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**Total Test 57**

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Q1. 60% of 38 of a number is 180, find the number.

Ans: 800

Q2. In a test match, the total score of team India was 640. Virat Kohli scores 30% of the total score. If in 1st innings he scored 92 runs, then what was his score in 2nd innings?

Ans: 100

Q3. What percent of  $(a + b)^2$  is  $(a + b)$ ?

Ans:  $(100a+b)\%$

Q4. Aman buys 180 pens for Rs 750. How many pens can he buy for Rs 100?

Ans: 24

Q5. Calculate 70% of 80% of  $(500 \div 56)$ .

Ans: 5

Q6. What is the percentage of vowels present in the word "PERCENTAGE"?

Ans: 40%

Q7. A number is increased by 50% and then reduced to 50%, the result thus obtained is 780. Find the original number.

Ans: 1040

Q8. The tens digit of a two digit number is 200% more than its unit digit. Which of the following can be that possible number?

Ans: All of these

Q9. If 80% of a number is 560, what will be 70% of that number?

Ans: 490

Q10. Find  $b\%$  of  $a\%$  of 7600.

Ans:  $0.76ab$

Q11. Population of a town increases by 15% per year. If the population of that town is 10,36,725 this year, what was the population in the previous year?

Ans: 9,01,500

Q12. If a number is added to its 75%, it gives 1750. Find the number.

Ans: 1000

Q13. Two numbers are 30% and 60% more than a third number respectively. Find the ratio of the first two numbers.

Ans: 13:16

Q14. What percent of place value of 2 is its face value in 68520?

Ans: 10%

Q15. A man covers 500 m on foot, 30 km on the bike and 70 km by car. What percent of his total journey is covered on foot?

Ans: 0.49%

Q16. Which of the following sentence/s is/are grammatically correct?

S1: Writing in second language is especially challenging.

S2: Writing in a second language is especially challenging.

Ans: S2

Q17. Which of the following sentence/s is/are grammatically correct?

S1: Do you like reading the grammar rules on this page?

S2: Do you like reading grammar rules on this page?

Ans: S1

Q18. Mr. Sharma holds \_\_\_\_ honorary post in the Income Tax department.

Ans: An

Q19. \_\_\_\_ children are always curious.

Ans: No article required

Q20. In order to understand the problem of the patient properly, the doctor asks for \_\_\_\_ X-ray report of the whole body.

Ans: An

Q21. Global warming is \_\_\_\_ universal problem.

Ans: A

Q22. He wanted \_\_\_\_ puppy he played with at the pet shop.

Ans: The

Q23. He is \_\_\_\_ LL.B student at Nalsar University, Hyderabad.

Ans: An

Q24. \_\_\_\_ friend in need is a friend indeed.

Ans: A

Q25. Which of the following sentence/s is/are grammatically correct?

S1: The New Delhi is one of the most polluted cities in India.

S2: New Delhi is one of the most polluted cities in India.

Ans: S2

Q26. I can't live on \_\_\_\_\_ 5000Rs. a month.

Ans: No article required

Q27. They usually spend their holidays in \_\_\_\_\_ mountains.

Ans: The

Q28. Which of the following sentence/s is/are grammatically correct?

S1: A study says that an European prefers to live alone or with just one other person.

S2: A study says that the European prefers to live alone or with just one other person.

Ans: Neither S1 nor S2

Q29. Someone, please call \_\_\_\_\_ police!

Ans: The

Q30. Sahara is \_\_\_\_\_largest desert in the world.

Ans: The

Q31. What percent is a of  $(b + c + d)$ ?

Ans: 33.33%

Q32. In an election between two candidates, 10% of the people did not vote. Winning candidate won the election by 1080 votes and it was found that he had been supported by 60% of the total number of voters. Which of the following can be the number of votes receded for each candidate?

Ans: 3240, 2160

Q33. The number of boys to that of girls in a school is 120 : 30. If 75% of boys and 70% of the girls are scholarship-holders. Find the percentage of students who do not get a scholarship?

Ans: 26%

Q34. The commission of a broker decreases by 25%, by how much he increased his business so as to get the same amount of commission?

Ans: 33.33%

Q35. In a maternity center, 10% of all the childbirth cases result in twins. What is the approximate percentage of twins of total children born?

Ans: 18.2%

Q36. Concentrated oil is being sold at Rs. 44/kg which is 10% more than its cost price of preceding month. By what percentage a family should reduce consumption so as to keep the expenditure the same?

Ans: 9.09%

Q37. Price of a movie ticket has increased by 6%, as a result, there was a reduction of 4% in the audience for the show. As an overall effect, revenue of the movie hall has increased by Rs. 94. Find the initial revenue of the movie hall.

Ans: 5340

Q38. Due to fall in manpower, the production in a factory decreases by 14.28%. By what percent the working hours be increased to restore the original level of production?

Ans: 16.66%

Q39. Mr. Rajanish, MD of JK enterprises finds out the total revenue of the company is Rs 999300 and total expenditure of the company is Rs 666200 and rest is profit. Due to the establishment of a new plant, the revenue is increased by 19% and the expenditure is increased by 13%. Find the percentage change in profit.

Ans: 31%

Q40. If the numerator of a fraction be increased by 14.28% and its denominator be diminished by 11.11%, the value of the fraction is  $\frac{54}{35}$ . Find the original fraction.

Ans:  $\frac{6}{5}$

Q41. If  $50\%(x-y) = 30\%$  of  $(x+y)$ , then what percent of  $x$  is  $y$ ?

Ans: 25%

Q42. The price of a commodity is increased by 5% in India. The consumption of same was increased from 400 tons to 480 tons. By how much percentage will the expenditure on the article rise in Indian economy?

Ans: 26%

Q43. If the first number is 20% less than the second number and the third number is 40% of the first number. How much is the second number as the percent of the third number?

Ans: 312.5%

Q44. In an examination 45% of students passed in math, 36% passed in English and 19% passed in both the subjects. What is the percentage of the students who failed in both the subjects?

Ans: 38%

Q45. The cost of ploughing a rectangular field whose length is 15 meters and breadth is 20 meters is Rs 20 per m<sup>2</sup>. If the length of a rectangle is increased by 20% and breadth is decreased by 25% Find the cost of ploughing the new field .

Ans: Rs 5400

Q46. I am going to share my schedule with you. I have \_\_\_\_ appointment with Dr. Seuss at 10 am. After that I am going for \_\_\_\_ ride with Lucy at 11:30 am. In the evening, I am meeting Robert for \_\_\_\_ drink.

Ans: An, a, a

Q47. Which of the following sentences are grammatically correct?

S1: I am glad that you gave me an advice.

S2: My father has given me some money to buy a furniture.

S3: Yes pal! We all wonder what sort of man he is.

S4: My brother is the Ram of our village.

Ans: Only S3 and S4

Q48. Which of the following sentences are grammatically correct?

S1: Yes Sir! I speak English.

S2: Yes Sir! I speak the English.

S3: The English speak English.

S4: English speak the English.

Ans: Only S1 and S3

Q49. My brother is planning to visit The London Zoo. He is going to take his flight from The Indira Gandhi Airport.

Ans: London Zoo. He is going to take his flight from Indira Gandhi Airport

Q50. Johnny Depp is an very excellent learner.

Ans: a very excellent learner

Q51. I live in the West Bengal. My house is in the West part of it.

Ans: West Bengal. My house is in the West

Q52. Gopal is \_\_\_\_\_ amazing.

Ans: No article needed

Q53. Gopal is going to spend his summer vacation on an island in Indian Ocean.

Ans: on an island in the Indian Ocean

Q54. Luke is \_\_ (1) \_\_ last one to join our placement class. He is \_\_ (2) \_\_ hilarious.

Ans: (1) The, (2) No article needed

Q55. Which of the following sentences are grammatically correct?

S1: This is table.

S2: Samuel sang song.

S3: This is umbrella.

S4: Ram is brilliant cricketer.



Ans: None of the above

Q56. Ram said, ‘‘What \_\_\_\_ great painting!’’

Ans: A

Q57. Maria went to a stationery shop and bought \_\_\_\_\_ dozen of pens and \_\_\_\_\_ couple of pencils.

Ans: A, a

Q58. Timothy has always dreamt of going to the space. He tried, but, the space in the car was not sufficient to accommodate his pet dog Marley.

Ans: space. He tried, but, the space

Q59. Which of the following sentences is/are grammatically correct?

S1: I love the gardening. But, my brother loves the singing.

S2: Please turn on A.C.

Ans: Neither S1 nor S2

Q60. We all know that Amir is /excellent an actor, and that/ is why he is/ known as Mr. Perfectionist.

Ans: excellent an actor, and that

Q61. How many consonants are there in the series that are immediately followed by a number?

Ans: 1

Q62. In a class of 39 children, Gopal’s rank is 13th from the top. Binoy is five ranks

below Gopal. Which of the following will be Binoy's rank from the bottom?

Ans: 22

Q63. If all the symbols are dropped from the arrangement then, which of the following will be the thirteenth element from the right end of the new arrangement?

Ans: I

Q64. If 1 is subtracted from each odd digit and 1 is added to each even digit in the number 8459763. Which of the following will be the difference between the second digit from the left and third digit from the right of the new number thus formed?

Ans: -1

Q65. Which of the following is fifth to the left of the nineteenth element from the left end of the given arrangement?

Ans: 5

Q66. Three out of the following four are alike in a certain way and so, form a group. Which of the following does not belong to the group?

Ans: L@7

Q67. The positions of first and the eighth letters in the word 'OBSERVED' are interchanged. Similarly, the positions of second and seventh letters are interchanged, and the positions of the third letter and the sixth letter are interchanged, and the positions of the remaining two letters are interchanged with each other, which of the following will be third to the left of R in the new arrangement?

Ans: D

Q68. If the letters of the word SEMESTER are rearranged in alphabetical order, then how many letters will remain in the same position?

Ans: One

Q69. 40 players are standing in a row. Navin is 10th from the left end of the row, and Tarun is 30th from the right end of the row. Haresh is 5th to the right of Navin. Which of the following will be the position of Haresh with respect to Tarun?

Ans: 4th to the right of Tarun

Q70. If Rani ranked 12th from the top in a class of 80 students, then what is her rank from the bottom of the class?

Ans: 69th

Q71. Which of the following term should come in place of the question mark (?) in the following series?

\*8M, 35F, 5I9, LRM, ?

Ans: BD!

Q72. Each vowel in the word 'PERSUASIVE' is replaced by the next alphabet in the English alphabet series, and each consonant is replaced by the previous alphabet in the English alphabet series. The substituted letters are arranged in the alphabetical order. Which of the following will be the fourth letter from the left end?

Ans: J

Q73. How many pairs of letters are there in the word 'BEAST' such that the spaces between these letters in the given word are same as the spaces between it in the English alphabet?

Ans: One

Q74. How many symbols are there in the series that are immediately preceded by a number?

Ans: 3

Q75. Shahrukh is taller than Salman, who is shorter than Akshay. Deepika is taller than Kareena but shorter than Salman. Akshay is shorter than Shahrukh. Which among the following is the tallest?

Ans: Shahrukh

Q76. Which of the following conclusions follow the given statements?

Statements:

No buffalo is an elephant.

Some elephants are rats.

Conclusions:

I. No rat is a buffalo.

II. Some rats are definitely buffalo.

Ans: Neither I nor II follows

Q77. Which of the following conclusions follow the given statements?

Statements:

Some actors are painters.

All painters are fat.

Conclusions:

I. Some actors are fat.

II. All actors are fat.

Ans: Only I follows

Q78. Which of the following conclusions follow the given statements?

Statements:

Some doctors are teachers.

Some teachers are robbers.

All robbers are pundits.

Conclusions:

I. Some pundits are teachers.

II. Some pundits are doctors.

Ans: A

Q79. Which of the following conclusions follow the given statements?

Statements:

All hymns are poems.

All poems are epistles.

Conclusions:

I. No hymns are poems.

II. All hymns are epistles.

Ans: Only II follows

Q80. Which of the following conclusions follow the given statements?

Statements:

All cars are lion.

All lion are tigers.

Conclusions:

I. All cars are tigers.

II. Some lion are cars.

III. Some tigers are lion.

Ans: All conclusions follow

Q81. Which of the following conclusions follow the given statements?

Statements:

All grasses are flowers.

No flower is Leaves.

Some leaves are roots.

Conclusions:

I. Some roots are grasses.

II. All roots are grasses.

Ans: A

Q82. Which of the following conclusions follow the given statements?

Statements:

All boys like painting.

Some boys go for higher education.

Conclusions:

I. Boys who go for higher education also like Painting.

II. Some boys do not go for higher education, but like painting.

Ans: Both follows

Q83. Which of the following conclusions follow the given statements?

Statements:

All steel is copper.

Some copper is carbon.

Conclusions:

I. Some copper is steel.

II. All carbon is copper.

Ans: Only I follows

Q84. Which of the following conclusions follow the given statements?

Statements:

Some erudite are teachers.

All teachers are politicians.

Conclusions:

I. All politicians are erudite.

II. All erudite are politicians.

Ans: Neither I nor II follows

Q85. Which of the following conclusions follow the given statements?

Statements:

All police are racks.

All balloons are racks.

All racks are paints.

Conclusions:

I. Some paints are police.

II. Some balloons are paints.

Ans: E

Q86. Which of the following conclusions follow the given statements?



Statements:

Some toys are books.

All books are bricks.

All bricks are donkeys.

Conclusions:

I. Some donkeys are toys.

II. Some bricks are toys.

Ans: E

Q87. Which of the following conclusions follow the given statements?

Statements:

All carrots are pumpkins.

Some pumpkins are kohlrabies.

All kohlrabies are radishes.

Conclusions:

I. Some radishes are carrots.

II. Some radishes are pumpkins.

Ans: B

Q88. Which of the following conclusions follow the given statements?

Statements:

Some foxes are horses.

Some horses are whales.

Some whales are numbers.

Conclusions:

I. Some numbers are foxes.

II. Some numbers are horses.

Ans: D

Q89. Which of the following conclusions follow the given statements?

Statements:

All books are knives.

No knife is hammers.

Conclusions:

I. No book is a hammer.

II. Some hammers are books.

Ans: Only I follows

Q90. Which of the following conclusions follow the given statements?

Statements:

All tomatoes are watermelons.

All watermelons are raspberries.

All raspberries are brinjals.

Conclusions:

I. Some brinjals are tomatoes.

II. Some raspberries are tomatoes.

Ans: E

Q91. Either Simone/nor her sister/has to ask for forgiveness. / No Error.

Ans: nor her sister

Q92. I will not go to her house for a party \_\_\_\_\_ I am invited.

Ans: Unless

Q93. Ram was removed from the job \_\_\_\_\_ he was found guilty of fudging the balance sheets.

Ans: As

Q94. Which of the following sentences is grammatically correct?

Ans: Even though we have become self-sufficient, we still need to progress.

Q95. Which of the following sentences is grammatically correct?

Ans: Both of you and your sister should be punished.

Q96. Whether you do/nor your brother, /the work needs to be completed. /No Error.

Ans: nor your brother

Q97. Work hard \_\_\_\_\_ you will fail the exams.

Ans: Lest

Q98. He is telling/the truth because/he can sleep peacefully. /No Error.

Ans: the truth because

Q99. Not only the members of the team but also the captain.....going for the party.

Ans: Is

Q100. \_\_\_\_\_ the teachers \_\_\_\_\_ the students are responsible for the future consequences.

Ans: Not only, but also

Q101. Hard work and determination \_\_\_\_\_ the key to success.

Ans: Is

Q102. Peace and/the prosperity/is the most important feature of a successful country/No Error.

Ans: the prosperity

Q103. Reeta along with/her friends/are going to Paris for a week./No Error.

Ans: are going to Paris for a week

Q104. All the departments of Myperfectice are meeting to discuss the monthly targets.

\_\_\_\_\_ of some unavoidable situation, the meeting has been postponed.

Ans: Because

Q105. \_\_\_\_\_ Monika nor her sister is ready to take the blame.

Ans: Neither

Q106. Find the sum of all the factors of 240.

Ans: 744

Q107. Find last digit of  $2272$

Ans: 2

Q108. Which of the following will not leave any remainder when dividing  $23n - 1$  for all the natural numbers 'n'?

Ans: 7

Q109. Find the remainder of the expression.

$101+102+103+\dots+1001006$

Ans: 4

Q110. Find the Unit digit of 62161218.

Ans: 6

Q111. Find the smallest number which when divided by 7 leaves no remainder but when divided by 6, 15 and 17 leaves 1 as remainder.

Ans: 511

Q112. Free notebooks were distributed equally among students of a class. The number of

notebooks each student got was  $\frac{1}{8}$ th of the number of total students. Had the number of students been half, each student would have got 16 notebooks. How many notebooks were distributed in all?

Ans: 512

Q113. The difference between a number and its three fifth is 50. Find is the number?

Ans: 125

Q114. Find the number of factors of 240.

Ans: 20

Q115. By which of the following numbers, this term will not be divisible by?

2310 – 210

Ans: 4

Q116.  $21 \times 57 \times 5!10$ ; find remainder

Ans: 0

Q117. 203, 959, 1001, 553 are completely divisible by?

Ans: 7

Q118. Find the last digit of  $271 \times 96 \times 55 \times 24 \times 99$

Ans: zero

Q119. Twenty times of a positive integer is less than its square by 96. What is the value of the integer?

Ans: 24

Q120. Find the remainder when 6666666.....45 times is divided by 37?

Ans: 0

Q121. Which of the following numbers is not related to the rest of the given three numbers?

Ans: 452

Q122. Which of the following does not complete the analogy given below?

CAT: 6, PIG : 5, ZOO : 2, NO : 2 and DOG : 9

Ans: DOG :9

Q123. Which of the following Venn diagrams best represents the relation among boys, girls, human beings and bowlers?

Ans:

Q124. Which of the following best completes the analogy given below?

DDD : CC

Ans: HHHHHHH :GGGGGG

Q125. Which among the following letters will represent actors who are graduates but not teachers?

Ans: N, T

Q126. Which of the following set of numbers is analogous to the given set of numbers?

(14: 25: 49).

Ans: (15 : 36 : 81)

Q127. Which of the following conclusions follow the given statements?

Statements:

Some computers are iPhones.

All telephones are iPhones.

Conclusions:

I. All iPhones being telephones is a possibility.

II. All telephones being computers is a possibility.

Ans: Conclusion II follows

Q128. Which of the following items is not related to the rest of the given three items?

Ans: Bindi

Q129. 'Dendrology' is related to 'tree' in the same way 'Oology' is related to which of the following?

Ans: Egg

Q130. Which of the following conclusions follow the given statements?

Statements:

Some wells are rocks.

Some sands are wells.

Conclusions:

I. At least some sands are rocks.

II. At least some wells are sands.

Ans: Conclusion II follows

Q131. Which of the following conclusions follow the given statements?



Statements:

All pens are books.

No book is a pencil.

Some pencils are erasers.

Conclusions:

I. No pencil is a pen.

II. Some pens are definitely erasers.

Ans: Conclusion I follows

Q132. Which of the following conclusions follow the given statements?

Statements:

Some cycles are cars.

All cars are bikes.

All bikes are trains.

Conclusions:

I. All cars are trains.

II. Some trains are cycles, cars and bikes.

III. Some cycles are not bikes

Ans: I and II follow

Q133. Which of the following terms is not related to the rest of the given three terms?

Ans: CM64

Q134. Which among the following letters will represent actors who are neither singers

nor teachers?

Ans: N, S

Q135. Which of the following pairs is not related to the rest of the given three pairs?

Ans: 39, 66

Q136. Preeti's house is more beautiful than .....Geeta's.

Ans: No change

Q137. When Tanya's mother entered.....her room after a week, she got shocked to see the room in a mess.

Ans: None

Q138. As Amit was a neophyte in driving a four wheeler, he was .....driving his friend's car.

Ans: Meticulously

Q139. ....Rahul, nobody is familiar with the party venue.

Ans: Besides

Q140. The cat pounced.....the rat, the moment it got a chance.

Ans: Upon

Q141. .... Meena is rich, she is economical when it comes to spending money.

Ans: Although

Q142. Neeti was working very hard.....she could secure top rank in the class.

Ans: So that

Q143. I prefer tea.....coffee.

Ans: To

Q144. The Prime Minister along with some other ministers.....travelling to Italy.

Ans: Is

Q145. Not only Raghav.....his brother is involved in the crime.

Ans: But also

Q146. She was .....accepting her mistakes in front of her parents.

Ans: Honestly

Q147. My house is five kilometers.....to Meera's house.

Ans: Farther

Q148. Not only Raghav.....his brother is involved in the crime.

Ans: But also

Q149. Tina is the .....girl of her class.

Ans: Oldest

Q150. These fruits were supposed/ to be distributed/ between Gopal, Piyush.

Ans: between Gopal, Piyush.

Q151. What will be the nature of roots of the equation which has been given below?

$$3x^2+2x+1=0$$

Ans: Roots are imaginary.

Q152. Define the value of  $x$  for which the equation is defined,

$$x^2-x-6x+2\leq 0$$

Ans:  $x\leq 3$  and  $x\neq -2$

Q153. If  $f(x) = 2x+4$  and  $g(x) = x+4$ , find the value of  $g(f(f(3)))$ .

Ans: 28

Q154. If  $x+y+z=12$  and find the value of  $(6-x)^3-(6-y)^3-3(6-x)(6-y)z$

Ans:  $(z-12)^3$

Q155. If  $x+1/x=3$ , find the value of  $x^2+1/x^2$ .

Ans: 47

Q156. If a function is defined as  $f(x) = \min(x-4, 4-2x)$ , then the value of  $x$  for which the function attains the maximum value.

Ans:  $x=8/3$

Q157. What will be the nature of discriminant and “a” for the quadratic equation whose graph has been given below?

Ans:  $D > 0, a > 0$

Q158. If  $(a+1)^2+(b-3)^2+(c+12)^2=0$ , find the value of  $abc$ .

Ans:  $\pm 6$

Q159. Find the minimum area bounded by the curve  $|x| + |y| \geq 2$

Ans: 8 units

Q160. If  $2x+6-6=2x+4$ , find the value of  $x$ .

Ans: -3

Q161. If the graph of the function  $f(x)$  is given below, what will be the graph of the function  $-f(x)$ ?

Ans:

Q162. Find the value of  $x$  which satisfies equations-

$$2x-6 \geq 0$$

$$2x-12 \leq 0$$

Ans:  $3 \leq x \leq 6$

Q163.  $F(g(x)) = 2|g(x)|$ ,  $g(x) = x^2$ , find  $f(g(x))$  for  $x = -3.5$

Ans: 24.50

Q164. If  $\alpha$  and  $\beta$  are the roots of equation  $x^2 + 14x - 51$ , find the equation whose roots are  $2\alpha$  and  $2\beta$ .

Ans:  $x^2 + 28x - 204 = 0$

Q165. What will be the nature of roots of the equation whose graph has been given below?

Ans: Roots are real and equal.

Q166. Which of the following words is the synonym (the word similar in meaning) of the word 'Considerate'?

Ans: Thoughtful

Q167. Which of the following words is the synonym (the word similar in meaning) of the word 'Clog'?

Ans: Choke

Q168. Which of the following words is the synonym (the word similar in meaning) of the word 'Pity'?

Ans: Mercy

Q169. Which of the following words is the synonym (the word similar in meaning) of the word 'Wrath'?

Ans: Rage

Q170. Which of the following words is the synonym (the word similar in meaning) of the word 'Epitome'?

Ans: Paragon

Q171. Which of the following words is the synonym (the word similar in meaning) of the word 'Ramification'?

Ans: Consequence

Q172. Which of the following words is the synonym (the word similar in meaning) of the word 'Sundry'?

Ans: Assorted

Q173. Which of the following words is the synonym (the word similar in meaning) of the word 'Laggard'?

Ans: Slow

Q174. Which of the following words is the synonym (the word similar in meaning) of the word 'Extant'?

Ans: Surviving

Q175. Which of the following words is the synonym (the word similar in meaning) of the word 'Invincible'?

Ans: Unbeatable

Q176. Which of the following words is the synonym (the word similar in meaning) of the word 'Squander'?

Ans: Waste

Q177. Which of the following words is the synonym (the word similar in meaning) of the word 'Persistence'?

Ans: Continuity

Q178. Which of the following words is the synonym (the word similar in meaning) of the word 'Partisanship'?

Ans: Bias

Q179. Which of the following words is the synonym (the word similar in meaning) of the word 'Telltale'?

Ans: Revealing

Q180. Which of the following words is the synonym (the word similar in meaning) of the word 'Esoteric'?

Ans: Mystic

Q181. Which of the following will be the final position of Rana with respect to the final position of Ishan?

Ans: South-West

Q182. Which of the following will be the final position of D with respect to A's initial position?

Ans: North - West

Q183. Raman walks 16m in the west direction starting from point Q then, 12 m in the South direction. He takes a left turn and walks 16 m to reach point P. He walks 'x' m in the same direction then; he walks 6 m in the north direction to reach point R. Which of the following will be the value of 'x' such that the shortest distance between Q and R is 10m?

Ans: 8 m

Q184. Which of the following will be the final position of 'B' with respect to the initial position of 'D'?

Ans: North-east

Q185. 'P' is facing towards south direction. He turns 90 degrees in the clockwise direction and walks 5 meters. Now, he turns 180 degrees in the anti-clockwise direction and walks 8 meters. He, then, turns left and walks 4 meters. Further, he turns left and walks 3 meters. How far is he from his initial position (minimum distance in meters)?

Ans: 4

Q186. Which of the following will be the final position of Raj with respect to his initial position?

Ans: North-West

Q187. Which of the following will be the final position of B with respect to D's initial position?

Ans: North - West

Q188. Adarsh is walking straight facing the sun. After walking some distance, he turned



left, and after walking some distance, he turned right. Further, he turned left and then again, turned left. In which of the following direction is he facing now?

Ans: Cannot be determined

Q189. In which of the following direction is he finally facing now?

Ans: South

Q190. Which of the following will be the shortest possible distance between Imran's school and his home?

Ans: 20m

Q191. Which of the following will be the final position of 'A' with respect to the final position of 'C'?

Ans: None

Q192. From point 'P', Rajat walks 5m towards the north. He takes a right turn and walks 4m then, he takes another left turn and walks 4m. Now, after turning  $135^\circ$  anti-clockwise, he walks in that direction a distance of 42m to reach point Q. Which of the following will be the distance between points P and Q?

Ans: 5 m

Q193. Which of the following will be the position of Imran's school with respect to his father's office?

Ans: East

Q194. How far is Ishan standing away from Rana?

Ans: 10 m

Q195. Aman starting from a point travels 5 km towards East. Then, he moves 10 km towards South before moving 5 km towards East again. Now, Aman takes a left turn and travels 5 km. In the end, Aman moves 15 km towards West. In which of the following

direction is he standing now with respect to the starting point?

Ans: South West

Q196. What will be nature of roots of the equation whose graph has been given below?

Ans: Roots are real and equal.

Q197. What will be nature of roots of the equation which has been given below?

$$3x^2 + 2x + 1 = 0$$

Ans: Roots are imaginary.

Q198. If a function is defined as  $f(x) = \min(x-4, 4-2x)$ , then the value of  $x$  for which the function attains the maximum value.

Ans:  $x=83$

Q199. Find the value of  $x$  which satisfies the equations,

$$2x - 6 \geq 0$$

$$2x - 12 \leq 0$$

Ans:  $3 \leq x \leq 6$

Q200. Define the value of  $x$  for which the equation is defined,

$$x^2 - x - 6x + 2 \leq 0$$

Ans:  $x \leq 3$  and  $x \neq -2$

Q201. What will be the nature of discriminant and “a” for the quadratic equation whose graph has been given below?

Ans:  $D > 0, a > 0$

Q202. If  $x+1x=3$ , find the value of  $x^2+1x^2$ .

Ans: 47

Q203. If  $f(x) = 2x+4$  and  $g(x) = x+4$ , find the value of  $g(f(f(3)))$ .

Ans: 28

Q204. If  $\alpha$  and  $\beta$  are the roots of equation  $x^2+14x-51$ , find the equation whose roots are  $2\alpha$  and  $2\beta$ .

Ans:  $x^2+28x-204$

Q205.  $f(g(x))=2|x|$ ,  $g(x)=x^2$ , find  $f(g(x))$  for  $x=-3.5$

Ans: 24.5

Q206. If the graph of the function  $f(x)$  is given below, what will be the graph of the function  $-f(x)$ ?

Ans:

Q207. Find the minimum area bounded by the curve  $|x| + |y| \geq 2$

Ans: 8 units

Q208. If  $2x+6-6=2x+4$ , find the value of  $x$ .

Ans: -3

Q209. If  $(a+1)^2+(b-3)^2+(c+12)^2=0$ , find the value of  $abc$ .

Ans:  $\pm 6$

Q210. Which of the following words is the antonym (the word opposite in meaning) of the word 'VINDICTIVE'?

Ans: Forgiving

Q211. Which of the following words is the antonym (the word opposite in meaning) of the word 'DILAPIDATED'?

Ans: Intact

Q212. Which of the following words is the antonym (the word opposite in meaning) of the word 'BRUSQUE'?

Ans: Polite

Q213. Which of the following words is the antonym (the word opposite in meaning) of the word 'HAUGHTY'?

Ans: Humble

Q214. Which of the following words is the antonym (the word opposite in meaning) of the word 'TREACHERY'?

Ans: Faithful

Q215. Which of the following words is the antonym (the word opposite in meaning) of the word 'CALLOUS'?

Ans: Compassionate

Q216. Which of the following words is the antonym (the word opposite in meaning) of the word 'BROKE'?

Ans: Affluent

Q217. Which of the following words is the antonym (the word opposite in meaning) of the word 'SERENDIPITY'?

Ans: Preplanned

Q218. Which of the following words is the antonym (the word opposite in meaning) of the word 'CHIMERICAL'?

Ans: Real

Q219. Which of the following words is the antonym (the word opposite in meaning) of the word 'REVERENCE'?

Ans: Scorn

Q220. Which of the following words is the antonym (the word opposite in meaning) of the word 'SOPHISTICATED'?

Ans: Clumsy

Q221. Which of the following words is the antonym (the word opposite in meaning) of the word 'COUNTERFEIT'?

Ans: Original

Q222. Which of the following words is the antonym (the word opposite in meaning) of the word 'ALTRUISM'?

Ans: Selfish

Q223. Which of the following words is the antonym (the word opposite in meaning) of the word 'HUMDRUM'?

Ans: Exciting

Q224. Which of the following words is the antonym (the word opposite in meaning) of the word 'SUBMISSIVE'?

Ans: Domineering

Q225. Which of the following will be the meaning of the expression ' $P \div Q \times R$ '?

Ans: P is sister-in-law of R

Q226. If 'A' is the brother of 'B', C is the father of 'B', 'D' is the brother 'C' and 'E' is the mother of 'D', then in which of the following manner 'D' is related to 'B'?

Ans: Uncle

Q227. How many male members are there in the family?

Ans: 2

Q228. In which of the following manner 'F' is related to 'C'?

Ans: Aunt

Q229. 'D' is the mother of 'B', 'B' is the brother-in-law of 'C' and the son of 'A'. In which of the following manner 'D' is related to 'A'?

Ans: Wife

Q230. A's father is the brother of 'B' and the son of 'C'. 'D' is the son of 'B' and the brother of 'E'. In which of the following manner 'E' is related to 'C'?

Ans: Grandson or Grand daughter

Q231. Which of the following will be the meaning of the expression 'P - Q + R'?

Ans: 'P' is the nephew of 'R'

Q232. In which of the following ways 'A' is related to 'D'?

Ans: Maternal Uncle

Q233. Which of the following will be the meaning of the expression 'P×R÷Q'?

Ans: P is the brother-in-law of Q

Q234. Aditya said to Prakash, “This boy is the husband of the granddaughter of my father. In which of the following ways Aditya is related to that boy?

Ans: Father-in-law

Q235. Which of the following will be the meaning of the expression ‘ $P = R \div Q$ ’?

Ans: Q is the son or daughter of P

Q236. ‘P’ and ‘Q’ are sisters, ‘R’ and ‘S’ are only brothers. P’s son is S’s brother. In which of the following ways ‘P’ is related to ‘R’?

Ans: Mother

Q237. Kabir says, “This man is the husband of the granddaughter of my mother.” In which of the following manner Kabir is related to that man?

Ans: Father-in-law

Q238. Talking about John, Robin says, “His son is the maternal uncle of my son”. In which of the following manner is John related to Robin? ( Here considering Robin as a male figure)

Ans: Father-in-law

Q239. In which of the following ways ‘E’ is related to ‘F’?

Ans: Niece

Q240. Which state has the highest inflation among the given states?

Ans: Karnataka

Q241. Find the total number of gold medals won by all the countries?

Ans: 140

Q242. What is the percentage increase in revenue for Kingfisher Ultra?

Ans: 35%

Q243. The expenditure of Central Mall is what percentage of its income in the year of 2012?

Ans: 66.67%

Q244. If the income of both the malls is equal in the year 2012, find the ratio of expenditure of MGF Megacity to that of Central Mall?

Ans: 15 : 16

Q245. If the CPI of Mizoram in 2017 was 150, find the percentage increase or decrease in CPI of Mizoram?

Ans: 16.67% decrease

Q246. The CPI of Delhi is by what percentage more than that of Mizoram?

Ans: 7.12

Q247. In which of the following years, the increase in number of students over the previous year was maximum?

Ans: 2017

Q248. Find the maximum number of silver medals won by all the given countries?

Ans: 131

Q249. What is the overall percentage increase in sales of beer in India from 2017 to 2018?

Ans: 18.18%



Q250. Which of the following branches had maximum number of students from 2011 to 2017?

Ans: IT

Q251. Find the number of gold medals won by India?

Ans: 26

Q252. Find the percentage change in the percentage profit of MGF Megacity from 2010 to 2011.

Ans: 50%

Q253. In the year 2018, what is the angle subtended by Heineken, in the Pie chart?

Ans:  $28.8^\circ$

Q254. Find the difference between total number of students admitted in Marketing and student admitted in operations from 2011 to 2017?

Ans: 65

Q255. Which of the following can replace the given statement with a single word?

‘An act of charity’

Ans: Benevolent

Q256. Which of the following can replace the given statement with a single word?

‘Habit of talking too much’

Ans: Verbose

Q257. Which of the following can replace the given statement with a single word?

‘A person who is very rigid and firm on his/her decisions’

Ans: Inflexible

Q258. Which of the following can replace the given statement with a single word?

‘A person who is charitable or helpful’

Ans: Samaritan

Q259. Which of the following can replace the given statement with a single word?

‘An act of predicting future’

Ans: Prognostication

Q260. Which of the following can replace the given statement with a single word?

‘Something that is very dull and boring’

Ans: Humdrum

Q261. Which of the following can replace the given statement with a single word?

‘To be lacking energy or enthusiasm’

Ans: Lackadaisical

Q262. Which of the following can replace the given statement with a single word?

‘Something that is present everywhere’

Ans: Ubiquitous

Q263. Which of the following can replace the given statement with a single word?

‘To be very rude and discourteous’

Ans: Boorish

Q264. Which of the following can replace the given statement with a single word?

‘A plan that is too impractical to execute’

Ans: Quixotic

Q265. Which of the following can replace the given statement with a single word?

‘To be overly satisfied with one’s own performance or achievements’

Ans: Complacent

Q266. Which of the following can replace the given statement with a single word?

‘Something that is very horrible / terrible’

Ans: Abysmal

Q267. Which of the following can replace the given statement with a single word?

‘To consider someone inferior to oneself’

Ans: Belittle

Q268. Which of the following can replace the given statement with a single word?

‘To make things less severe’

Ans: Alleviate

Q269. Which of the following can replace the given statement with a single word?

‘When one feels very hungry’

Ans: Famished

Q270. In an aptitude exam, there are 5 multiple choice questions each have a single correct answer. If a student attempts the exam ,find the number of ways in which he can answer all the questions correctly .

Ans: 1

Q271. In a party, each person shook hands with every other person present. The total number of handshakes was 28. Find the number of people present in the party.

Ans: 8

Q272. There are 25 people in a room including a couple, "Romeo" and "Juliet." Find the number of ways in which they can be arranged around a circular table if there is exactly one person between Romeo and Juliet?

Ans:  $2 \times 23!$

Q273. In a tournament, Bhubaneswar Premier League, seven teams participated out of which top three will win the prize. In how many ways can prizes be distributed?

Ans: 210

Q274. There are 6 vacant seats for the post of aptitude faculty in college out of which two seats are reserved for postgraduates. We have received 10 applications out of which 4 are postgraduates. In how many ways selection can be made?

Ans: 90

Q275. How many 4-letter words can be formed using these letters such that at least one letter of the word is a vowel?

Ans: 720

Q276. There are 25 people in a room including a couple, "Romeo" and "Juliet." Find the number of ways in which they can be arranged around a circular table if Romeo and Juliet are always separated?

Ans:  $23 \times 23!$

Q277. How many of these words have no two vowels next to each other?

Ans: 144

Q278. Calculate the number of diagonals that can be drawn by joining the vertices of a decagon?

Ans: 35

Q279. Professor Kumar has made a test of 10 questions each of which has four options, out of which only one is correct. In how many ways can a student answer the test?

Ans: 410

Q280. How many of such words are possible?

Ans:  $10!3!2!$

Q281. There are 7 people sitting around a circular table. Find the number of ways they can be seated?

Ans:  $6!$

Q282. How many three letter words can be formed using the letters of the word "PRACTICES"?

Ans: 357

Q283. How many four letter words can be formed using the letters of the word "ROAMING"?

Ans: 840

Q284. If there are ten letters and ten envelopes, I have placed the nine letters in right envelopes, in how many can I put the last one letter in wrong envelope?

Ans: 0

Q285. 10,000 rupees.....a big amount that you can ask someone to lend you.

Ans: Is

Q286. The committee members along with the leader.....planning to conduct a meeting.

Ans: Are

Q287. M.S.Dhoni is one of those players who.....going to play the final match.

Ans: Are

Q288. Not only Tina but also her parents.....busy on the weekend.

Ans: Are

Q289. Either Seema or Riddhi.....attending the party.

Ans: Is

Q290. The Police.....gathered at the crime scene.

Ans: Have

Q291. Many a student.....attending the annual quiz competition.

Ans: Is

Q292. The Chief Accounting Officer and Financial Advisor of the company.....the chief guest at the event.

Ans: Is

Q293. The car and driver.....waiting for you on the porch.

Ans: Is

Q294. The parents .....working hard for the past two years to improve their standard of living.

Ans: Have been

Q295. Everyone should respect.....elders.

Ans: His/Her

Q296. Rishi along with his friends.....traveling to Goa today.

Ans: Is

Q297. None of the journalists.....coming to attend the political event.

Ans: Is

Q298. Physics and Mathematics.....related subjects.

Ans: Are

Q299. I have lost my jeans which.....black in color.

Ans: Were

Q300. How many circles are present in the figure given below?

Ans: 20

Q301. Find the pattern which will appear on the transparent sheet after it is folded along the dotted line.

Transparent Sheet

Ans:

Q302. If a cuboid of length = 16 cm, breadth = 12 cm and height = 10 cm is cut into smaller cubes of edge 2 cm each then, which of the following will be the total number of smaller cubes?

Ans: 240

Q303. Which of the following will be the mirror image of the given figure?

Ans:

Q304. Which of the following figures will make a complete square on joining it with the above figure?



Ans:

Q305. There is a relation between diagram '1' and '2'. This same relation exists between '3' and '4'.

Which of the following figures will appear in place of (?)?

Ans:

Q306. By looking in a mirror, it appears that it is 4: 50 in the clock. What is the angle between the hands of a clock at real time?

Ans: 1550

Q307. How many straight lines are there in the figure given below?

Ans: 27

Q308. How many parallelograms are there in the following figure?

Ans: 168

Q309. Which of the following will be the pattern obtained after unfolding the punched (cut) paper?

Ans:

Q310. Four figures are given in options; out of which three are related to one another in a certain way and hence, form a group. Which of the following figures is not related to the rest of the given three figures?

Ans:

Q311. Which of the following patterns is embedded in the above figure?

Ans:

Q312. Which of the following figures should appear in place of '?' mark to complete the pattern of the given figure?

Ans:

Q313. A mirror is placed below the term 'BU97A64V2'. Which of the following will be the mirror-image of the term 'BU97A64V2'?

Ans:

Q314. Four figures are given in options; out of which three are related to one another in a certain way and hence, form a group. Which of the following figures is not related to the rest of the given three figures?

Ans:

Q315. Reboot Pvt Ltd. manufactures RAM for several computer manufacturers. They have a testing process before the product is sent to the client. The probability that RAM will be defective is 120, and the testing will give the correct result is 45. Find the probability that if we pick up a RAM randomly, it is found to be defective.

Ans: 23100

Q316. Three cards are drawn simultaneously from a pack of cards. Find the probability that one of them is red, another is a spade and the third is a club.

Ans: 169850

Q317. A dice was thrown twice, and sum appeared was nine. What is the probability that number 5 has appeared at least once?

Ans: 1/2

Q318. A company produces mobile chargers by two machines P and Q. In a batch, machine P produced 2000 chargers out of which 10 were defective and machine Q produced 3000 chargers out of which 40 were defective. A supervisor picked a charger and found that it was defective, find the probability it was from machine P.

Ans: 15

Q319. A terrorist is running on the road and three snipers of the army are taking a shot at it simultaneously. The probability of three snipers hitting the target are  $\frac{1}{5}$ ,  $\frac{1}{6}$  and  $\frac{1}{5}$ . Find the probability that exactly one of them shoots the terrorist.

Ans:  $\frac{163}{600}$

Q320. In the Casino Paradise, a dice is rolled and a player wins the amount. If the number rolled on dice is either prime or even. What is the probability that the player will win?

Ans:  $\frac{5}{6}$

Q321. Two dice are rolled simultaneously. Find the probability that the sum of the numbers on them is not 8.

Ans:  $\frac{31}{36}$

Q322. If X, Y and Z are three mutually exclusive and exhaustive events, if  $P(X)=\frac{1}{8}P(Z)$  and  $P(Y)=\frac{1}{4}P(Z)$ . Find the value of  $P(Z)$ .

Ans:  $\frac{8}{11}$

Q323. While playing a game called Blackjack, Rajiv withdraws two cards simultaneously from a pack of cards. Find the probability that both the cards are hearts or diamonds.

Ans:  $\frac{21}{7}$

Q324. Two dice are rolled simultaneously. Find the probability that one of them shows a number which is at least 4 and the other shows a number which is at most 3.

Ans:  $\frac{1}{2}$

Q325. Two friends Juhi and Priyanka are traveling from Delhi to Dhanbad. There are only two trains, Train A and Train B and they need to travel by one of the two trains. The probability of Juhi traveling via Train A is  $\frac{2}{5}$  and the probability of Priyanka traveling by train B is  $\frac{5}{8}$ . Find the probability that both of them will travel on the same train.

Ans: 2140

Q326. The probability of occurrence of two events A and B is  $\frac{1}{4}$  and  $\frac{1}{8}$  respectively. If the probability of both A and B happen simultaneously is  $\frac{1}{25}$ . What is the probability of occurrence of either A or B?

Ans:  $\frac{43}{200}$

Q327. A bag contains 3 blue balls, 4 green balls and 5 red balls. A ball is drawn at random. Find the probability that it is not green?

Ans:  $\frac{2}{3}$

Q328. A box has 6 red and 9 blue balls. If two are drawn at random, find the probability of second drawn being red if the first drawn ball was blue.

Ans:  $\frac{3}{7}$

Q329. The probability of clearing aptitude test of three students is  $\frac{1}{2}$ ,  $\frac{1}{4}$ , and  $\frac{1}{5}$ . What is the probability that at least one of them will clear the test?

Ans:  $\frac{7}{10}$

Q330. Two positions of a single dice are given below. Which of the following digit will appear on the face opposite to the face having digit 2?

Ans: 5

Q331. In the following questions two positions of a single dice are given. Find the digit on the face which is opposite to the face having digit 5?

Ans: 2

Q332. In the following questions two positions of a single dice are given. Find the digit

on the face which is opposite to the face having digit 1?

Ans: 3

Q333. A bigger cube of 8-inch side is formed by keeping together smaller cube of 2-inch side. All the faces of this bigger cube are painted red. When the bigger cube is divided into original smaller cubes, then how many smaller cubes have two faces painted?

Ans: 24

Q334. All the surfaces of a cube of 18 cm side are painted with violet color and then cut into smaller cubes of 3 cm sides. How many smaller cubes are there having no surface painted with violet color?

Ans: 64

Q335. A cube has each side 13.5 cm. In how many smaller cubes, of each side 2.7 cm, can it be divided?

Ans: 125

Q336. How many cubes are there in this diagram given below?

Ans: 22

Q337. From the given four positions of single dice, which of the following letters will appear on the face opposite to the face having letter 'E'?

Ans: U

Q338. How many times be a solid cube of 36 cm side cut to obtain smaller cubes of 4 cm side?

Ans: 24

Q339. All the surfaces of a cube of 18 cm side are painted with violet color and then cut

into smaller cubes of 3 cm sides. How many smaller cubes are there having only one surface painted with violet color?

Ans: 96

Q340. If a cube of 32 cm side is divided into smaller cubes of 4 cm side, then which of the following will be the total number of central cubes?

Ans: 216

Q341. If a cube of 22.5 cm side is divided into smaller cubes of 4.5 cm side, then what is the total number of middle cubes?

Ans: 36

Q342. Below three positions of a dice are given. Which of the following symbols will appear on the face opposite to '#'?

Ans: @

Q343. Which of the following boxes will form after wrapping up the sheet given below?

Ans:

Q344. Which of the following is not a standard dice?

Ans:

Q345. Choose the correct meaning from the given choices of 'ALCHEMIST'.

Ans: One who practices magic and transforms things.

Q346. According to the passage, which of the following can be inferred?

Ans: Personal Legend is necessary to make a mark in life.

Q347. What does Marico aspire to become in future?

Ans: To become the FMCG giant dealing in health products.

Q348. Choose an appropriate title to the passage from the given choices.

Ans: Ananda and the process

Q349. The problems being faced by the people due to cash crunch are?

Ans: Making people suffer for cash for day-to-day activities.

Q350. The author will agree with which of the following EXCEPT?

Ans: Until now the real reason for feeling happiness was unknown to humans.

Q351. What are the various businesses of Marico?

Ans: FMCG products, an offline business and a health app

Q352. Why is the opposition condemning the government in power?

Ans: It is because of the inability of the ruling party to govern.

Q353. What is the meaning of the idiom 'passing the torch'?

Ans: To pass the responsibilities

Q354. As per the author who is to be blamed for the current difficult situation?

Ans: The ruling party as they are not able to manage the crisis.

Q355. Which chemical is responsible for the feeling of happiness in the human body?

Ans: Arachidonoyl ethanolamide

Q356. What is the purpose of the author to write this passage?

Ans: To define actual happiness and the mechanism of feeling it.

Q357. Choose the correct synonym (a word similar in meaning) from the given choices of 'CRUNCH'.

Ans: Crisis

Q358. Which of the following is the purpose of the passage?

Ans: To appreciate the correct methodology of Carlson to choose the heir of the company.

Q359. Who all helped Santiago in finding a personal legend?

Ans: Merchant, King and Alchemist

Q360. If 2 sides of a scalene triangle are 7 cm and 12 cm. Which of the following can be the 3rd side?

Ans: 8 cm

Q361. A solid metallic ball of radius 9 cm was melted to form smaller balls of radius 3 cm. Find the number of balls that can be made by large solid balls.

Ans: 27

Q362. In the following figure, O is the center of the circle and PT is the tangent to the circle at T. If PC = 3 cm and PT = 6 cm, find the radius of the circle.

Ans: 4.5 cm

Q363. If the distance from the center to the chord of 10 cm is 12 cm; find the radius of the circle.

Ans: 13 cm



Q364. The ratio of the altitudes of a triangle is 2 : 3: 4. Find the sides of the triangle if the perimeter of the triangle is 273 m.

Ans: 126, 84, 63

Q365. A man sitting in the car observes the top of lamp-post at an elevation of  $60^\circ$ . His distance from the foot of lamp-post was 30 m at that time. On moving towards the lamp-post after travelling (P) km, he observes the top of lamp-post at an elevation of  $30^\circ$ . Find the distance (P)km traveled by man.

Ans: 120

Q366. In an isosceles triangle ABC; AD is median and G is the centroid of the triangle. If the median AD is 18 cm find the distance of the centroid (G) from vertex A.

Ans: 12 cm

Q367. In the following figure, ABCD and AXYC are two squares. If the length of the side AB is 5 cm, then find the area of the shaded portion?

Ans: 37.5 cm<sup>2</sup>

Q368. From the top of a lighthouse, a man observes two ships on the same side at an angle of  $60^\circ$  and  $45^\circ$ . If the height of the lighthouse is 80 m; find the distance between two ships.

Ans: 32 m

Q369. A circular playground of radius 10 cm was surrounded by a 10 cm wide pavement. Find ratio of area of pavement to playground.

Ans: 3 : 1

Q370. If two parallel sides of a trapezium are 12 cm and 22 cm and one of none – parallel side is 13 cm, find the area of the trapezium

Ans: 204 cm<sup>2</sup>

Q371. Find the ratio of inradius and circumradius of a square whose side is 8 cm.

Ans: 1:2

Q372. A rectangular sheet of iron of length 44 cm and breadth 15 cm was folded to its length to form a cylinder. The cylinder thus formed was filled with water. Find the maximum liters of water that can be stored in the cylinder.

Ans: 2.31 liter

Q373. In a cyclic quadrilateral ABCD;  $\angle A$ ,  $\angle B$  measures 60 and 75 and remaining two angles are in ratio 8 : 7 respectively. Find the measure of angle C.

Ans: 120

Q374. What is the perimeter of the square when the product of the diagonal is 64 units?

Ans: 16

Q375. Which of the following statements is true regarding the position of 'R'?

Ans: The person who faces D is immediate left of R.

Q376. Who amongst the following sits second to the left of the person who faces Q?

Ans: C

Q377. Five friends 'A', 'B', 'C', 'D' and 'E' are sitting on stairs in the following ways-

I. 'A' is sitting above 'D'.

II. 'B' is sitting below 'D' but above 'C'.

III. 'A' is sitting between 'D' and 'E'.

Who among the following is sitting exactly in the middle of the stairs?

Ans: D

Q378. When these people are re arranged according to the alphabetical order. How many people retain their position in the new arrangement?

Ans: Two

Q379. Four letters are given in options; out of which three are related to one another in a certain way and hence, form a group. Which of the following letters does not belong to this group?

Ans: R

Q380. Which of the following pairs has the second person sitting third to the left of the first person?

Ans: CS

Q381. If 'B' and 'P' interchange their positions, then who among the following will be sitting third to the left of 'P'?

Ans: R

Q382. In which of the following pairs, the second person is sitting to the immediate left of the first person?

Ans: T, L

Q383. Which of the following statements is true regarding the position of 'T'?

Ans: 'M' sits second to the right of 'T'.

Q384. Five girls 'A', 'E', 'F', 'H' and 'T' are sitting around a pentagonal table facing outside the center. 'A' is sitting exactly between 'H' and 'T'. 'F' is sitting to the immediate left of 'E', who is sitting second to the right of 'T'. If the position of 'A' is interchanged with 'F' then, who among the following will be sitting to the left of 'A'?

Ans: T

Q385. 'Q' is related to 'O' in the same way as 'L' is related to 'P' based on the given seating arrangement. To whom amongst the following is 'N' related to following the same pattern?

Ans: Q

Q386. If points A, B and Q are joined to form a triangle with  $AB = 40$  meters and  $QA = 25$  meters, then which of the following will be the area of this triangle?

Ans: 500 square meters

Q387. Who among the following is facing 'P'?

Ans: B

Q388. How many English alphabets are there between 2nd letter from the left of 'D' and 5th letter from the right of 'S'?

Ans: One

Q389. Which among the following two are sitting at the extreme ends of the line?

Ans: A and P

Q390. A bag contains 2 Red, 3 Green and 2 Blue ball. 2 balls are to be drawn randomly. What is the probability that the balls drawn contain no blue ball?

Ans: 1021

Q391. How many words can be formed from the letters of the word SIGNATURE so that vowels always come together?

Ans: 17280

Q392. In how many different ways can the letters of the word DAYNAMIC be arranged so that all that vowel never comes together?

Ans: 38160

Q393. A bag contains 4 blue balls, 3 red balls and 5 grey balls. If two balls are drawn at random, what is the probability that both of them are of same colour.

Ans: 1966

Q394. In how many different ways can the letter of the word 'FLEECED' be arranged?

Ans: 840

Q395. Out of 5 men and 3 women, a committee of 3 members is to be formed so that it has 1 women and 2 men. Find the number of ways in which it can be done?

Ans: 30

Q396. If three balls are picked at random, what is the probability that at least one is red?

Ans: 1112

Q397. An unbiased coin is tossed 4 times. Find the probability that tail will appear exactly twice.

Ans: 38

Q398. In how many ways a committee consisting of 5 men and 6 women can be formed from 8 men and 10 women?

Ans: 11760

Q399. In how many ways 8 persons can sit around a circle such that a group of 3 friends always sits together?

Ans: 720

Q400. A number (N) is chosen from (A) where A is set comprising of  $[-4, -3, 2, -9, 10,$

12, 13]. What is probability that  $|N| < 10$ .

Ans: 47

Q401. In how many ways word (ORGANISE) can be organized such that all vowels and consonants come together?

Ans: 1152

Q402. If four balls are picked at random, what is the probability that two are green and two are blue?

Ans: 170

Q403. In how many different ways letter of word 'BANKING' can be arranged?

Ans: 2520

Q404. A six face die, an eight face die and ten face die are thrown together. What is the probable number of outcomes if all the faces of three dice are different.

Ans: 480

Q405. Which of the following statements is true?

Ans: F is third to the left of G.

Q406. Which of the above three figures are required to form a triangle?

Ans: BCD

Q407. Which of the following statements is true?

Ans: Cyan is adjacent to purple

Q408. Which of the following boxes can be formed from by folding this sheet?

Ans:

Q409. Which of the following can be the position of 'D'?

Ans: Fourth to the left of B

Q410.

A water bucket is placed below the above alphanumeric code. Which of the following will be the reflection of this code in the water?

Ans:

Q411. How many persons are sitting between Dheeraj and Anup?

Ans: Three

Q412. Five people 'P', 'Q', 'R', 'S' and 'T' are standing in a row facing North but not necessary in the same order. Only 'R' is sitting between 'Q' and 'T', 'P' is sitting to the immediate right of 'Q' and 'S' is sitting to the immediate left of 'T'. On the basis of the above information, which of the following statements is definitely true?

Ans: 'R' is sitting second to the left of 'P'

Q413. How many persons are there to the left of Chandan?

Ans: One

Q414.

Which of the following will be the mirror image of the given figure?

Ans:

Q415. Which of the following figures will appear in place of '?' mark in the above image series?

Ans:

Q416. All the faces of a dice have been marked with numbers 4, 5, 6, 7, 8 and 9 respectively. This dice is rolled down three times. The three positions are given in the figure below. Select the figure that will be formed when this dice is unfolded.

Ans:

Q417. Which of the following will be the resulting pattern when a transparent square sheet, given below, is folded at the dotted line?

Transparent Sheet

Ans:

Q418. Which color is opposite to cyan?

Ans: Orange

Q419. How many triangles are there in the above diagram?

Ans: 18

Q420. The editorial section of The Hindu newspaper requires us to .....

Ans: Read between the lines

Q421. Nothing is impossible in life if pursued with .....and determination.

Ans: Perseverance

Q422. According to the passage, people who sleep late are likely to suffer with?

Ans: Psychological diseases



Q423. As per the author, what was the root cause of problems caused by Demonetization?

Ans: Improper implementation

Q424. The foreigners visiting India, more often, face challenges while ..... with the native speakers.

Ans: Interacting

Q425. It has been a year now, and still, Ram is unable to provide a 'to the point' answer. He has been ..... since he joined the project.

Ans: Beating around the bush

Q426. Why was painting inside the Lacaux complex a difficult task?

Ans: The painting spaces were difficult to reach

Q427. According to the passage which statement is probably true about South France?

Ans: It has a large number of caves

Q428. According to the passage what is true about Demonetization?

Ans: It was not as successful as thought to be

Q429. It is a good habit to keep your room .....

Ans: Tidy

Q430. Kuldeep Yadav's hat-trick against Australia is the ..... of his cricket career.

Ans: Milestone

Q431. King Dasharatha was the man of his word. He ..... broke his promises.

Ans: Never

Q432. I do not know Chinese. Reading a Chinese newspaper is .....

Ans: Not my cup of tea

Q433. Deepak was counting on his younger brother's.....during this tough time in business.

Ans: Intelligence

Q434. Our new Physics teacher encourages to think .....

Ans: Out of the box

Q435. Simplify  $Z64P \div Z - 52P$

Ans:  $Z4P$

Q436. Two trains A and B starts from Patna to Delhi. How much time does A takes to reach Delhi.

I. The speed of train A is 60% of the speed of train B.

II. Train B took 18 hours to reach Delhi.

Ans: If data in both I and II together are necessary to answer the question.

Q437. In how many day 12 men can complete a piece of work?

I. 16 women can do it in 15 days.

II. 27 children can do it in 54 days.

Ans: If data in both I and II are not sufficient to answer.

Q438. What was the population of the state (A) in 1999?

I. The population of state 'A' increases every year by 20%.

II. The population of state 'A' in 1999 was 172.8% of its population in 1996.

Ans: If data in both statements I and II together are not sufficient to answer the question.

Q439. If  $a+1a=2$ . Which of the following is the value of  $a^2+1a^2=?$

Ans: 2

Q440. Which of the following satisfies the inequality for (x)?

$$2x^2 - 3x + 1 > 0?$$

Ans:  $x > 1$  or  $x < 1/2$

Q441.  $20.2 \times 64 \times 81.3 \times 40.2 = 8x$ . Find (x)

Ans: 3.5

Q442. What is the cost of 7 pens?

I. Cost of 4 pens and 3 notebooks is Rs 68.

II. Cost of 1 Notebook, 3 stapler and 5 pens is Rs 147.

III. Cost of 1 pen 2 notebook is Rs 32.

Ans: I and III

Q443. What is the height of a triangle?

I. The area of the triangle is 20 times its base.

II. The perimeter of the triangle is equal to the perimeter of a square of 10 cm side.

Ans: If only statement I is sufficient

Q444.  $x^2 - 4x + 1 = 0$ ; find  $x^3 + 1x^3?$

Ans: 52

Q445. What percentage rate of simple interest per annum did Ashok pay to Sudhir?

I. Ashok borrowed Rs 8000 from Sudhir for four years.

II. Ashok returned Rs 800 to Sudhir at the end of two years and settled the loan.

Ans: If both statement I and II together are sufficient

Q446. What is the speed of a boat?

I. Boat covers a distance of 48 km in 6 hours; while running upstream.

II. It covers the same distance in 4 hours while running down stream.

Ans: If data in both statements together are necessary to answer the question.

Q447.  $623.92 + 730.01 = x$ . Find  $x$ .

Ans: 52

Q448. The ages of Karamchand and Gurmeet are in the ratio of 7:5. What is the age of Karamchand?

I. The Ages of Karamchand and Gurpreet are in the ratio of 10:7

II. After 5 years the ratio of Karamchand's to Gurmeet's age will be 6:5

Ans: If only II is sufficient

Q449. What was the amount of profit earned?

I. 10% discount was offered on the labeled price.

II. Had there been no discount, profit would have been 30%.

III. The selling price was more than the cost price by 20%.

Ans: Question cannot be answered even with the information in all 3 statements.

Q450. Facing towards the North direction, you turn to your left and walk 15 m. Now, you turn to your left and walk 15 m and then, turn 30 degrees to your left and go straight and cover 30 m. In which of the following direction are you standing with respect to the starting point?

Ans: South

Q451. Robert is the father of Albert. Sandy is the only sister of Albert. Richard is the son of Sandy. In which of the following ways Robert is related to Richard?

Ans: Grandfather

Q452. In which of the following direction is point 'T' situated with respect to point 'V'?

Ans: North-West

Q453. Introducing to a man Sophia said, "He is the son of the only sister of my father." How is Sophia's mother related to that man?

Ans: Aunt

Q454. Which of the following represents 'H' is the daughter-in-law of 'S'?

Ans:  $S + K - H \% T$

Q455. If 'R' is the son-in-law of 'G', then in which of the following manner 'R' is related to 'B'?

Ans: Uncle

Q456. A wall clock fell on the Map-Table in such a way that its dial faces up and back lies on the table surface. The clock is functioning properly. At 1 pm. its minute hand points towards South-West. In which of the following direction its hour hand will points at 4:30 pm?

Ans: North

Q457. Introducing a woman Peter said to John, “She is the grandmother of your niece and the daughter of my maternal grandfather.” In which of the following ways Peter is related to John?

Ans: Brother

Q458. Simon drives 6 km straight from his college. He turns to his left and drives 8 km. He moves 3 km after turning right to reach his house. If his home is situated to South-West from his college, then towards which of the following direction Simon started walking initially from his college?

Ans: West

Q459. ‘L’ is the brother of ‘K’. ‘G’ is the sister of ‘S’. ‘M’ is the mother of ‘L’ and ‘P’ is the mother of ‘G’. If ‘P’ and ‘M’ are sisters, then in which of the following ways ‘S’ is related to ‘P’?

Ans: Either Son or Daughter

Q460. In the expression ‘F + M % T @ L’, in which of the following manner ‘L’ is related to ‘F’?

Ans: Grand children

Q461. How far and in which of the following direction is point ‘U’ with respect to point ‘P’?

Ans: 13 m, South-West

Q462. Pointing to a man in the photograph, Ruby said, “The only son of his grandmother is my husband.” How is Ruby related to that man?

Ans: Mother

Q463. In which of the following manner ‘A’ is related to ‘G’?

Ans: Daughter-in-law

Q464. Line joining the initial and final points is extended till the point 'X' such that point 'V' divides the line segment PX into two equal parts. In which of the following direction is the point 'X' situated with respect to point 'P'?

Ans: South

Q465. Which of the following words is the synonym (the word similar in meaning) of the word 'INDOLENT'?

Ans: Lazy

Q466. Which of the following can replace the given statement with a single word?

'Hobby of collecting postal stamps'

Ans: Philately

Q467. Which of the following can replace the given statement with a single word?

'State of extreme happiness'

Ans: Euphoria

Q468. Which of the following words is the synonym (the word similar in meaning) of the word 'NAIVE'?

Ans: Innocent

Q469. Which of the following words is the antonym (the word opposite in meaning) of the word 'MALEVOLENT'?

Ans: Benevolent

Q470. Which of the following words is the antonym (the word opposite in meaning) of

the word 'NIGGARD'?

Ans: Generous

Q471. Which of the following words is the synonym (the word similar in meaning) of the word 'ERUDITE'?

Ans: Intelligent

Q472. Which of the following words is the synonym (the word similar in meaning) of the word 'APATHY'?

Ans: Indifference

Q473. Which of the following can replace the given statement with a single word?

'An ill-mannered person '

Ans: Impudent

Q474. Which of the following words is the antonym (the word opposite in meaning) of the word 'FRUGAL'?

Ans: Lavish

Q475. Which of the following words is the synonym (the word similar in meaning) of the word 'APATHY'?

Ans: Rare

Q476. Which of the following can replace the given statement with a single word?

'The capability of writing with both hands'

Ans: Ambidexterity



Q477. Which of the following can replace the given statement with a single word?

‘State of massive destruction’

Ans: Annihilation

Q478. Which of the following words is the synonym (the word similar in meaning) of the word ‘MALADY’?

Ans: Illness

Q479. Which of the following can replace the given statement with a single word?

'A practice of self-denial for spiritual advancement'

Ans: Asceticism

Q480. Milk contains 5% water. What quantity of pure milk should be added to 10 liters of milk to reduce this to 2%?

Ans: 15 L

Q481. The average revenue of Shatabdi Express and Gatimaan Express is Rs 20 crore. The average income of Rajdhani Express and Durranto Express is 25 crore. What would be the average income of Shatabdi Express, Gatimaan Express, Rajdhani Express and Durranto Express?

Ans: 22.5 crore

Q482. In an exam minimum qualifying marks for class IX and X are 30% and 45% respectively. It is known that total marks of each class are same and a boy of class X scored 1225; thereby failing by 125 marks. Find passing marks for class IX.

Ans: 900

Q483. A, B and C started a business with an investment in the ratio 5:6:8. After one year C withdraw 50% of his capital and A increases 60% of his capital. After two years, in what ratio should the profit earned be distributed among A, B and C?

Ans: 13:12:12

Q484. A company import two varieties of cement, A at Rs 15 per kg and B at Rs 30 per kg from a manufacturer in China, and sells them at Rs 30 per kg thereby gaining 25%. Find the ratio in which he mixes the two varieties of cement.

Ans: 2 : 3

Q485. In the aptitude of a multinational company having 100 questions at TNEA University, a student gets +4 marks for attempting a question correctly and -1 for attempting it wrong. If a student scores 200 marks in the test, find the number of question attempted wrong by the candidate. Assume that the student attempted all the questions.

Ans: 40

Q486. The sum of 3 numbers is 136. If the ratio between first and second is 2:3 and between second and third is 5:3; then the second number is-

Ans: 60

Q487. The average age of a man and his daughter is 19 years. The ratio of their ages is 16:3. What is the difference between the ages of father and daughter after 6 years?

Ans: 26 years

Q488. While writing average of 10 given numbers, a student by mistake wrote 64 in place of a number 46 and got average 50. Find his actual average

Ans: 48.2

Q489. The ratio of present income of Rahul and that of one year ago is 3:2, and that of Narendra is 5 : 4. One year ago, the ratio of income of Rahul and Narendra was 3:5. If their total current income is Rs. 4300, find their individual present income?

Ans: 1800, 2500

Q490. The average of four consecutive odd number is 36. What is the smallest of these numbers?

Ans: 33

Q491. Juhi buys a famous perfume Burberry, at the rate of Rs 1000 per litre. She has stored 90% and 60% solution of the perfume in two separate bottles. She receives an order where she needs to make a profit of 25% by selling a mixture at Rs 1000 per litre. In what ratio, should she mix the perfumes from the two bottles?

Ans: 2 : 1

Q492. After four years Uma's age will be  $\frac{1}{3}$ rd of her mother. Uma is younger than her brother by 4 years; who is 20 years younger than her mother. Find the age of Uma's brother?

Ans: 12

Q493. A container contains two liquid A and B in the ratio 7:5. When 9 liters of the mixture is drawn off and the container is filled with B, the ratio of A and B becomes 1:1. How many liters of liquid A was in the container initially?

Ans: 3634

Q494. Javagal Srinath, one of the finest fast bowlers of India, has a bowling average of 28.2 and has taken 315 wickets in ODI matches. Before the last match, his bowling average was 28, in which he conceded 91 runs. Find the number of wickets taken by him in the last match?

Bowling average is defined by number of runs conceded per wicket

Ans: 1

Q495. A sum of money invested at 8% p.a. simple interest increases its value by 50% in t years. Find t?

Ans: 614 years

Q496. Ashish lends Rs.2500 to Brajendra and a certain sum to Gaurav at the same time at 7% p.a. simple interest. If after 4 years, Ashish altogether receives Rs. 1120 as interest from Brajendra and Gaurav, then what is the sum lent to Gaurav?

Ans: Rs. 1500

Q497. If a sum of money becomes Rs 3525 at the end of a year where the rate of interest for the 1st half of the year is 15% and for 2nd half is 20 %. Find the sum?

Ans: Rs 3000

Q498. A bacteria doubles itself every hour. After how many hours it will become eight times of itself?

Ans: 3 hours

Q499. A man invested a certain amount for two years at simple and compound interest for the same rate of interest. After two years he received a simple interest of Rs 600 and compound interest of Rs 648 respectively. What was the rate of interest?

Ans: 16%

Q500. "A" invested some money in 2015 at 10% per annum simple interest for two years to repay a loan Rs 6000 in 2017 by the interest earned on the sum invested. At the end of 2016, he realizes that he will be short by some money, so he reinvested Rs 3000 at 20% per annum in 2016 such that he can clear his debt in 2017. Find the sum of money invested in 2015.

Ans: Rs 27000

Q501. A sum of Rs X amounts to Rs Y in two years simple interest at 15% per annum. The same sum amounts to Rs Z in two years at the same rate of interest when compounded annually. Find the sum, when the difference between the two interest is Rs 72.

Ans: Rs 3200

Q502. Amit and Anita deposited the same sum of money in the bank at 10% and 14% simple interest respectively for 5 years. If Anita withdraws Rs 500 more than Amit in 2 years, find the sum deposited by Amit and Anita.

Ans: Rs 6250

Q503. If a sum of money is compounded quarterly at 5%, find the equivalent rate of interest per annum.

Ans: 21.55%

Q504. Andy lends a sum of money at R% simple interest for R years such that sum received by him is 916 times more of what he lends. Find the rate at which he lends the sum?

Ans: 712 %

Q505. Amit invested an amount for 5 years getting interest at 11% per annum simple interest. But, due to some financial crises, he withdrew his entire sum after 312 years. If the withdrawal was made after one year, he would have got Rs. 412.50, extra interest. What will be the sum invested by A?

Ans: Rs. 3750

Q506. James took a loan of an equal amount from banks A and B for 30 months and 16 months at 712% and 1212% per annum respectively at simple interest. If he has to pay Rs 1200 more to Bank A, then what was the sum he borrowed from the two banks?

Ans: Rs. 115200

Q507. In a resale scheme price of a motorbike depreciates by 10% every year. If a man buys a motorbike for Rs 57000 in January 2010 and sells it in January 2012, find the loss incurred by the man.

Ans: Rs 10830

Q508. At the end of every hour, a bacteria increases by 10%. If there were 10,000 units of bacteria at 10 am, find the units of bacteria at 1 pm.

Ans: 13310

Q509. A man invests his saving in two scheme A and B. Scheme A return at 6% p.a. simple interest and Scheme B returns at 7% p.a. simple interest. After two years he received interest of Rs 354 from the two schemes. If 25% of the first sum is equal to 20% of the second sum, find the total sum invested?

Ans: Rs. 2700

Q510. A man invests his saving in two scheme A and B. Scheme A return at 6% p.a. simple interest and Scheme B returns at 7% p.a. simple interest. After two years he received interest of Rs 354 from the two schemes. If 25% of the first sum is equal to 20% of the second sum, find the total sum invested?

Ans: Rs. 2700

Q511. ....mother is very angry as they failed in their exams.

Ans: Ram and Rajiv's

Q512. The.....are trying to apprehend the criminals.

Ans: Police

Q513. ....is capable of sailing through the tough situation.

Ans: The team

Q514. My favorite earrings.....lost.

Ans: Are

Q515. Most of the.....that the company ordered this year turned out to be defective.

Ans: Machinery

Q516. She gave me ..... regarding the lost bag.

Ans: Information

Q517. My brother works in an.....company.

Ans: Electronics

Q518. Happy .....Day! Radha shouted the moment she entered the staff room.

Ans: Teachers'

Q519. They purchased new.....for the new apartment.

Ans: Furniture

Q520. ....precious and 100% original.

Ans: This gold is

Q521. Because of inflation, the company.....ten people to resign.

Ans: Wants

Q522. Radha's.....are wealthy but misers.

Ans: Sisters-in-law

Q523. ....is a wonderful game as it teaches you to focus on your aim in life.

Ans: Darts

Q524. ....essays were so beautifully written that the teacher applauded them in front of the entire class.

Ans: Radha's and Vineeta's

Q525. She said, "Oh! You've got such beautiful....."

Ans: Hair

Q526. She said, "Oh! You've got such beautiful....."

Ans: Hair

Q527. In the word 'EVERGREEN', all the vowels and consonants are arranged alphabetically. Which of the following letter will be the 4th to the left of 7th from left end in the new arrangement?

Ans: E

Q528. Which of the following is the fifth element to the left of seventeenth element from the left end of the arrangement?

Ans: \$

Q529. Which of the following is the missing term in the series given below?

#2K, ©75, %A\$, ?

Ans: 1G9

Q530. Which of the following is third to the left of the fifteenth element from the left end?

Ans: @

Q531. How many such numbers are there which is immediately preceded by a consonant and followed by a symbol?

Ans: 2



Q532. If all the numbers are deleted from the given arrangement, which of the following will be twelfth from the right end in the new arrangement?

Ans: %

Q533. The letters of the word 'PLACEMENT' are arranged in ascending order, alphabetically. How many letters are there in that word which remain same in its position in the new arrangement?

Ans: 2

Q534. If each of twelve digits on a watch is replaced by vowels a, e, i, o, u in sequence (1 by a, 2 by e, and so on), the hour hand will be between which of the following pair of vowels at 4.30 a.m.?

Ans: ou

Q535. If the letters of the word 'MALGUDI' are arranged as they appear in the English alphabetical order, which of the letter will be the 5th from left end?

Ans: L

Q536. Every alternate letter of English alphabet, starting with 'B' is written in capital, and rest in small letters. In which of the following manner will the month 'December' be written?

Ans: DecemBeR

Q537. If in the English alphabet every fifth letter is replaced by the symbol '@', which of the following would be ninth to the left of the seventeenth element from the left?

Ans: H

Q538. How many unique pairs of alphabets are there in the word 'DHANBAD' which has as many alphabets between them in the word (in both forward and backward directions), as they have between them in the English alphabetical series?

Ans: 2

Q539. How many such consonants are there in the above arrangement each of which is immediately followed by an even number and preceded by a symbol?

Ans: 1

Q540. How many such symbol(s) is/are there which is/are immediately preceded by a number and immediately followed by an alphabet?

Ans: 4

Q541. If the positions of corresponding to the multiple of 4 in the English alphabet are replaced by symbol and that of multiples of 9 by digits, how many letters will be left?

Ans: 18

Q542. If the positions of corresponding to the multiple of 4 in the English alphabet are replaced by symbol and that of multiples of 9 by digits, how many letters will be left?

Ans: 18

Q543. The ratio of the cost price to the selling price of an article is 20: 21. If the cost price of the article is decreased by 15% and selling price is increased by 20%, find the new profit percent?

Ans: 48.2%

Q544. Ashish sold a good for Rs 250 and incurred a loss. Next time he sold the same good for Rs 775 at a profit which is 20 times the loss. Now if he wants to earn a profit of 20%, what should be the selling price of article?

Ans: Rs 330

Q545. A deal offers three successive discounts of 50% 20% and 10% on an article. What is the single effective discount rate?

Ans: 64%

Q546. The cost of 400 sacks of rice, each at Rs 1212, together with dealer's commission amount to Rs 5100. What is the percentage of profit of the dealer?

Ans: 2%

Q547. A man bought a watch for a discount of 10%. If he had bought it for a discount of 20% he would have got the watch for Rs 125 less. Find the price of the watch when no discount was offered on it.

Ans: Rs 1250

Q548. If the selling price of a guitar is 35 times more than its cost price, find the percentage of profit earned on guitar.

Ans: 60%

Q549. Dream Pies, a confectionary store purchase eggs at the rate of 11 eggs for Rs 10 and sell them to customers at the rate of 10 eggs for Rs 11. Find the percentage of profit they earn?

Ans: 21%

Q550. Ajeet is the owner of a famous confectionery store. He professes to sell his sweets at cost price but uses a false weight and earns a profit of 20%. What weight does he use instead of 1 kg?

Ans: 833 gm

Q551. A man had two bikes, which he purchased at the same price. He sold one of them at profit of 10%. He sold the other at a price which was two times the selling price of the first bike. Find his profit percentage for the second bike.

Ans: 120%

Q552. A man sells 2 bulls for Rs 1500 each. He gains 20% on one and loses 20% on the other. Which of the following is true for this transaction?

Ans: Loss of Rs 125

Q553. While doing some calculations for a scientific experiment, a man multiplied a number by 35 instead of 53. Find the percentage error in the final result?

Ans: 64%

Q554. Dev purchased some tattoos and sold them. He sold them at 12 tattoos for a rupee and had a loss of 20%. For how much amount should he sell 12 tattoos to earn a profit of 20%?

Ans: Rs 1.5

Q555. Due to change in norms by a government, an automobile dealer was needed to immediately clear stocks. He further told that by selling 9 bikes, he was losing the money equal to the selling price of 1 bike. Find his percentage loss?

Ans: 10%

Q556. If the cost price of 10 earphones is equal to selling price of 9 earphones, find the gain or loss percent in the transaction?

Ans: 1119% Profit

Q557. A real estate broker makes a profit of 10% of all the sales. How many plots of Rs 50,000 will he have to sell to earn a total of a commission of Rs 60,000?

Ans: 12

Q558. A real estate broker makes a profit of 10% of all the sales. How many plots of Rs 50,000 will he have to sell to earn a total of a commission of Rs 60,000?

Ans: 12

Q559. Which of the following will be the next term in the series given below?

6X8, 9U12, 12R16, 15O20, ?

Ans: 18L24

Q560. Which of the following will be the next term in the series given below?

2, 0, 12, 60, 630, ?

Ans: 7770

Q561. Which of the following elements does not follow the pattern given in the series?

12, 22, 42, 82, 172, 322, 642

Ans: 172

Q562. Which of the following will be the next term in the series given below?

8, 19, 52.5, 164.5, 586.75, ?

Ans: 2360

Q563. Which of the following elements does not follow the pattern given in the series?

6, 25, 62, 125, 214, 341, 510

Ans: 125

Q564. Which of the following will be the next term in the series given below?

8, 15, 13, 20, 18, ?

Ans: 25

Q565. Which of the following is the missing term in the series given below?

1.5, 4, 3, 6, 6.5, 8, ?, 10, 19.5, 12

Ans: 12

Q566. Which of the following will be the next term in the series given below?

YBD, XDC, WFB, ?

Ans: VHA

Q567. Which of the following elements does not follow the pattern given in the series?

3, 4, 8, 17, 32, 58, 94

Ans: 32

Q568. Which of the following will be the next term in the series given below?

8, 10, 28, 46, 104, ?

Ans: 194

Q569. Which of the following will be the next term in the series given below?

HEG, LIK, QNP, ?

Ans: WTV

Q570. Which of the following set of letters, when filled in the blanks in the order it is appearing, will complete the series given below?

aba\_a\_ab\_b\_bab

Ans: bbaa

Q571. Which of the following will be the next term in the series given below?

-1, 1, 4, 9, 14, ?

Ans: 23

Q572. Which of the following will be the next term in the series given below?

448, 222, 109, 52.5, ?

Ans: 24.25

Q573. Which of the following elements does not follow the pattern given in the series?

4, 9, 16, 25, 49

Ans: 49

Q574. Which of the following elements does not follow the pattern given in the series?

4, 9, 16, 25, 49

Ans: 49

Q575. He.....reading the bestseller these days.

Ans: Is

Q576. Meeta.....learning the piano for 5 years.

Ans: Has been

Q577. If her parents.....allowed her to stay, she would have stayed longer.

Ans: Had

Q578. Radha is not sure where Ram is. He.....gone to temple.

Ans: May have

Q579. He.....cricket with his friends every Sunday.

Ans: Plays

Q580. I wish I.....bought a new dress before going to the family function.

Ans: Had

Q581. The Vice President of the organization.....waiting for a phone call since this morning.

Ans: Has been

Q582. According to the parents the guests.....arrived now.

Ans: Have

Q583. By January next year, we shall.....working on this project for 2 years.

Ans: Have been

Q584. I.....Dr. Patkar for over a decade as he is our family doctor.

Ans: Have known

Q585. The manager told the head that they.....recruited five people.

Ans: Have

Q586. When she lived in Dubai, she.....for shopping every Friday.

Ans: Went

Q587. Although the family members.....started on time from home, they reached one hour late due to the heavy traffic.

Ans: Had

Q588. He.....lost his bag and this is the third time this.....happened.

Ans: Has, Has



Q589. The teacher was upset because of the politics that.....going on in the school.

Ans: Was

Q590. The teacher was upset because of the politics that.....going on in the school.

Ans: Was

Q591. Three fifth of a number is 30 more than 50 percent of that number. What is 80% of that number?

Ans: 240

Q592. If the cost of 9 chairs and 14 tables is ₹ 49650. What is the cost of 27 chairs and 42 tables?

Ans: 148950

Q593. Out of total number of student in the college, 15% are interested in sports, 35 of total student are interested in dancing, 10% of total numbers of student are interested in singing and remaining 45 students are not interested in any of the activities. What is total number of students in the college?

Ans: 300

Q594. Sudhir purchased a TV set for ₹ 14500 and spent ₹ 800 on transportation and ₹ 900 on installation. Find the price at which he should sell it so as to earn an overall profit of 18%?

Ans: 19116

Q595. A invested ₹ 20000 with the rate of interest of 20 percent per annum. The interest was compounded half-yearly for 1st year and in the next year, it was compounded yearly. Find the total interest earned at the end of 2 years?

Ans: ₹ 9040

Q596. Sri Ganesh bought 40 kg of wheat at Rs.12.50/kg and 25 kg at Rs.15.10/kg. He mixed them together. At what rate should he sell the mixture to earn 10% profit?

Ans: 14.85

Q597. A shopkeeper sold a TV set for ₹ 17940 at a discount of 8% and gained 19.6%. If no discount is allowed, what will be his gain percent?

Ans: None of these

Q598. If the numerator of a fraction is increased by 20% and its denominator by 25%, then the fraction so obtained is  $\frac{35}{58}$ . Find the original fraction.

Ans:  $\frac{58}{115}$

Q599. Rahul purchases a scooter at 1315 of its marked price and sold it at 12% more than its marked price. Find his gain percentage.

Ans: 29313%

Q600. Aman gets lumpsum amount on retirement. He spends 40% on buying house, and 30% of the remaining he spends on his daughter's marriage. From the balance he invests 75% in a business and finally he is left with ₹ 341670. Find the sum Aman will get on his retirement.

Ans: 3254000

Q601. Amit got a TV set for ₹ 11250 after getting 10% discount. He spent ₹ 150 on transportation and ₹ 800 on installation. At what price should it be sold so that profit earned on it is 15% if no discount was offered?

Ans: ₹15467.5

Q602. Deepak scored 84 marks in subject X. He scored 72% marks in subject Y and P marks in subject Z. The maximum marks in each subject was 150. The overall percentage marks obtained by Deepak in all three subject together was 62%. How many marks he scored in subject Z?

Ans: 87

Q603. What will be the difference between simple interest and compound interest earned on a sum of Rs.985 at the rate of 14% p.a at the end of two years?

Ans: Rs.19.306

Q604. What will be the difference between the simple interest and compound interest earned on a sum of ₹ 985 @ 14% p.a at the end of 2 years?

Ans: None of these

Q605. What is the compound interest on ₹ 18500 in 2 years, if rate of interest is 10% for 1st year and 12% for second year.

Ans: 4292

Q606. What is the compound interest on ₹ 18500 in 2 years, if rate of interest is 10% for 1st year and 12% for second year.

Ans: 4292

Q607. In a class, students are sitting in a row where, Ervin's rank is 22nd from the right end and Samir rank is 15th from the left end. If 7 students are sitting in between them. Which of the following could be the minimum number of students in that class?

Ans: 28

Q608. Which of the following numbers does not follow the pattern given in the series?

113, 111, 106, 96, 89, 53

Ans: 89

Q609. 'A', 'B', 'C', 'D' and 'E' each has different weights. 'D' is only lighter than 'A'. 'B' is not as heavy as 'E' and 'E' is lighter than 'C'. If the difference between the weight of 'A' and 'C' is 5 kg and weight of 'C' is 35 kg, then which of the following can be a possible weight of 'D'?

Ans: 37 kg

Q610. How many such even numbers are there in the above arrangement between the 2nd letter to the left of the 9th letter from the right end and 3rd letter to the left of a 7th letter from the left end which are followed by symbol and preceded by vowel?

Ans: One

Q611. How many unique pairs of letters are there in the word INCORRECT 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?

Ans: Two

Q612. If the given words are arranged in the order as they would appear in the dictionary from left to right, which of the following will be fifth letter to the right of the eighth letter from the left end?

Ans: Z

Q613. Which of the following is the next term in the series given below?

970, 485, 161.66, 40.41, ?

Ans: 8.02

Q614. Which of the following is the missing term in the series given below?

47, 64, 85, 102, ?, 140

Ans: 123

Q615. Ayush studies in a CBSE School. After the second terminal exam in the school, he got 31st rank from the top in Geography, whereas his rank is 18th from the bottom in History. How many students are there in his class?

Ans: Data inadequate

Q616. In a class of 110 students, Aditya's rank is 77th from the top and Anushka rank is 53rd rank from the bottom. How many students are there between Aditya and Anushka?

Ans: 18

Q617. Which of the following is the missing term in the series given below?

6.5, 12, 22, 41, 78, ?, 296

Ans: 151

Q618. Rohan and Sohan study in the same class and if all of them are sitting in a row, then, Rohan's position is 23rd from the left end and Sohan's position is 27th from the right end. If they interchange their positions, then the position of Rohan becomes 33rd from the left end. Which of the following will be the total number of students in the class?

Ans: 59

Q619. Which of the following will be the next term in the series given below?

43, 100.6, 107.8, 197.8, ?

Ans: 208.6

Q620. How many alphabets are there in the English alphabetical series between the second letter of the second word from the right and third letter of the second word from the left?

Ans: 10

Q621. If the first alphabet in each of the given words is replaced by the letter appearing next to it in the English alphabet, how many words thus formed have more than one vowel?

Ans: One

Q622. If the first alphabet in each of the given words is replaced by the letter appearing next to it in the English alphabet, how many words thus formed have more than one vowel?

Ans: One

Q623. Incomes of John and Kelvin are in the ratio 4:7 and their spending are in the ratio 6:11. If John saves  $\frac{1}{3}$ rd of his income then what will be the ratio of their savings?

Ans: 12:19

Q624. An object 1.6m long casts a shadow 1.4 m long. At the same time another object kept nearby casts a shadow 6.2 m long. Find length of second object.

Assume that the shadow of the object is directly proportional to the length of the object.

Ans: 7.08m

Q625. 2 liters of water is added to every 5 liters of alcohol and thus 49 liters of mixture is made. As the concentration of alcohol was not up to the desired standard further 15 liters of alcohol was added to the mixture. Find the ratio of alcohol in the mixture.

Ans: 25:32

Q626. A and B have books in the ratio of 3 : 4, while B and C have books in the ratio 3 : 2. If the total number of books with three of them is 232, then find the ratio of books A have in all.

Ans: 9:29

Q627. Raj rented an office and the rent of the office is split into two parts, a fixed monthly rent and the electricity which varies directly with number of units consumed. For the first month, Raj consumed 100 units and paid a rent of Rs 5500. Next month he consumed 150 units and paid a bill of Rs 5750. Find the fixed monthly rental of office?

Ans: 100

Q628. A cake was cut into two pieces in ratio 2: 3, the bigger of the two is further cut in the ratio of 3: 4. Find the ratio of three of pieces.

Ans: 14 : 9 : 12

Q629. If  $5a^3 = 7b^4 = 11c^5 = 4a + 9b + 6c$ , then what will be the value of  $k$ ?

Ans:  $125 + 367 + 3011$

Q630. Rs.5130 is divided among P, Q, R and S, such that 3 times P's share equals 4 times Q's share equals 5 times R's share equals 6 times S's share. Find share of S?

Ans: Rs.900

Q631. Cumulative score of A, B and C in an examination is 4913 out of 6000 such that if they scored 27, 29 and 41 marks less respectively then their scores would be in ratio 5:7:4. Find the marks scored by C.

Ans: 1245

Q632. If  $yz:zx:xy = 1 : 2 : 3$ , then find  $xyz : yzx$ .

Ans: 4 : 1

Q633. If  $x$  is one more than 3 times of 'a' and  $y$  is 7 less than twice of 'a' and  $z$  is 3 less than  $a$ . If 6 times square of  $z$  is 7 less than  $xy$ , then find the value of 'a'.

Ans: 4

Q634. In a class there are  $N$  number of students where ratio of boys to girls is 6: 1. The ratio would have been 9:1 if there are 6 more boys. Find the total number of students.

Ans: 14

Q635. An object 1.6m long casts a shadow 1.4 m long. At the same time another object kept nearby casts a shadow 6.2 m long. Find length of second object.

Assume that the shadow of the object is directly proportional to the length of the object.

Ans: 7.08m

Q636. Raj rented an office and the rent of the office is split into two parts, a fixed

monthly rent and the electricity which varies directly with number of units consumed. For the first month, Raj consumed 100 units and paid a rent of Rs 5500. Next month he consumed 150 units and paid a bill of Rs 5750. Find the fixed monthly rental of office?

Ans: Rs 5000

Q637. A grocer buys coffee at Rs 7 /kg and chicory at Rs 3 /kg and gain 50% by selling the mixture at Rs 7.50 /kg. How much chicory was there in one kg of the mixture?

Ans: 0.5 kg

Q638. A grocer buys coffee at Rs 7 /kg and chicory at Rs 3 /kg and gain 50% by selling the mixture at Rs 7.50 /kg. How much chicory was there in one kg of the mixture?

Ans: 0.5 kg

Q639. If in a certain code language 'SUBJECT' is written as '1321532'. Which of the following will be the code for the word 'OPTIONS'?

Ans: 6729651

Q640. In a certain code 'METHYL' is written as 'UDNMXI'. In which of the following manner will the word 'RELIEF' be written in the same code?

Ans: MDSGDJ

Q641. In a certain code language 'LOT MAT RAT' means 'we were lazy', 'DOT BAT RAT' means 'lazy was unhealthy' and 'NOT JOT BAT' means 'she was curious'. Which of the following will be the code for the word 'unhealthy'?

Ans: DOT

Q642. In a certain code language 'CHALLENGE' is written as 'DCXFFUWLU'. Which of the following will be the code for the word 'EAGLE'?

Ans: UXLFU

Q643. Which of the following will be the code for 'poaching not makes'?



Ans: Both 'ja ko zi' and 'ja ga zi' are possible

Q644. In a certain code language, 'A' is written as '2', 'B' is written as '3', 'C' is written as '4' and so on. Which of the following will be the code for the word 'SPRAIN'?

Ans: 20171921015

Q645. Which of the following will be the code for 'makes goods'?

Ans: zi fa

Q646. In certain code language 'AIM FOR ALL' means 'Max is good', 'ALL THE AIM' means 'good is best' and 'FOR ALL NOT' means 'Max is intelligent'. Which of the following will be the code for the word 'intelligent'?

Ans: NOT

Q647. In a certain code language 'LOT MAT RAT' means 'We were lazy', 'DOT BAT RAT' means 'Lazy was unhealthy' and 'NOT JOT BAT' means 'She was curious'. Which of the following will be the code for the word 'was'?

Ans: BAT

Q648. In a certain code language 'LOT MAT RAT' means 'we were lazy', 'DOT BAT RAT' means 'lazy was unhealthy' and 'NOT JOT BAT' means 'she was curious'. Which of the following will be the code for the word 'curious'?

Ans: Cannot be determined

Q649. In a certain code language, 'PAIN' is written as 'REOV'. Which of the following will be the code for the word 'FROM'?

Ans: HVUU

Q650. In a certain code language, the word 'EXTERNAL' is written as '56259513'. Which of the following will be the code for the word 'STORY'?

Ans: 102697

Q651. Which of the following will be the code for the word 'and'?

Ans: pa

Q652. In a certain code language 'QUESTION' is coded as 'JFVHGRLM'. Which of the following will be the code for the word 'PAYMENT'?

Ans: KZBNVMG

Q653. In a certain language 'SHARE' is written as '\$3%#5' and 'NEWS' is written as '75@\$'. Which of the following will be the code for 'ANSWER'?

Ans: %7\$@5#

Q654. In a certain language 'SHARE' is written as '\$3%#5' and 'NEWS' is written as '75@\$'. Which of the following will be the code for 'ANSWER'?

Ans: %7\$@5#

Q655. It was.....who lost her wallet at the station.

Ans: She

Q656. ....enjoyed.....a lot at the annual party.

Ans: They, Themselves

Q657. Roshni and .....are planning a dinner on this weekend.

Ans: I

Q658. I am interested in.....project and she is interested in.....

Ans: My, Hers

Q659. Ram and Raghav talk to.....a lot.

Ans: Each other

Q660. ....women are more intelligent than men when it comes to handling emotions.

Ans: We

Q661. One must believe in.....

Ans: Oneself

Q662. The letter was for ....., not.....

Ans: Me, Him

Q663. The invitation card was for .....and.....

Ans: Him, Her

Q664. ....house is bigger than that of Radha's.

Ans: My

Q665. Ram is taller than.....

Ans: I

Q666. This English book is.....not.....

Ans: Hers, Mine

Q667. Everyone should believe in.....teachers and parents.

Ans: His/Her

Q668. ....should always practice what.....preaches.

Ans: One, One

Q669. ....terrible, how we tend to waste our natural resources.

Ans: It's

Q670. ....terrible, how we tend to waste our natural resources.

Ans: It's

Q671. Average age of a family of 5 in 2010 member is 15. A new member is born in the family in 2010. Find the average age of family on 4th birth day of youngest member.

Ans: 16.5 years

Q672. The average salary of A, B is Rs. 3500 and that of B and C is 5000, C and D is Rs. 4000. And average of D and A is 4500. Find the average salary of all A, B, C and D.

Ans: Rs. 8500

Q673. B is four times of A. In 5 years B will be thrice of A. In how many years A will be half the age of B

Ans: 20

Q674. Average marks of section A of class 10th is 40.8 and that of section B of class 10th is 42.5. If combined average of both the section is 41.82. Find the ratio of students in section A to that of section B.

Ans: 2:3

Q675. Bowling 10 overs per match Kamlesh Nakerkoti picked 42 wickets in 27 matches at an average of 23.5. In next three matches he bowled 25 overs, conceded 63 runs and picked 8 wickets. Find his bowling average after 30 matches.

Ans: 21

Q676. Average weight of 10 students is calculated. By mistake, the digits of one of the student's weight get interchanged, and the average weight gets increased by 5.4 kg. Find the difference of the digits of the students' weight.

(Note: No student is less than 10 kg and more than 99 kg)

Ans: 6

Q677. A goes from P to Q at the speed of 40 km/hr and returned at the speed of 60 km/hr. The average speed of A during the whole journey is -

Ans: 48 km/hr

Q678. The ratio of the ages of A and B is 3:1. Four years ago the ratio was 4 : 1, Find the average age of A and B after 2 years .

Ans: 26 years

Q679. Three students Andy, Bunny and Calvin scored a total marks of 76. If all the three scored 8 more marks then ratio of their marks are 5:8:7 respectively. Find the average scored by Bunny and Calvin

Ans: 29.5

Q680. Average of ten positive number is  $A$ . If each number is increased by 10%, then which of the following will indicate value of  $A$ .

Ans: Is increased by 10%

Q681. Rajiv decided to go for dinner along with his 12 friends. He paid Rs.145, and all of his friends paid an equal amount. Later they found out that the average amount that was to be paid by all of them was 5 more than what was paid by each of Rajiiv's friend. How much money did each of his friends pay?

Ans: 80

Q682. Batting average of a batsman in his 27 innings is 47.07. In his next inning he scored some runs such that his average is increased by 3. Find the runs scored by him in his 28th innings.

Ans: 131

Q683. In a scientific experiment, nine observations were taken to find out the value of a constant. The average of nine observations came out to be 85. If the average of first five observations is 82 and the average of last three observations is 95. Find the sixth observation.

Ans: 70

Q684. If average of  $a+1$  is  $2K$  ( $a > 0$ ). Find the average of  $a^2$  and  $1/a^2$

Ans:  $2K^2 - 1$

Q685. Amit age was 4 years when Ankita was born while Arunita was 26 years old when Ankit was born. If Ankita was 4 years old when Ankit was born, find the average age of four when Ankit was 8 years old.

Ans: 17.5 years

Q686. Amit age was 4 years when Ankita was born while Arunita was 26 years old when Ankit was born. If Ankita was 4 years old when Ankit was born, find the average age of four when Ankit was 8 years old.

Ans: 17.5 years

Q687. How many meaningful words can be formed from the first, second, seventh and tenth letters of the word 'PERSONALITY', using all letters only once?

Ans: Three

Q688. A group of letters are assigned some numerical value as given below.

O Y A U L T

1 2 3 4 5 6

When a meaningful word is formed the corresponding numerical values form a code.  
Which of the following will be the code for the meaningful word thus formed?

Ans: 532146

Q689. Which of the following words CANNOT be formed by using some of or all of the letters of the word 'RADIOELEMENT'?

Ans: DIALECTAL

Q690. Which of the following words CANNOT be formed by using some of or all of the letters of the word 'ACCLIMATIZATION'?

Ans: MALCONTENT

Q691. Which of the following words CANNOT be formed from the letters of the word 'PERSEVERANT'?

Ans: PRESERVER

Q692. If the following names were included in a dictionary, then which of the following will be the correct arrangement of the names according to its appearance in the dictionary?

1. RAMASHISH, 2. RANDOLPH, 3. RANDNOR, 4. RAMNARAYAN, 5. RAMESHWAR

Ans: 15432

Q693. Which of the following terms can be added in all of the given blanks to make

meaningful words in each case?

( \_ \_ \_ )EATH, ( \_ \_ \_ )DING, ( \_ \_ \_ )CHER, ( \_ \_ \_ )DERS

Ans: BEN

Q694. Which of the following terms can be added in all of the given blanks to make meaningful words in each case?

DET( \_ \_ \_ ), ST( \_ \_ \_ ), BR( \_ \_ \_ ), MAINT( \_ \_ \_ ), CERT( \_ \_ \_ )

Ans: AIN

Q695. Direction: If it is possible to form a meaningful word with the third, fifth, sixth and seventh letters of the word 'MATHEMATICS', then answer the following question. If no such word can be formed, provide 'X' as the answer. If more than one such word can be formed, mark 'Q' as the answer.

Ans: Q

Q696. Arrange the following words on the basis of its ranks in the dictionary-

- A. QUEUE
- B. QUESTOR
- C. QUERIES
- D. QUINATE

Ans: CBAD

Q697. Which of the following words CANNOT be formed by using some of or all of the letters of the word 'DEACTIVATORS'



Ans: ROSTER

Q698. Which of the following words CANNOT be formed by using some of or all of the letters of the word 'REASONING'?

Ans: SONGSTER

Q699. When repetition of letters is allowed, which of the following words CANNOT be formed by using some of or all of the letters of the word 'GAMOPETALOUS'?

Ans: TAMPON

Q700. Which of the following words can be formed from the letters of the word 'INFRINGEMENT', using each letter only once?

Ans: ENGINE

Q701. Arrange the following words on the basis of its ranks in the dictionary-

1. CONTINUE
2. CONSCIENCE
3. CONSTANCE
4. CONTENT
5. CONSTITUENCY

Ans: 23541

Q702. Arrange the following words on the basis of its ranks in the dictionary-

1. CONTINUE
2. CONSCIENCE

3. CONSTANCE

4. CONTENT

5. CONSTITUENCY

Ans: 23541

Q703. Two alloys containing gold, copper and silver in the ratio 3:2:5 and 4:5:6 are melted in ratio 3:2 to form a new alloy. Find ratio of gold, copper and silver in the new alloys.

Ans: 43:38:69

Q704. A sales man professes to sell his rice at cost price but he mixes it with rice dust and there by gains 25%. Find the ratio of rice dust in mixture. (Assuming cost price of rice dust is zero)

Ans: 4:1

Q705. A vessel has 10 ml solution of milk and water containing 20% milk. X ml of milk was added to the vessel to reverse this ratio. Again y ml of water was added to the vessel to reverse the ratio once again. Find x+y

Ans: 150ml

Q706. A milkman sells milk for Rs 50/liter. One day he mixes some water in milk such that after selling the mixture at 40 rupees per liter he earns a profit of 25%. Find the ratio of milk and water in new mixture.

Ans: 16:9

Q707. One type of alloy contains 25% of lead, 2nd type contains 30% of lead and 3rd type contains 45% of lead. All three types of alloys are melted to form a new alloy such that it contains 6 parts of the first alloy, 4 parts of the second alloy and 5 parts of 3rd alloy. Find percentage of lead in final alloy.

Ans: 33%

Q708. A vessel contains 600 liters of alcohol. 15% of pure alcohol is replaced with same amount of water. Again 15% of the mixture is replaced with same amount of water. The process is repeated one more time. Find the percentage of alcohol in mixture

Ans: 61.42%

Q709. A shopkeeper mixes cow milk costing Rs 50/kg and goat milk costing Rs 45/kg and sells the mixture at 20% profit. Find the selling price of mixture

Ans: Rs 57

Q710. From a container of milk 10 liters milk is replaced twice with same quantity of water. If the initial quantity of milk was 50 liters find the ratio of milk and water in container after replacement.

Ans: 16:9

Q711. A chemist has 20 liters of solution that is 35% hydro-chloric acid by volume. He wants to increase the concentration of acid to 40% by removing water from it. How many liters of water must be drawn off to make new solution of 40% concentration of acid.

Ans: 52liters

Q712. A vessel contains 600 liter of alcohol. 15% of pure alcohol is replaced with same amount of water. Again 20% of the mixture is replaced with same amount of fruit juice. Find the ratio of alcohol, water and fruit juice in the mixture.

Ans: 51:9:15

Q713. A person mixes three kinds of fruits: apple, banana and orange costing Rs.40/kg, Rs.25/kg and Rs.10 /kg respectively for making mix-fruit salad so that the resultant mixture when sold at Rs.30/kg yields a profit of 20%. Find the ratio in which three fruits: apple, banana and orange are mixed.

Ans: 1:2:1

Q714. 4 kg of mixture contains one-fifth of rice and rest pulse. Another 5 kg of mixture

contains one-eighth of pulse and rest rice. Find the ratio of rice and pulse if these two quantities are mixture to form a new mixture?

Ans: 207:153

Q715. Bucket A contains 10 liters of water and bucket B contains 20 liters of alcohol. Initially, 1 liter of water is taken out of bucket A and poured into bucket B. Then 1 liter of solution is taken out of bucket B and is poured into bucket A. From the given statements find which of the following is correct.

Ans: Quantity of alcohol in bucket A = Quantity of water in bucket B

Q716. Grains worth Rs 12 per kg and Rs 20 kg is mixed with 3rd variant of grain in ratio 4:6:3 such that the cost of mixed grain is Rs 13/kg. Find the cost of third variant of grain

Ans: Rs 17

Q717. Alcohol is 12 times as heavy as soda and beer is 7 as times heavy as soda. Find the ratio in which two liquors be mixed to a solution 10 times heavier as soda.

Ans: 3:2

Q718. Alcohol is 12 times as heavy as soda and beer is 7 as times heavy as soda. Find the ratio in which two liquors be mixed to a solution 10 times heavier as soda.

Ans: 3:2

Q719. What will be the code for 43754268?

Ans: SLMPE%\$!

Q720. Choose the correct order of numbers so that the letters arranged accordingly will form a meaningful word:

IMDSHONA12345678

Ans: 8, 3, 2, 6, 7, 1, 4, 5

Q721. What will be the code for 2340971?

Ans: %LEK\*M@

Q722. Rearrange the letters given below to form a meaningful word and choose from the given alternatives the word which is almost similar in meaning to the word so formed.

RSANGET

Ans: Unusual

Q723. Which of the following will be the code for the word 'LADY'?

Ans: 87, 40, 79, 13

Q724. How will 'Drivers were late' be written in a code language?

Ans: W#H, D@V, O@V

Q725. If the letters of the word 'ENVIRONMENT' can be used as many times as one wants to use, then which of the following four words cannot be formed?

Ans: NATION

Q726. What could be the code for K@H?

Ans: Passengers

Q727. If 'kho-kho' is called 'cricket'. 'cricket' is called 'badminton', 'badminton' is called 'tennis', 'tennis' is called 'squash' and 'squash' is called 'chess', then which game Dipika Pallikal Karthik associated with?

Ans: Chess

Q728. Find the last letter of the meaningful word that can be formed by after rearranging the letters of the word 'NNMIETE'

Ans: T

Q729. Rearrange the letters in the given words and find the odd one out.

Ans: UENP

Q730. If in a certain code language 'PRELIMS' is written as '10493597', 'DUST' is written as '21034', then how will 'SOLUTION' be written in that language?

Ans: 569233610

Q731. What is code for IPL?

Ans: R#O

Q732. Find one word out of the given alternatives, which can be formed from the letters of the word 'ESPIONAGE'. (Letters of the word is used only one time)

Ans: SPONGE

Q733. If it is possible to make a meaningful word from the second, the fifth, the sixth and the eighth letters of the word 'CONGRUITY' using each letter only once, then which will be third letter of that word? If no such word can be formed, your answer would be 'X' and if more than one such word can be formed, your answer would be 'P'.

Ans: P

Q734. If it is possible to make a meaningful word from the second, the fifth, the sixth and the eighth letters of the word 'CONGRUITY' using each letter only once, then which will be third letter of that word? If no such word can be formed, your answer would be 'X' and if more than one such word can be formed, your answer would be 'P'.

Ans: P

Q735. My favorite ..... is blue in color.

Ans: Pair of Spectacles

Q736. Which of the following options is NOT an Adverb?

Ans: Smart

Q737. According to the passage, Ebola can spread through which of the following?

Ans: Contact with the body fluids of the infected

Q738. ....Moon is the most beautiful celestial body.

Ans: The

Q739. I am as hardworking as..... still, I didn't get the promotion.

Ans: He

Q740. Although Seema inherited a large fortune from her parents, she continues to live a ..... life.

Ans: Disciplined

Q741. Neither the teacher nor the students.....going to the sci-fi movie.

Ans: Are

Q742. According to the passage, which of the following can be inferred?

Ans: Vaccines can help only in a moderate way to reduce the current outbreak of Ebola.

Q743. Maya is .....most intelligent girl in her class.

Ans: The

Q744. It was.....who helped you during the crisis.

Ans: I

Q745. .... chairman praised Mr. Sharma for his outstanding performance in the organization.

Ans: The

Q746. The family.....finally moving to its hometown.

Ans: Is

Q747. .... mother is very careful about her kids.

Ans: Rahul and Ram's

Q748. The .....book got lost when he left it in the classroom.

Ans: Boy's

Q749. Radha.....her work meticulously in order to get teacher's appreciation.

Ans: Was to do

Q750. Radha.....her work meticulously in order to get teacher's appreciation.

Ans: Was to do

Q751. No other child in the family is as.....as Ritika.

Ans: Good

Q752. She recited the poem so.....that nobody was able to understand the meaning.

Ans: Quickly

Q753. Which of the following sentences is grammatically correct?



Ans: Ramona was Junior to me in college.

Q754. She is the most unique/designer and her/designs are very high in demand/ No Error.

Ans: She is the most unique

Q755. I more prefer/to study Mathematics/over History/No Error.

Ans: I more prefer

Q756. Which of the following sentences is grammatically correct?

Ans: Neena is more intelligent than she is brave.

Q757. She is..... person I have ever met in my life.

Ans: The sweetest

Q758. Out of apple, papaya and mango I prefer the.....

Ans: Last

Q759. Few of the students were missing after the lunch break. The teacher became happy when they came back to the class.....

Ans: Eventually

Q760. No sooner did I/ reach the railway station/when the train left/ No Error.

Ans: when the train left

Q761. There are/less Parsis residing in New Delhi/than in Mumbai/No Error.

Ans: less Parsis residing in New Delhi

Q762. She was feeling..... pain as compared to what she was feeling two hours ago.

Ans: Less

Q763. Which of the following sentences is grammatically correct?

Ans: I have often told him to sing melodiously.

Q764. Which of the following sentences is grammatically correct?

Ans: Who is more intelligent between Shobha and Reema?

Q765. Raja's house/ is bigger than/that of Mohan's/ No Error.

Ans: that of Mohan's

Q766. Raja's house/ is bigger than/that of Mohan's/ No Error.

Ans: that of Mohan's

Q767. Anuj and Amit started running on a circular trace of 400m with a speed of 5km/hr and 8 km/hr from the same point in opposite direction. Find the time after which they will meet for the 1st time

Ans: 156minutes

Q768. A light house is situated in middle of the two shores(east shore and west shore) of river. A steamer boat with some passengers starts from east shore towards west shore but near the light house the driver found the fuel not enough in the steamer to return back from west shore to east shore. So the steamer turned back from light house towards east shore and took 15 hours in the round trip. If the steamer takes 24 hours to travel from east shore to west shore then find the time taken by the same to return from west shore to east shore.

Ans: 6 hours

Q769. Anuj and Amit started running on a circular trace of 400m with a speed of 5km/hr

and 8 km/hr from the same point in same direction. Find the time after which they will meet for the first time.

Ans: 8 minutes

Q770. A street food vendor walks at a speed of 12km per hour from market reaching nearby school 10 minutes after the recess break starts. If he had walked at a speed of 15km per hour, he would have reached the school 10 minutes before the recess break starts. Find the distance between school and market

Ans: 20 km

Q771. In a cycle race from Bhubaneswar to Puri the cyclist who came last travelled 19 km less distance in 5 hours than the distance travelled by the cyclist in 6 hours who came first and, the distance travelled by the cyclist who came last in 8 hours is 6 km more than the distance travelled by the cyclist in 4 hours who came first. Which of the following can be the speed range of the cycle race(in kilometers per hour).

Ans: 4 - 6.5

Q772. Dhanesh covers a certain distance in 1.4 hour by covering 23rd of the distance at 4 km/hr and rest at 5 km/hr. Find the total distance travelled Dhanesh.

Ans: 6 km

Q773. The ratio of speed of Amit and Beny is 3:4 and therefore Amit takes 12 minutes more than Beny to reach a destination. If Amit had travelled at double the speed, he would have cover same distance in

Ans: 24 minutes

Q774. In a team of four member (A,B,C and D)participating in a relay race the speed of four member are given as follows. A is twice as fast as B, B is thrice as fast as C .and C takes 34of time as taken by D to complete the 400m in a 1600 m relay race. If D takes 10 minutes to complete 400 m ,find the time taken by team to complete the relay race.

Ans: 21 min 15 seconds

Q775. A cruise was 100 km from the nearest shore when the captain discovered a leak

which admits 5 tons of water in 10 minutes ,120 tons would suffice to sink the cruise. The captain came up with a temporary solution by fixing a pump which can throw 10 tons of water in an hour. Find the average sailing rate of the cruise that may just allow cruise to reach the nearest shore

Ans: 16.67 km/hr

Q776. Mohan can reach a certain place in 30 hours. If he reduces his speed by  $\frac{1}{15}$ th, he goes 10 km less in that time. Find the time taken by Mohan to travel 24 km with reduced speed.

Ans: 5.14 hours

Q777. A toy train moving with some initial speed takes 3 hours to reach the ground from top of an inclined plain, it again travels for 3 hours with same speed to climbs the inclined plain but falls (x)km shorter. In the whole 6 hours the toy train travels a total of 12 km.If the inclination helps the toys train with a speed of 1 km/hr moving down the inclination, Find the extra time required by the toy train to climb up and reach the starting point.

Ans: 6 hours

Q778. Anuj and Amit started running on a circular trace of 400m with a speed of 5km/hr and 8 km/hr from the same point in same direction.. Find the time after which they will meet at starting point.

Ans: 24 minutes

Q779. In a to-and-fro journey, the speeds of the bus is 20 kmph and 15 kmph respectively. If it takes 245 hours to complete the whole journey then which of the following will be the total distance traveled by bus?

Ans: 48 km

Q780. A thief steals a car at 9 : 30 pm and drives at 60 km/hr. The theft is discovered at 10:00 pm and the owner sets off in another car at 75 km/hr. When will the owner catch the thief?

Ans: 12 PM

Q781. If a cyclist increases his speed by 40% than his usual speed of 10 km/hr he will be able to cover 20 km more than usual. Find the usual distance travelled by cyclist

Ans: 50 km

Q782. If a cyclist increases his speed by 40% than his usual speed of 10 km/hr he will be able to cover 20 km more than usual. Find the usual distance travelled by cyclist

Ans: 50 km

<https://github.com/sauravhathi/lpu-cse/tree/master/shortway/myperfectice>