWB' and 'MOSTLY' is coded as 'PLVQOV'. How will TENURE be coded in the same code?

- A. RUBWBQ B. WBQRUB
C. WHQXUH D. XUHWQH
E. WQBURB

Directions (Qs. No. 145-149) : In this question two/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 the commonly known

facts and then decide which the given conclusions logically follow from the given statements disregarding commonly known facts.

145. **Statements** : All suns are moons. Some suns are planets.

Conclusion I : All moons are suns.

Conclusion II : At least some moons are planets.

- A. Either conclusion I or II is true
- B. Neither conclusion I nor II is true
- C. Both conclusion I and II are true
- D. Only conclusion I is true
- E. Only conclusion II is true

146. **Statements** : All dancers are artists. No artist is a racer.

Conclusion I : No dancer is a racer.

Conclusion II : At least some dancers are racers.

- A. Either conclusion I or II is true
- B. Neither conclusion I nor II is true
- C. Both conclusion I and II are true
- D. Only conclusion I is true
- E. Only conclusion II is true

147. **Statements** : Some rails are trains. Some rails are locals.

Conclusion I : At least some trains are locals.

Conclusion II : No train is a local.

- A. Either conclusion I or II is true
- B. Neither conclusion I nor II is true
- C. Both conclusion I and II are true
- D. Only conclusion I is true
- E. Only conclusion II is true

148. **Statements** : Some jars are cans. No can is a box.

Conclusion I : No jar is a box.

Conclusion II : Some jars are boxes.

- A. Either conclusion I or II is true
- B. Neither conclusion I nor II is true
- C. Both conclusion I and II are true
- D. Only conclusion I is true
- E. Only conclusion II is true

149. **Statements** : All solutions are problems. All questions are solutions.

Conclusion I : No question is a problem.

Conclusion II : All questions are problems.

- A. Either conclusion I or II is true
- B. Neither conclusion I nor II is true
- C. Both conclusion I and II are true
- D. Only conclusion I is true
- E. Only conclusion II is true

Directions (Qs. No. 150-154) : Study the following arrangement carefully and answer the question.

B S * 4 M @ K % 9 + A L \$ R 3 U 5 H & # Z V
2 Ω W 7 Q X 6 € F G £

150. If all the symbols are dropped from the arrangement then which will be twelfth element from the right end of the given arrangement?

- A. 5
- B. R
- C. U
- D. H
- E. A

151. Four of the following five 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?

- A. R3H5
- B. S*@M
- C. X€FQ
- D. #ZΩ2
- E. %9LA

152. How many such numbers are there in the given arrangement, each of which is immediately followed by a letter and also immediately preceded by a symbol?

- A. One
- B. None
- C. Two
- D. Three
- E. More than three

153. Which of the following is fourteenth to the left of the nineteenth from the left end of the given arrangement?

- A. 6
- B. M
- C. 4
- D. X
- E. @

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

BS* 4@K 9L\$ U#Z ?

- A. 7FG
- B. WXF
- C. W€F
- D. W6G
- E. Ω6F

Directions (Qs. No. 155-160) : Study the given information and answer the given question.

In a certain code language,

'go to the park' is written as 'et ge ud hu'
'park full of children' is written as 'bo ud dr cx'
'the play of children' is written as 'dr hu cx kl'
'to play full time' is written as 'sy et bo kl'
(All the codes are two letter codes)

155. Which of the following possibly means 'study time' in the given code language?
- A. pa et B. sy kl
C. sy pa D. dr et
E. sy bo
156. What does 'kl' stand for in the given code language?
- A. play
B. None of the given options
C. to
D. go
E. full
157. In the given code language, what does 'cx' stand for?
- A. either 'of' or 'children'

- B. park
C. play
D. full
E. either 'play' or 'park'

158. In the given code language, what is the code for 'park'?
- A. et B. dr
C. ge D. bo
E. ud
159. What is the code for 'the' in the given code language?
- A. hu B. cx
C. dr D. et
E. ge
160. How many such pairs of letters are there in the word 'BANGLE', 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?
- A. More than three B. Two
C. One D. Three
E. None

TEST-V : Marketing Aptitude and Computer Knowledge

161. A 'Byte' is
- A. Found in the upper left corner of a window screen
B. the part that moves on the desk drive
C. a group of 8 bits of code
D. Found in the upper left corner of window screen
E. the capacity of sound card
162. What is the personal computer operating system that organizes and uses a graphic desktop environment?
- A. RAM B. Windows
C. DOS D. CPU
E. Functions
163. Pricing based on area is called as
- A. Geographic Pricing
B. Area Pricing
C. Skimming Pricing
D. Domestic Pricing
E. Cost plus Pricing
164. If a company is focusing on developing the right combinations of price, promotion, distribution and product, the company is developing a
- A. Marketing policy
B. Marketing mix
C. Marketing discount
D. Marketing research experiment
E. Marketing niche
165. When you click on SAVE on the monitor, and there is no Flash drive or Floppy disk/diskette in a drive, the document or application you are using is stored
- A. on a Tape

- B. in ROM Memory
 C. on the CD-ROM Drive
 D. on the RAM chips
 E. on the Hard drive
166. Storage device that can be plugged directly into a computers USB port is
 A. CKHVW B. DVD
 C. Floppy D. Flash drive
 E. Plug-in
167. The idea behind Market segmentation is
 A. self-single product only
 B. appeal to the total market
 C. spend more money on advertising
 D. spend less money
 E. group various customers into segments that have common needs or will respond similarly to marketing efforts
168. Temporary memory is called as
 A. PROM B. ROM
 C. DOS D. RAM
 E. CAD
169. The printer produces output on paper, often called copy.
 A. soft B. hard
 C. readable D. virtual
 E. real
170. To perform a computing task, software uses hardware for four basics functions
 A. input, processing, storage and output
 B. input, processing, storage and analysis
 C. input, storage, alteration and output
 D. input, storage, retrieval and display
 E. output, input, analysis and viewing
171. Grading means products into different classes.
 A. different B. planning
 C. marketing D. mixing
 E. separating
172. To boot a computer means to
 A. keep it working
 B. turns on the sounds
 C. add extra drives
 D. throw it out it's outdated
 E. turn it on
173. A(an) is a set of rules and standards that any two entities used for communication
 A. interaction B. parameter
 C. language D. interface
 E. protocol
174. Product is a method used by Microsoft to prevent unlicensed used of its software so that you must purchase a windows for each license installations of windows.
 A. installation
 B. scheduling
 C. activation
 D. entitlement
 E. enablement
175. Modern marketing is
 A. product oriented
 B. promotion oriented
 C. price oriented
 D. consumer oriented
 E. profit oriented
176. Windows XP would be an example of component of an information system.
 A. people B. procedure
 C. data D. hardware
 E. software
177. A person asking friends to recommend a family doctor is employing group.
 A. social B. reference
 C. team D. hierarchical
 E. situational
178. What is the message on the screen that requests the operator to enter information or a command?
 A. byte B. character
 C. input device D. window
 E. prompt
179. Which of these is not an example of an input device?
 A. keyboard B. joystick
 C. hard drive D. mouse
 E. scanner

180. Selling the same product at different prices is known as
- dual pricing
 - monopoly pricing
 - geographical pricing
 - multi pricing
 - price lining
181. Windows is
- a kind of operating system
 - a word processing system
 - a monitor display system
 - a video game
 - a graphics display device
182. When IPOD came in the market, demand for walkman downs. This is an example of
- full demand
 - negative demand
 - declining demand
 - latent demand
 - overfull demand
183. Gucci emphasize the 'haute couture' segment of the marketing strategy appears to be the
- multi segment approach
 - narrow-focus approach
 - total-market approach
 - expensive approach
 - concentrated marketing
184. Pictures on the display screen (monitor) are made up of
- bits
 - layers of colours
 - video 'packets'
 - pixels
 - video 'outputs'
185. HP market computers and other products that appeal to people with variety of
- marketing concept approach
 - concentration approach
 - total-market approach
 - total-segment approach
 - multi-segment approach
186. What word means to copy or move files from another computer system to a local computer system over a network?
- function
 - format
 - default
 - approach
 - command
187. When price is set high to reflect the exclusiveness of the product, it is an example of
- skimming pricing
 - premium pricing
 - bundle pricing
 - product line pricing
 - penetrating pricing
188. When a brand is placed on a product that a large manufacturer has created for a smaller retailer, it is called
- manufacturer's brand
 - licensed brand
 - co-brand
 - private brand
 - other than those given as options
189. Price of a product may affect its
- advertisement
 - promotion
 - packing
 - demand
 - marketing
190. Which of the following price strategy involves selling two or more services bundled together?
- relationship pricing
 - price bundling
 - flat rate pricing
 - benefit driven pricing
 - satisfaction based pricing
191. Primary focus of sales promotion advertising is to positively impact on
- after sales service
 - production
 - purchases
 - sales
 - price
192. What is the amount required to buy 200 units of a scheme having an entry load of 1.0% and NAV of ₹ 30 is
- ₹ 6600
 - other than those given as options
 - ₹ 6000
 - ₹ 6060
 - ₹ 5940

193. A person who designs, writes and tests computer programs is known as
- A. network administrator
B. computer technician
C. computer programmer
D. graphics designer
E. data encoder
194. Which of these is not one of the three main functions of a microprocessor? .
- A. decode B. execute
C. fetch D. store
E. Both fetch and execute
195. The term refers to the set of instruction that directs the hardware to accomplish.
- A. middleware B. software
C. hardware D. programmeware
E. stack
196. The lock in period for ELSS Scheme is
- A. 5 years B. 6 months
C. 2 years D. 3 years
E. 1 year
197. What is URL?
- A. A communication method between computers and printers
- B. The address of a page on the world wide web
C. An E-mail address
D. The title of the web-site
E. A communication method between computers and users
198. When a company launches a new product stage of product life cycle could be the most expensive for the company?
- A. growth B. introduction
C. decline D. maturity
E. development
199. Traditionally physical space for exchange of goods by buyers and sellers were called
- A. marketing
B. market
C. company
D. market information
E. market research
200. A device designed to read information encoded into a small plastic card is
- A. Card puncher B. ID puncher
C. Tape puncher D. Badge reader
E. Magnetic tape

ANSWERS

1	2	3	4	5	6	7	8	9	10
D	B	B	E	A	A	A	E	B	C
11	12	13	14	15	16	17	18	19	20
E	B	D	C	B	A	D	E	C	A
21	22	23	24	25	26	27	28	29	30
A	E	A	C	D	B	B	B	B	E
31	32	33	34	35	36	37	38	39	40
A	B	B	B	C	E	D	B	A	E
41	42	43	44	45	46	47	48	49	50
E	B	C	A	C	E	C	E	A	D
51	52	53	54	55	56	57	58	59	60
B	E	B	E	C	B	D	E	C	E
61	62	63	64	65	66	67	68	69	70
A	B	D	E	D	C	E	D	D	B

71	72	73	74	75	76	77	78	79	80
A	B	A	C	C	E	E	A	D	B
81	82	83	84	85	86	87	88	89	90
D	C	A	E	A	B	A	B	C	B
91	92	93	94	95	96	97	98	99	100
D	E	A	C	D	C	D	E	E	D
101	102	103	104	105	106	107	108	109	110
E	A	D	E	C	C	D	A	B	D
111	112	113	114	115	116	117	118	119	120
D	E	D	B	A	E	D	D	C	B
121	122	123	124	125	126	127	128	129	130
A	B	E	C	A	B	A	D	E	B
131	132	133	134	135	136	137	138	139	140
D	A	D	D	E	D	B	D	D	E
141	142	143	144	145	146	147	148	149	150
B	C	D	B	E	D	A	A	E	A
151	152	153	154	155	156	157	158	159	160
C	A	B	C	C	A	A	E	A	A
161	162	163	164	165	166	167	168	169	170
C	B	A	B	D	D	E	D	B	A
171	172	173	174	175	176	177	178	179	180
E	E	E	C	D	E	B	E	C	C
181	182	183	184	185	186	187	188	189	190
A	C	E	D	E	E	B	A	E	B
191	192	193	194	195	196	197	198	199	200
D	D	C	D	B	D	B	B	B	D

SOME SELECTED EXPLANATORY ANSWERS

81. $369 \quad 380 \quad 402 \quad 435 \quad \boxed{479} \quad 534$
 $\quad \quad \quad +11 \quad +22 \quad +33 \quad +44 \quad +55$

Hence, 479 will come in the place of the question mark (?).

82. $154 \quad 158 \quad 195 \quad 201 \quad 326 \quad \boxed{362}$
 $\quad \quad \quad +4 \quad 27 \quad 16 \quad 125 \quad 36$
 $\quad \quad \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $\quad \quad \quad 2^2 \quad 3^3 \quad 4^2 \quad 5^3 \quad 6^2$

Hence, required no. = 362.

83. $3 \quad 27 \quad 189 \quad 945 \quad \boxed{2835} \quad 2835$
 $\quad \quad \quad \times 9 \quad \times 7 \quad \times 5 \quad \times 3 \quad \times 1$

Hence, required no. = 2835.

84. $721 \quad 361 \quad 181 \quad 91 \quad 46 \quad \boxed{23.5}$
 $\quad \quad \quad -360 \quad -180 \quad -90 \quad -45 \quad -22.5$

Hence, required no. = 23.5.

85. $2 \quad 7 \quad 26 \quad 101 \quad 400 \quad \boxed{1595}$
 $\quad \quad \quad 2 \times 4 - 1 \quad 7 \times 4 - 2 \quad 26 \times 4 - 3 \quad 101 \times 4 - 4 \quad 400 \times 4 - 5$

Hence, required no. = 1595.

86. Let present age of Neha = $7x$ years
and present age of Rashmi = $8x$ years
After 6 years Neha's age = $(7x + 6)$ years
After 6 years Rashmi's age = $(8x + 6)$ years
According to the question,

$$\frac{7x+6}{8x+6} = \frac{9}{10}$$

$$\Rightarrow 70x + 60 = 72x + 54$$

$$\Rightarrow 2x = 6$$

$$\Rightarrow x = 3$$

$$\therefore 8x = 8 \times 3 = 24$$

Hence; present age of Rashmi = 24 years.

87. C.I. = $\left[P \left(1 + \frac{r}{100} \right)^2 - P \right]$

$$= P \left[\left(1 + \frac{20}{100} \right)^2 - P \right]$$

$$\Rightarrow 5632 = P \left[\frac{36-25}{25} \right] = \frac{11P}{25}$$

$$\therefore P = \frac{5632 \times 25}{11}$$

$$= ₹ 12800$$

$$S.I. = \frac{12800 \times 12 \times 3}{100}$$

$$= ₹ 4608.$$

88. A : B : C = $10400 \times 12 : 14300 \times 12 : 9100 \times 8$
= $10400 \times 3 : 14300 \times 3 : 9100 \times 2$
= $312 : 429 : 182$
= $24 : 33 : 14$

\therefore Share of C in the profit

$$= \frac{14}{71} \times 11360$$

$$= 14 \times 160 = ₹ 2240.$$

89. Let one year ago population of village

$$Q = x$$

Now population after one year

$$3528 = x \left(1 + \frac{20}{100} \right)^2$$

$$\Rightarrow 3528 = x \left(\frac{6}{5} \right)^2$$

$$\Rightarrow x = \frac{3528 \times 25}{36} = 2450$$

\therefore Present Population of village P

$$= 2 \times 2450 = 4900.$$

90. Let first number = x

$$\therefore \text{2nd number} = \frac{5x}{18}$$

According to the question,

$$x + \frac{5x}{18} = 506$$

$$\Rightarrow 23x = 18 \times 506$$

$$\Rightarrow x = \frac{18 \times 506}{23}$$

$$= 18 \times 22 = 396$$

$$\therefore \text{Other number} = 506 - 396 = 110$$

Now $\frac{4}{9}$ of first no. - $\frac{2}{11}$ of 2nd no.

$$= \frac{4}{9} \times 396 - \frac{2}{11} \times 110$$

$$= 4 \times 44 - 2 \times 10$$

$$= 176 - 20 = 156.$$

91. $x + (x + 2) + (x + 4) + (x + 6) + (x + 8)$

$$= 185$$

$$\Rightarrow 5x + 20 = 185$$

$$\Rightarrow 5x = 165$$

$$\Rightarrow x = 33$$

$$\text{Highest number of Set A} = 33 + 8 = 41$$

$$\text{Smallest number of Set B} = 41 + 13 = 54$$

$$\text{Average} = \frac{54+56+58+60}{4}$$

$$= \frac{228}{4}$$

Hence, required average = 57.

92. \therefore They are moving in opposite direction.

$$\begin{aligned}\therefore \text{Relative speeds} &= 34.5 + 41.5 \\ &= 76 \text{ km/hr}\end{aligned}$$

$$\text{Required time} = \frac{684}{76} = 9 \text{ hrs.}$$

93. Required average

$$= \frac{156 + 179 + 211 + 259 + 230}{5}$$

$$= \frac{1035}{5} = 207.$$

94. Total amount of gold and silver in N

$$= 215 + 181 + 163 = 559$$

$$\text{Amount of silver} = \frac{6}{13} \times 559$$

$$= 6 \times 43 = 258.$$

95. Required % increase

$$= \frac{(231 - 180)}{180} \times 100$$

$$= \frac{51}{180} \times 100$$

$$= \frac{85}{3} = 28\frac{1}{3}\%.$$

96.

$$\text{August} = 250 + \frac{8}{100} \times 250$$

$$= 250 + 20 = 270$$

$$\text{September} = 270 + \frac{20}{100} \times 270$$

$$= 270 + 54 = 324.$$

97. Total pendants sold in August

$$= \frac{7}{9} (205 + 198 + 259 + 165 + 181)$$

$$= \frac{7}{9} \times 1008$$

$$= 7 \times 112 = 784.$$

98. \therefore Area of lawn = $\frac{22}{7} \times r^2$

$$\Rightarrow 154 = \frac{22}{7} \times r^2$$

$$\Rightarrow r^2 = \frac{154 \times 7}{22}$$

$$\Rightarrow r = 7 \text{ m}$$

$$\text{Required area} = \pi \times R^2$$

$$= \frac{22}{7} \times 14 \times 14$$

$$= 22 \times 28 = 616 \text{ m}^2.$$

99. Let length of rectangle = $4x$ m

and breadth of rectangle = $3x$ m

$$\text{Area of rectangle} = 4x \times 3x = 12x^2$$

According to the question,

$$12x^2 = 1728$$

$$\Rightarrow x^2 = \frac{1728}{12} = 144$$

$$\Rightarrow x = 12$$

$$\therefore \text{length} = 4 \times 12 = 48 \text{ m}$$

$$\text{breadth} = 3 \times 12 = 36 \text{ m}$$

$$\text{Perimeter of rectangle} = 2(l + b)$$

$$= 2(48 + 36)$$

$$= 2 \times 84 = 168 \text{ m.}$$

100. Let the cost of each chair = ₹ x

$$\text{Profit} = \frac{20}{100} \times x = \frac{x}{5}$$

$$\text{S.P. of each chair} = x + \frac{x}{5} = \frac{6x}{5}$$

$$\text{S.P. of 8 chairs} = 8 \times \frac{6x}{5} = \frac{48x}{5}$$

$$\text{Again, Profit} = \frac{10}{100} \times x = \frac{x}{10}$$

$$\text{S.P. of each chair} = x + \frac{x}{10} = \frac{11x}{10}$$

$$\text{S.P. of 6 chairs} = 6 \times \frac{11x}{10} = \frac{33x}{5}$$

Total S.P. of 14 chairs

$$= \frac{48x}{5} + \frac{33x}{5}$$

$$= \frac{81x}{5}$$

$$\text{S.P. of each chair} = x + \frac{12}{100} \times x$$

$$= x + \frac{3x}{25} = \frac{28x}{25}$$

$$\text{S.P. of 14 chairs} = \frac{28x}{25} \times 14$$

According to the question,

$$\frac{81x}{5} - \frac{28x \times 14}{25} = 442$$

$$\Rightarrow \frac{405x - 392x}{25} = 442$$

$$\Rightarrow 13x = 25 \times 442$$

$$\Rightarrow x = \frac{25 \times 442}{13}$$

$$= 25 \times 34 = 850$$

Hence, cost of each chair = ₹ 850.

101. 120% of 750 ÷ 25 - 16

$$= \frac{x}{100} \times 1240 \div 31$$

$$\Rightarrow \frac{120}{100} \times \frac{750}{25} - 16 = \frac{x}{100} \times 40$$

$$\Rightarrow 20 = \frac{4x}{10}$$

$$\Rightarrow x = \frac{20 \times 10}{4}$$

$$\Rightarrow x = 50\%$$

102.

$$\frac{\frac{2}{5} - \frac{1}{4}}{\frac{16}{15}} = x - \frac{2}{3}$$

$$\Rightarrow \frac{2}{5} \times \frac{15}{16} - \frac{1}{4} = \frac{3x-2}{3}$$

$$\Rightarrow \frac{3}{8} - \frac{1}{4} = \frac{3x-2}{3}$$

$$\Rightarrow \frac{3-2}{8} = \frac{3x-2}{3}$$

$$\Rightarrow \frac{1}{8} = \frac{3x-2}{3}$$

$$\Rightarrow 24x - 16 = 3$$

$$\Rightarrow 24x = 19$$

$$\Rightarrow x = \frac{19}{24}$$

103. 1.5% of 4600 + 2.8% of 2000 - 109

$$= \frac{15}{10 \times 100} \times 4600 + \frac{28}{10 \times 100} \times 2000 - 109$$

$$= 69 + 56 - 109$$

$$= 125 - 109 = 16.$$

104. 452 + 312 ÷ 13 = 34 × x

$$\Rightarrow 452 + 24 = 34 \times x$$

$$\Rightarrow 476 = 34x$$

$$\Rightarrow x = \frac{476}{34} = 14.$$

105.

$$\frac{\frac{256^4}{8} - \frac{3}{5}}{\frac{5}{5}} = \frac{4}{8} - \frac{3}{5}$$

$$\frac{4 \times 5}{8} - \frac{3}{5} = \frac{5}{2} - \frac{3}{5}$$

$$= \frac{25-6}{10}$$

$$= \frac{19}{10} = 1\frac{9}{10}$$

106.

$$\frac{512 \times 5^2 \times 3}{45 \times 32} = \frac{8 \times 8 \times 8 \times 5 \times 5 \times 3}{5 \times 3 \times 3 \times 8 \times 4}$$

$$\frac{80}{3} = 26\frac{2}{3}$$

$$\begin{aligned}
 107. \quad & \sqrt{36 \times 18 \times 32} = x \times 3 \\
 \Rightarrow & 6 \times 3\sqrt{2} \times 4\sqrt{2} = x \times 3 \\
 \Rightarrow & 6 \times 3 \times 8 = x \times 3 \\
 \Rightarrow & x = \frac{6 \times 3 \times 8}{3} = 48.
 \end{aligned}$$

$$\begin{aligned}
 108. \quad & 24 \times \frac{\sqrt{1225}}{x} = 120 \\
 \Rightarrow & 24 \times \frac{35}{x} = 120 \\
 \Rightarrow & x = \frac{24 \times 35}{120} = 7.
 \end{aligned}$$

$$\begin{aligned}
 109. \quad & \frac{(0.8)^3 - (0.4)^3}{(0.8)^3 + (0.8)^3} = \frac{0.512 - 0.064}{0.512 + 0.512} \\
 & = \frac{0.448}{1.024} \\
 & = \frac{448}{1024} = \frac{7}{16}.
 \end{aligned}$$

$$\begin{aligned}
 110. \quad & \frac{[890.9 - 512.3]}{126.2} = \frac{378.6}{126.2} \\
 & = \frac{3786}{1262} = 3.
 \end{aligned}$$

$$\begin{aligned}
 111. \quad & (8 \times 16 \div 256 \times 512) \div 2^x = 1 \\
 \Rightarrow & \left(\frac{8 \times 16}{256} \times 512 \right) \div 2^x = 1 \\
 \Rightarrow & 256 \div 2^x = 1 \\
 \Rightarrow & 2^8 \div 2^x = 1 \\
 \Rightarrow & 2^{8-x} = (2)^0 \\
 \Rightarrow & 8 - x = 0 \\
 \Rightarrow & x = 8.
 \end{aligned}$$

$$\begin{aligned}
 112. \quad & \frac{1}{5} \times \frac{11}{13} \times \frac{39}{55} \times 1200 = 562 - x \\
 \Rightarrow & \frac{1}{5} \times \frac{3}{5} \times 1200 = 562 - x
 \end{aligned}$$

$$\begin{aligned}
 \Rightarrow & 3 \times 48 = 562 - x \\
 \Rightarrow & x = 562 - 144 = 418.
 \end{aligned}$$

$$\begin{aligned}
 113. \quad & 59 - 2\sqrt{5} \times 3\sqrt{5} = 72 - x \\
 \Rightarrow & 59 - 30 = 72 - x \\
 \Rightarrow & 29 = 72 - x \\
 \Rightarrow & x = 72 - 29 = 43.
 \end{aligned}$$

$$\begin{aligned}
 114. \quad & \left[\frac{(\sqrt{6400}) - (\sqrt{625})}{11} \right] \\
 & = \frac{80 - 25}{11} = \frac{55}{11} = 5.
 \end{aligned}$$

$$\begin{aligned}
 115. \quad & \frac{1472}{x} + \frac{2925}{9} = 965 \\
 \Rightarrow & \frac{1472}{x} + 325 = 965 \\
 \Rightarrow & \frac{1472}{x} = 965 - 325 = 640 \\
 \Rightarrow & x = \frac{1472}{640} = \frac{23}{10} = 2.3.
 \end{aligned}$$

116. Let monthly salary = ₹ x

$$\begin{aligned}
 & = x - \left(\frac{18}{100}x + \frac{32}{100} \times x \right) \\
 & = x - \frac{50x}{100} = x - \frac{x}{2} = \frac{x}{2} \\
 & = \frac{x}{2} - \frac{42}{100} \times \frac{x}{2} = \frac{x}{2} - \frac{21x}{100} \\
 & = \frac{50x - 21x}{100} = \frac{29x}{100}
 \end{aligned}$$

According to the question,

$$\begin{aligned}
 \frac{29x}{100} & = 12325 \\
 \Rightarrow & x = \frac{12325 \times 100}{29} \\
 & = ₹ 42500.
 \end{aligned}$$

∴ Hence, annual salary of Sushant
 $= 42500 \times 12$
 $= ₹ 5,10,000.$

117. Let the number = x

$$\frac{2}{5}x + 169 = 3x$$

$$\Rightarrow 3x - \frac{2}{5}x = 169$$

$$\Rightarrow 13x = 5 \times 169$$

$$\Rightarrow x = \frac{5 \times 169}{13} = 65$$

Hence, required number = 65.

118. Ratio of times taken by A and B

$$120 : 100 = 6 : 5$$

Suppose B takes x days to do the work

$$6 : 5 :: 42 : x$$

$$\Rightarrow x = \frac{5 \times 42}{6} = 35 \text{ days}$$

Now, ratio of times taken by B and C

$$140 : 100 = 7 : 5$$

Suppose C takes y days to do the work

$$7 : 5 :: 35 : y$$

$$\Rightarrow y = \frac{5 \times 35}{7} = 25 \text{ days}$$

(B + C)'s 1 day work

$$= \frac{1}{35} + \frac{1}{25}$$

$$= \frac{5+7}{175} = \frac{12}{175}$$

Hence, B and C can do this work together

$$= \frac{175}{12} = 14 \frac{7}{12} \text{ days.}$$

119. Let the number of ₹ 10 notes = x
 and number of ₹ 20 notes = y
 $y = 2x$

Amount of ₹ 10 notes = ₹ $10x$

Amount of ₹ 20 notes = ₹ $20y$

According to the question,

$$10x + 20y = 3250$$

$$\Rightarrow 10x + 20(2x) = 3250$$

$$\Rightarrow 50x = 3250$$

$$\Rightarrow x = 65$$

$$y = 2x$$

$$= 2 \times 65 = 130$$

Hence, total number of notes

$$= 130 + 65 = 195.$$

120. Amount of milk in vessel A

$$= \frac{3}{5} \times 36 = 21.6 \text{ litres}$$

Amount of water in vessel A

$$= \frac{2}{5} \times 36 = 14.4 \text{ l}$$

Amount of milk in vessel B

$$= \frac{7}{10} \times 80 = 56 \text{ l}$$

Amount of water in vessel B

$$= \frac{3}{10} \times 80 = 24 \text{ l}$$

∴ In 80 litres mixture water

$$= 24 \text{ l}$$

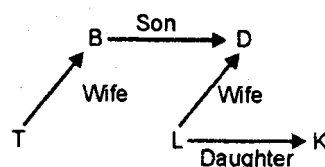
In 18 litres mixture water

$$= \frac{24}{80} \times 18 = \frac{54}{10} = 5.4 \text{ l}$$

∴ Quantity of water in vessel A

$$= 14.4 + 5.4 = 19.8 \text{ litres.}$$

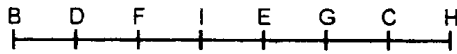
121.



Hence from the given diagram 'D' is father-in-law of 'T'.

122. From (Qs. No. 122 to 127)

Seating arrangement can be represented as



123. Second to the left.

124. Two.

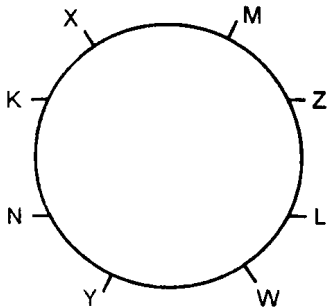
125. E sits to immediate left of G.

126. B is at the extreme end of the line.

127. Three persons are there between D and G.

From Qs. No. 128 to 133

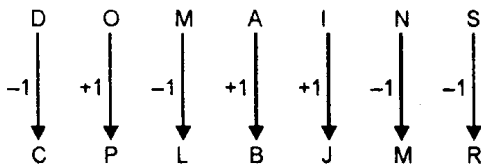
Seating arrangement according to the given information.



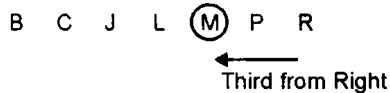
128. Z and X are the immediate neighbours of 'M'.

130. 'K' sits second to the right of 'M'.

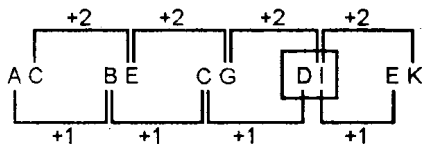
132. According to the given information:



Alphabetically rearrangement



135.



136. $863 \rightarrow 8 + 6 + 3 = 17$

$188 \rightarrow 1 + 8 + 8 = 17$

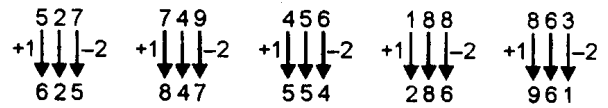
137. Numbers in ascending order.

$$188 < 456 < 527 < 749 < 863$$

Third lowest number

Second digit of 527 is '2'.

138. According to the question



in ascending order

$$286 < 554 < 625 < 847 < 961$$

554 is the second lowest number and the third digit of this number is 4.

139. $S < T = P < M \leq O$

$\Rightarrow S < O$.

140. $T \geq O = R$

$\Rightarrow T \geq R$.

142. $S < T < V$

$\Rightarrow V > S$

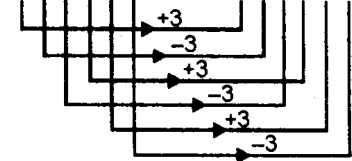
and $V > T \geq O = R$

$\Rightarrow V > R$

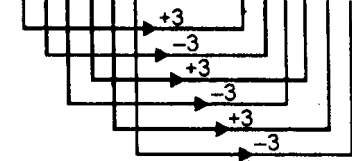
143. $B > V = L \geq A$

$\Rightarrow B > A$.

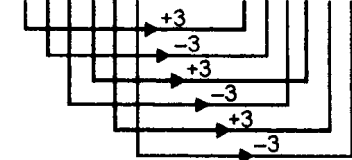
144. DEVOTE GBYLBW

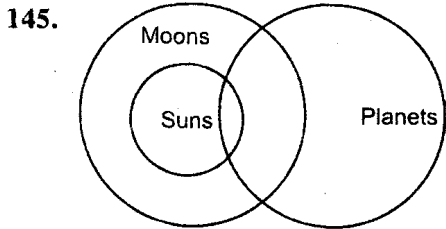


MOSTLY PLVQOV

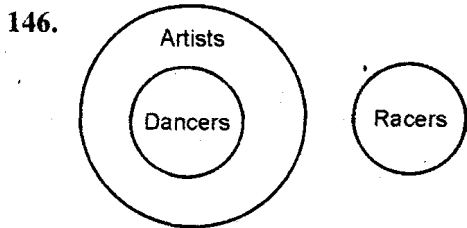


TENURE WBQRUB

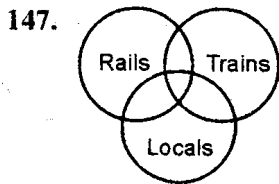




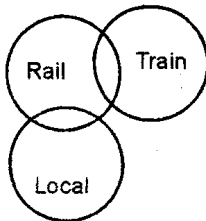
Only conclusion II is true.



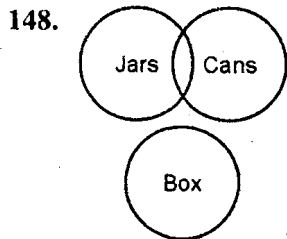
Only conclusion I is true.



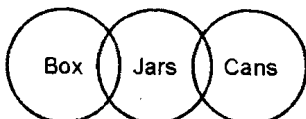
or



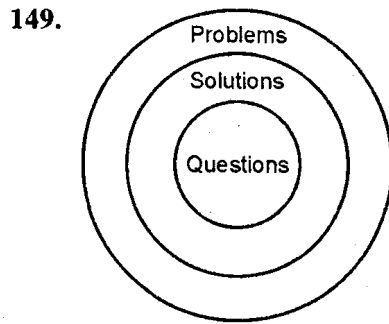
Either conclusion I or II is true.



or



Either conclusion I or II is true.



Only conclusion II is true.

150. Arrangement after dropping the symbols
 B S 4 M K 9 A L R 3 U 5 H Z V Z W 7 Q X 6 F G
 ↓
 Twelfth from Right

151. Two pair are taken from the arrangement of which second is reversed.

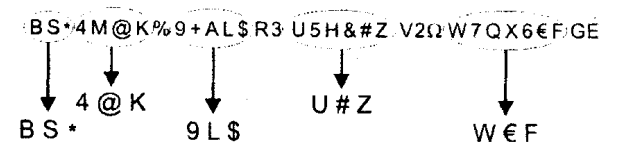
- A. $\frac{R3}{5H} \frac{R3}{5S}$
- B. $\frac{S*}{M@} \frac{S*}{@M}$
- C. X € F Q
- D. $\frac{\#Z}{2\Omega} \frac{\#Z}{\Omega 2}$
- E. $\frac{\%9}{AL} \frac{\%9}{LA}$

Only option (C) does not follow the sequence.

152. There is only one such number in the arrangement.

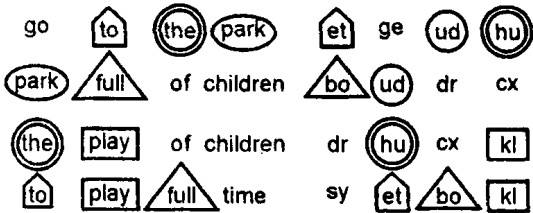
153. 'M' is fourteenth to the nineteenth from the left.

154. From the given arrangement



Hence the answer is W € F.

For Qs. No. 155-160



From information 3 and 4,

play → kl

From information 2 and 3,

full → bo

From information 1 and 4,

to → et

From information 4,

time → sy

From information 2 and 3,

the → hu

From information 1 and 2,

park → ud

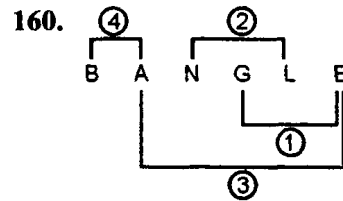
155. For 'pa' code is not given, hence the code for study will be 'pa', then code 'sypa' is for 'study time'.

156. 'kl' is given for 'play'.

157. In the given code language 'cx' is stand either for 'of' or 'children'.

158. In the given code language, 'ud' is given for 'park'.

159. 'hu' is given for 'the' in the given code language.



Hence, there are more than three such pairs are present in the word bangle.