Q1.(11111011)2 = ()8

1.340

2.373

3.356

4.387

Q2.(1x5) + 1/(5x9) + 1/(9x13) + _____ + 1/(221x225) is

1.28/221

2.56/221

3.56/225

4.None of these

Q3.(x^2y^3 ? xy)/ (x^2 y) = ? where x=5, y=2

1.19/10

2.19/5

3.5/19

4.None Of the above

Q4.(11111011)2 = ()8

1.473

2.373

3.521

4.743

Q5.7 members have to be selected from 12 men and 3 women ,Such that no two women can come together .In how many ways we can select them ?

1.2000

2.2149

3.2772

4.2586

Q6.7528 : 5306 :: 4673 : ?

1.2367

2.2451

3.2531

4.2489

Q7.8 identical coins are arranged in a row .the total number of ways in which the number of heads are equal to number of tails is?

1.35

2.15

3.140

4.70

Q8.A 5-digit number has a peculiar characteristic wherein the product of first two digits with last two digits minus the central digit results in a string of just one digit. Which of the following option satisfies this condition?

1.14793

2.39157

3.12345

4.34753

Q9. A and B started a business in partnership investing Rs 20000/- and Rs 15000/- respectively. After six months C jointed them with Rs 20000/-. What will be B's share in the total profit of Rs 25000/- earned at the end of two years from the starting of the business?

1.6000

2.7500

3.8000

4.8500

Q10. A and B together have Rs. 1210. If 4/15 of A's amount is equal to 2/5 of B's amount, how much amount does B have?

1.460

2.560

3.484

4.684

Q11.A bag contains 3 white and 5 black balls. One ball is drawn. What is the probability that it is black?

1.5/8

2.5/6

3.5/7

4.5/9

Q12. A basket contains 10 apples and 20 oranges out of which 3 apples and 5 oranges are defective. If we choose two fruits at random, what is the probability that either both are oranges or both are non defective?

1.136/345

2.17/87

3.316/435

4.158/435

Q13. A box contains 24 identical balls of which 12 are white and 12 are black.The balls are drawn at random from the box one at a time with replacement.The probability that a white ball is drawn for the 4th time on the 7th draw is?

1.1/5

2.27/32

3.5/32

4.5/64

Q14. A bus standing from stop A is carrying a certain number of passengers. At the next stop B, 1/3rd of the passengers alight and 18 new passengers get in. At the next stop C, 3/4th of the remaining passengers alight and 12 new passengers get in after which there are 25 passengers in the bus.
How many passengers were there in the bus when it left the stop A?

1.54

2.53

3.52

4.51

Q15.A bus starting from Delhi is carrying a certain number of passengers. At the next stop Agra 1/3rd of the total passengers alight and 18 new passengers get in. At the next stop Kanpur, 3/4th of the remaining get down and 12 passengers get in, after which there are 25 passengers in the bus. How many passengers were there in the bus when it left Delhi?

1.51

2.52

3.53

4.54

Q16. A car crosses a man walking at 6 km/h. The man can see the things upto 450m only in one direction due to fog. He sees the car which was going in the same direction for 4.5 minutes. What is the speed of the car?

1.9 km/h

2.12.5 km/h

3.12 km/h

4.15 km/h

Q17. A coin is tossed twice if the coin shows head it is tossed again but if it shows a tail then a die is tossed. If 8 possible outcomes are equally likely.

Find the probability that the die shows a number greater than 4, if it is known that the first throw of the coin results in a tail.

1. 1/3
2. 2/3
3. 2/5
4. 4/15

Q18. A college schedules lectures of 9 professors. 3 professors every day, till all possible combinations are exhausted. If no combination of professors is ever repeated on any day, then how many days will each professor have to come?

1. 504
2. 252
3. 168
4. 140

Q19. A company has a job to prepare certain number cans and there are three machines A, B and C for this job. A can complete the job in 3 days, B can complete the job in 4 days and C can complete the job in 6 days. How many days the company will take to complete the job if all the machines are used simultaneously?

1. 4 days
2. 5 days
3. 4/3 days
4. Cannot be determined

Q20. A company instead of raising the mark-up by 20% discounted the cost price by 20% while stiching the price tag on its product. Further the company offers a discount of 6.25% to its customer. In this process company incurs a loss of Rs.37.5 on a single article. What is the selling price of that article?

1.417.5

2.112.5

3.365.5

4.none of these

Q21. A family X went for a vacation. Unfortunately it rained for 13 days when they were there. But whenever it rained in the mornings, they had clear afternoons and vice versa. In all they enjoyed 11 mornings and 12 afternoons. How many days did they stay there totally?

1.36

2.18

3.12

4.9

Q22. A first grade teacher uses ten flash cards, numbered 1 through 10, to teach her students to order numbers correctly. She typically asks students to choose four flash cards randomly, and then arrange them in ascending order. One day, she removes the cards numbered 2 and 4 from the deck of flash cards. On that day, how many correct arrangements of four randomly selected cards are possible?

1.70

2.210

3.840

4.1680

Q23.A first grade teacher uses ten flash cards, numbered 1 through 10, to teach her students to order numbers correctly. She typically asks students to choose four flash cards randomly, and then arrange them in ascending order. One day, she removes the cards numbered 2 and 4 from the deck of flash

cards. On that day, how many correct arrangements of four randomly selected cards are possible?

1.70

2.210

3.840

4.1680

Q24. A letter Is taken out at random from ASSISTANT and another is taken out from STATISTICS.The probability that they are the same letters is ?

1.37/87

2.19/90

3.17/29

4.none

Q25. A natural number is chosen at random from the first 100 natural numbers. What is the probability that the number chosen is a multiple of 2 or 3 or 5?

1.30/100

2.1/33

3.74/100

4.7/10

Q26. A pack of cards consists of 9 cards numbered 1 to 9. Three cards are drawn at random with replacement. Then the probability of getting 1 even and 2 off numbered card is

1.3/143

2.100/243

3.50/343

4.7/72

Q27. A passenger train covers the distance between stations X and Y, 50 minutes faster than a goods train. The distance between X and Y is 25 km. If the average speed of the passenger is 60 kmph, find the average speed of the goods train?

1. 50/3 m/s
2. 40/3 m/s
3. 50/9 m/s
4. 20 m/s

Q28. A retailer bought 20 kg tea at a discount of 10%. Besides 1 kg tea was freely offered to him by the wholesaler at the purchase of 20 kg tea. Now he sells all the tea at the marked price to a customer. What is profit percentage of retailer?

1. 30%
2. 12%
3. 16.66%
4. none of theses

Q29. A shop has 4 shelf, 3 wardrobes, 2 chairs and 7 tables for sell. You have to buy

a. 1 shelf

b. 1 wardrobe

c. either 1 chair or 1 table

How many selections can be made?

1. 111
2. 108
3. 112
4. 110

Q30. A, B, C are three mutually exclusive and exhaustive events associated with a random experiment. Find P (A) if it is given that P (B) = 3/2 P (A) and P(C) =1/2 P (B).

1. 4/13
2. 2/3
3. 12/13
4. 1/13

Q31. A. All rax are dax.

B. To be a dax you have to not be a sax.

C. All sax are rax.

D. All dax are rax.

E. No sax are rax.

F. All max are not sax.

1. BCA, EFD
2. ABC, DEF
3. CAB, FED
4. None of these

Q32. Aman Verma and Mini Mathur jointly host a TV programme in which one day n guests attended the show. There each guest shakes hands with every other guest and each guest has to shake hand with each of the hosts. If there happens to be total 65 shake hands, find the number of guests attended the show.

1. 13
2. 14
3. 10
4. 9

Q33.An arithmetic progression or AP is a sequence where the difference between two successive terms is always a constant.The sum of 3 consecutive terms of an AP is 27 and the product of these 3 terms is 704.The first term of this AP is

1.9

2.22/3

3.23/3

4.28/3

Q34. An urn contains 4 white 6 black and 8 red balls. If 3 balls are drawn one by one without replacement, find the probability of getting all white balls

1.5/204

2.1/204

3.13/204

4.none of these

Q35. Anna sold his car to Boney at a profit of 20% and Boney sold it to Chakori at a profit of 10%. Chakori sold it to mechanic at a loss of 9.09%. Mechanic spent 10% of his purchasing price and then sold it at a profit of 8.33% to Anna once again. What is the loss of Anna?

1.23%

2.29%

3.50%

4.40%

Q36. Based on the statement in the question, mark the most logical pair of statement that follow.

"Either he will shout or they will fire".

(1) He shouted.

(2) He did not shout.

(3) They fired

(4) They did not fire

1.1,3

2.2,4

3.4,1

4.2,3

Q37. Can you find the next number in the below sequence

3 , 7 , 10 , 11 , 12 , 17 ?

1.30

2.20

3.40

4.50

Q38. Directions for Question: Refer to the following information to answer the questions that follow.Seven real life celebrities Amitabh Bachhan, SR Tendulkar, Saina Nehwal, Ratan Tata, Arundhati Roy, AR Rehman and Vishwanath Anand visited a charity function conducted by UNESCO on days from Monday till Thursday (at least 1 but not more than 2 on a single day).

1. Each of them belongs to a different profession among Acting, Chess, Music,

Literature, Badminton, Business and Cricket.

2. Ratan Tata visits on Wednesday with the businessman.

3. The musician does not visit on Thursday and neither with Roy nor with Anand.

4. Cricketer AR Rehman visits alone on Monday.

5. Tendulkar visits on Tuesday and he is not a musician.

6. Nehwal visits on Tuesday too and Anand is not into business.

7. The musician and actor visit together.

8. The author visits on Wednesday.

9. Amitabh is neither into chess nor is he a businessman.

What is the profession of Amitabh?

1. Acting
2. Badminton
3. Literature
4. Music

Q39. Directions for Question: Refer to the following information to answer the questions that follow.Seven real life celebrities Amitabh Bachhan, SR Tendulkar, Saina Nehwal, Ratan Tata, Arundhati Roy, AR Rehman and Vishwanath Anand visited a charity function conducted by UNESCO on days from Monday till Thursday (at least 1 but not more than 2 on a single day).

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6. Nehwal visits on Tuesday too and Anand is not into business.

7. The musician and actor visit together.

8. The author visits on Wednesday.

9. Amitabh is neither into chess nor is he a businessman.

On which day do Chess and Badminton players visit?

1. Thursday
2. Monday
3. Wednesday

4.Tuesday

Q40. Directions for Question: Refer to the following information to answer the questions that follow.Seven real life celebrities Amitabh Bachhan, SR Tendulkar, Saina Nehwal, Ratan Tata, Arundhati Roy, AR Rehman and Vishwanath Anand visited a charity function conducted by UNESCO on days from Monday till Thursday (at least 1 but not more than 2 on a single day).

1. Each of them belongs to a different profession among Acting, Chess, Music,Literature, Badminton, Business and Cricket.
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4. Cricketer AR Rehman visits alone on Monday.
5. Tendulkar visits on Tuesday and he is not a musician.
6. Nehwal visits on Tuesday too and Anand is not into business.
7. The musician and actor visit together.
8. The author visits on Wednesday.
9. Amitabh is neither into chess nor is he a businessman.On which day does Arundhati Roy visits?

1.Thursday

2.Wednesday

3.Tuesday

4.Monday

Q41. Directions for Question: Refer to the following information to answer the questions that follow.Seven real life celebrities Amitabh Bachhan, SR Tendulkar, Saina Nehwal, Ratan Tata, Arundhati Roy, AR Rehman and Vishwanath Anand visited a charity function conducted by UNESCO on days from Monday till Thursday (at least 1 but not more than 2 on a single day).

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5. Tendulkar visits on Tuesday and he is not a musician.
6. Nehwal visits on Tuesday too and Anand is not into business.
7. The musician and actor visit together.
8. The author visits on Wednesday.
9. Amitabh is neither into chess nor is he a businessman.

What is Ratan Tata Profession?

1. Literature
2. Business
3. Badmnton
4. Chess

Q42. **Directions:** A question is given followed by 2 options I&II

Choose options A-E according to the following key

A- I alone is sufficient (to answer the question) & II alone is insufficient

B- II alone is sufficient & I alone is insufficient

C- Both I & II put together is required to answer the question

D- Both I & II put together is insufficient to answer the question

E- I alone or II alone is sufficient

What is the ratio of the circumferences of a smaller circle to that of a larger circle?

I. The radius of larger circle is 6 inches

II. The radius of one circle is half the another

1. A
2. B
3. C
4. D
5. E

Q43. Directions: A question is given followed by 2 options I&II

Choose options A-E according to the following key

A- I alone is sufficient (to answer the question) & II alone is insufficient

B- II alone is sufficient & I alone is insufficient

C- Both I & II put together is required to answer the question

D-Both I & II put together is insufficient to answer the question

E- I alone or II alone is sufficient

What will be the interest for Rs.5000?

I. If he Charges 2% more for the Sum of 5000 he gets 200 more

II. If he deposits half yearly for some years, he gets 500 more.

1. A
2. B
3. C
4. D
5. E

Q44. Directions: A question is given followed by 2 options I&II

Choose options A-E according to the following key

A- I alone is sufficient (to answer the question) & II alone is insufficient

B- II alone is sufficient & I alone is insufficient

C- Both I & II put together is required to answer the question

D-Both I & II put together is insufficient to answer the question

E- I alone or II alone is sufficient

What is the value of xy?

I. $x^2 + y^2 = 16$

II. $x^2 - y^2 = 8$

1. A
2. B
3. C
4. D
5. E

Q45. Directions: A question is given followed by 2 options I&II

Choose options A-E according to the following key

A- I alone is sufficient (to answer the question) & II alone is insufficient

B- II alone is sufficient & I alone is insufficient

C- Both I & II put together is required to answer the question

D-Both I & II put together is insufficient to answer the question

E- I alone or II alone is sufficient

How many 5 paisa coins does Mahesh have?

I. Mahesh has a collection of 5 paisa coins and 10 paisa coins valued at Rs.3.75

II. He has 6 more 10 paisa coins than 5 paisa coins

1. A
2. B
3. C
4. D
5. E

Q46.Find number of ways of arranging all letters MMMNNNPPQQ such that two N's are side by side?

1.7240

2.7560

3.7300

4.7221

5.6398

Q47. Find the 8 th term in the series?

2,2,12,12,30,30,----

1.48

2.50

3.54

4.56

Q48.Find the appropriate choice that fills the blank (101!) 1/101 _____ 51

1.**>=**

2.**<=**

3.**<**

4.**>**

Q49. Find the next number ?

7,14,55,110,?

1.220

2.121

3.131

4.145

Q50. Find The Next Number In Sequence ?

100 365 24 60 ?

1.30

2.40

3.50

4.60

Q51. find the unit digit of product of the prime number up to 50 .

1. 1
2. 2
3. 0
4. 5

Q52. From a pack of 52 cards, four cards are drawn. Find the chance that they will be the four honours of the same suit?

1. 4/270725
2. 4/270785
3. 4/278725
4. 4/270725

Q53. Given that the sum of three 3-digit numbers abc, bca and cab is the product of just three distinct prime numbers, its maximum value can be equal to

1. 2109
2. 2337
3. 2553
4. none of these

Q54.Golu and Chotu share a herd of x cows. They take the cows to the market and sell each cow for Rs. x. At the end of the day they put the money from the sales on the table to divide it equally. All money is in Rs.10 notes, except for less than ten excess Re.1 notes. One at a time they take out Rs.10 notes. The brother who draws first also draws last. The second brother complains about getting one less Rs.10 note so the first brother offers him all the Rs.1 notes. The second brother still received a total less than the first brother so he asks the first brother to write him a cheque to balance the things

out. How much was the cheque? (They got less than Rs.200 by selling their cows.)

1. Rs.4
2. Rs.6
3. Rs.2
4. None of these

Q55. How many five digit numbers are there such that two left most digits are even and remaining are odd and digit 4 should not be repeated.

1. 2500
2. 2000
3. 1200

Q56. How many odd numbers less than 1000 can be formed
by using the digits 0,3,5,7 when repetition of digits is not allowed?

1. 31
2. 21
3. 11
4. 42

Q57. How many three digit numbers abc are formed where at least two of the three digits are same.

1. 180
2. 252
3. 171
4. 240

Q58. If $(x^2 + 3x - 8)(3x^2 - 7x - 6) <= 0$, solve for x.

1. $-6 <= x <= -2/3$
2. $-2/3 <= x <= 6$
3. $-2/3 <= x <= 3$

4. -2/3<=x<=0

Q59. If $4x^2 - 11x + 2k = 0$ and $x^2 - 3x - k = 0$ have a common root, then (a) what is the value of k? (b) what is the common root?

1. -17/36,17/6
2. 17/6,-1/36
3. 17/36,-1/6
4. -17/6,1/36

Q60. If BOMBAY is written as MYMYMY,how will TAMIL NADU be written in that code?

1. TIATIATIA
2. IATIATIAT
3. MNUMNUMNU
4. ALDALDALD

Q61. If GOOD is coded as 164,BAD is coded as 21,UGLY is coded as 260. Then JUMP = ?

1.220
2.200
3.240
4.280

Q62. In a certain code language, if the word STRUCTURE is coded as TVUYHZBZN, then how is the word REMEDY coded in that language?

1. SGPIJE
2. SGPEJD
3. SGPIHE
4. SGPIIE

Q63.In a certain code, MONKEY is written as XDJMNL.
How is TIGER written in that code ?

1. SDFHS
2. QDFHS
3. SHFDQ
4. UJHFS

Q64.In a cycle race there are 5 persons named as J,K,L,M,N participated for 5 positions so that in how many number of ways can M finishes always before N?

1.30
2.60
3.90
4.120

Q65. In a zoo, there are rabbits and pigeons. If heads are counted, there are 340
heads and if legs are counted there are 1060 legs. How many pigeons are there?

1.120
2.150
3.180
4. 170

Q66. In an election only two candidates contested 20% of the voters did not vote and 120 votes were declared as invalid. The winner got 200 votes more than his opponents thus he secured 41% votes of the total voters on the voter list. Percentage votes of the defeated candidate out of the total votes casted is

1. 47.5%
2. 41%
3. 38%
4. 45%

Q67. In how many ways can 5 prizes be distributed to 8 students if each student can get any number of prizes?

1. 4^2
2. 5^8
3. 8^5
4. none of these

Q68

In how many ways can a cricket team of 11 players be selected out of 16 players, if two particular player are always to be included?

1. 2006
2. 2004
3. 2008
4. none of these

Q69. In how many ways can the 7 letters M, N, O, P, Q, R, S be arranged so that P and Q occupy continuous positions?

1.720
2.1440
3.1400
4.120

Q70. In what proportion water is mixed with spirit to gain 12.5% by selling it at cost price?

1.3:5
2.1:8
3.2:7
4.1:9

Q71. POTATO+ TOMATO = PUMPKIN. If the value of each letters are unique from (0-9). Find the Value of MOP + NOT

1. 655
2. 629
3. 456
4. 654
5. 926

Q72. Read the below passage carefully and answer the questions:

Five roommates Randy, Sally, Terry, Uma, and Vernon each do one housekeeping task

mopping, sweeping, laundry, vacuuming, or dusting one day a week, Monday through Friday.

* Vernon does not vacuum and does not do his task on Tuesday.
* Sally does the dusting, and does not do it on Monday or Friday.
* The mopping is done on Thursday.
* Terry does his task, which is not vacuuming, on Wednesday.
* The laundry is done on Friday, and not by Uma.
* Randy does his task on Monday.

What task does Terry do on Wednesday?

1. vacuuming
2. dusting
3. mopping
4. sweeping
5. laundry

Q73. Read the below passage carefully and answer the questions:

Five roommates Randy, Sally, Terry, Uma, and Vernon each do one housekeeping task mopping, sweeping, laundry, vacuuming, or dusting one day a week, Monday through Friday.

* Vernon does not vacuum and does not do his task on Tuesday.

* Sally does the dusting, and does not do it on Monday or Friday.
* The mopping is done on Thursday.
* Terry does his task, which is not vacuuming, on Wednesday.
* The laundry is done on Friday, and not by Uma.
* Randy does his task on Monday.

What day does Uma do her task

1. Monday
2. Tuesday
3. Wednesday
4. Thursday
5. Friday

Q74. Read the below passage carefully and answer the questions:

Five roommates Randy, Sally, Terry, Uma, and Vernon each do one housekeeping task mopping, sweeping, laundry, vacuuming, or dusting one day a week, Monday through Friday.

* Vernon does not vacuum and does not do his task on Tuesday.
* Sally does the dusting, and does not do it on Monday or Friday.
* The mopping is done on Thursday.
* Terry does his task, which is not vacuuming, on Wednesday.
* The laundry is done on Friday, and not by Uma.
* Randy does his task on Monday.

What task does Vernon do?

1. vacuuming
2. dusting
3. mopping
4. sweeping
5. laundry

Q75. Read the below passage carefully and answer the questions:

Five roommates Randy, Sally, Terry, Uma, and Vernon each do one housekeeping task mopping, sweeping, laundry, vacuuming, or dusting one day a week, Monday through Friday.

* Vernon does not vacuum and does not do his task on Tuesday.
* Sally does the dusting, and does not do it on Monday or Friday.
* The mopping is done on Thursday.
* Terry does his task, which is not vacuuming, on Wednesday.
* The laundry is done on Friday, and not by Uma.
* Randy does his task on Monday.

What day is the vacuuming done?

1. Friday
2. Monday
3. Tuesday
4. Wednesday
5. Thursday

Q76.Read the below passage carefully and answer the questions:

Five roommates Randy, Sally, Terry, Uma, and Vernon each do one housekeeping task mopping, sweeping, laundry, vacuuming, or dusting one day a week, Monday through Friday.

* Vernon does not vacuum and does not do his task on Tuesday.
* Sally does the dusting, and does not do it on Monday or Friday.
* The mopping is done on Thursday.
* Terry does his task, which is not vacuuming, on Wednesday.
* The laundry is done on Friday, and not by Uma.
* Randy does his task on Monday.

When does Sally do the dusting?

1. Friday
2. Monday
3. Tuesday
4. Wednesday
5. Thursday

Q77.Sanjay purchased a hotel worth Rs. 10 lakh and barkha purchased a car worthRs. 16 lakh. The value of hotel every year increases by 20% of the previous value and the value of car every year depreciates by 25%. What is the difference between the price of hotel and car after 3 years?

1. Rs. 925000
2. Rs. 10,53,000
3. Remains constant
4. Can't be determined

Q78. saturn+uranus=planets. Then find the value of s.

1.1
2.3
3.4
4.5

Q79. Selection into IIMs (Indian Institutes of Management) is quite simple. In our coaching institute some students qualified CAT (The first stage of entranc into IIMs) but coincidentally the no. of boys who qualified the CAT was equal to the no. of girls. Besides these boys and girls got the calls from only IIM Ahamedabad and IIM Bangalore, but each of these from both the IIMs.
60% of the boys failed in the group discussion (the second phase of the selection process) and thus equal no of boys (but distinct) appeared for the personnel interview of IIM-A and IIM-B (interview is the third and final stage of

selection of a candidate) but 20% of he boys who appeared for the interview of IIM-A and 60% of the boys who appeared for the interview of IIM-B failed. If it is possible that a candidate can receive the calls from more than one IIMs but he/she can face the interview of only one IIM. Given that only 24 boys from our coaching institute were selected by the IIM-A and IIM-B also a candidate can appear for the next stage only if he/she qualifies the previous stage of the exam, then find the no. of girls who qualified the CAT (Common admission Test).

1. 100
2. 250
3. 300

Q80. Six Friends A,B,C,D,E and F are sitting along the sides of the hexagonal table for playing .

'F 'who is sitting exactly opposite of A,is to the immediate right of B.

D is between A and B and is exactly opposite of C.

A is sitting between which of the following pair of persons?

1. D and E
2. B and E
3. B and C
4. C and E

Q81. Solve the following question based on the information provide

i. Students A, B, C, D, E, and F participated in a self-evolution test of Quant‟s and Data (D.I)

ii. Total marks of A in quant‟s was just above C and in D.I just above F was just

above C in D.I but he scored less than D in Quant‟s

iii.B Got more marks than D and E in D.I but did not perform as well in Quant‟s
as in D.I compared to D and E
iv. One is in between C and D in Quant‟s and C and A in D.I
Got the highest mark in D.I ?

1. A
2. B
3. C
4. Data Inadequate

Q82. Solve the following question based on the information provide
i. Students A, B, C, D, E, and F participated in a self-evolution test of Quant‟s and Data (D.I)
ii. Total marls of A in quant‟s was just above C and in D.I just above F was just
above C in D.I but he scored less than D in Quant‟s
iii. B Got more marks than D and E in D.I but did not perform as well in Quant‟s
as in D.I compared to D and E
iv. One is in between C and D in Quant‟s and C and A in D.I
Which of the following students has scored the least in quants?

1. Only D
2. Only E
3. Only B or E
4. none

Q83. Study the information given below to answer these questions.
Six friends-Alok, Bheem, Chandar, Devadas, Earl and Ferguson are sitting on a bench facing in the same direction.

Chandar is sitting between Alok and Earl; Devadas is not at any of the ends. Bheem is sitting to the immediate right of Earl. Ferguson is not at the right end.

Who is to the immediate right of Ferguson?

1. Devdas
2. Alok
3. Either Devdas or Alok
4. Cannot be determined

Q84.Study the information given below to answer these questions.

Six friends-Alok, Bheem, Chandar, Devadas, Earl and Ferguson are sitting on a bench facing in the same direction.

Chandar is sitting between Alok and Earl; Devadas is not at any of the ends. Bheem is sitting to the immediate right of Earl. Ferguson is not at the right end.

Who is fourth from the left end,?

1. Alok
2. Chandar
3. Bheem
4. cannot be determined

Q85.Study the information given below to answer these questions.

Six friends-Alok, Bheem, Chandar, Devadas, Earl and Ferguson are sitting on a bench facing in the same direction.

Chandar is sitting between Alok and Earl; Devadas is not at any of the ends. Bheem is sitting to the immediate right of Earl. Ferguson is not at the right end.

Which of the following is sitting to the sides of Devdas?

1. Ferguson-Earl

2. Ferguson-Bheem
3. Ferguson-Chandar
4. None of these

Q86. Study the information given below to answer these questions.

Six friends-Alok, Bheem, Chandar, Devadas, Earl and Ferguson are sitting on a bench facing in the same direction.

Chandar is sitting between Alok and Earl; Devadas is not at any of the ends.

Bheem is sitting to the immediate right of Earl. Ferguson is not at the right end.

How many persons are there to the left of Chandar?

1. One
2. Two
3. Three
4. Four

Q87. Study the information given below to answer these questions.

Six friends-Alok, Bheem, Chandar, Devadas, Earl and Ferguson are sitting on a bench facing in the same direction.

Chandar is sitting between Alok and Earl; Devadas is not at any of the ends.

Bheem is sitting to the immediate right of Earl. Ferguson is not at the right end.

Who is at the left end?

1. Ferguson
2. Alok
3. Bheem
4. Cannot be determined

Q88. Suppose an automobile number plate contains two letters followed by three digits with the first digit not zero. How many different number plates can be printed? (Assuming repetition allowed).

1. 754320
2. 608400
3. 546754
4. 875640

Q89. The actors of Bollywood plan a trip from Bombay to Goa. They decide to go by bus and arrange two buses Khatara and Sitara having 10 seats each. There are a total of 20 persons. Five refuse to travel by Khatara as they don't like the name of the bus and six refuse to travel by Sitara. The number of ways in which these 20 can be seated in the two buses for the trip is

1. 9C4 × 10! × 10!
2. 10P5 × 15P6 × 9!
3. 10! × 10!
4. None of these

Q90. The actors of Bollywood plan a trip from Bombay to Goa. They decide to go by bus and arrange two busesKhatara and Sitara having 10 seats each. There are a total of 20 persons. Five refuse to travel by Khataraas they don't like the name of the bus and six refuse to travel by Sitara. The number of ways in which these 20 can be seated in the two buses for the trip is

1. 9C4 × 10! × 10!
2. 10P5 × 15P6 × 9!
3. 10! × 10!
4. None of these

Q91.The cost of telephone calls in an industrial town is 30 paise per call for the first 100 calls, 25 paise per call for the next 100 calls, and 20 paise per call for calls exceeding 200. How many calls can one make for Rs.50?

1. 185
2. 180
3. 195
4. none of these

Q92. The distance between the nodes are

AE = 5,

EG=20,

ED=1,

DC=1,

AB=4 ,

AD=7,

BG=10,

DF=5,

CG=9,

AF=13

what is length of shortest route between G and A?

1. 15
2. 25
3. 18
4. 13
5. 17

Q93. The distance between the nodes are

AE = 5,

EG=20,

ED=1,

DC=1,

AB=4 ,

AD=7,

BG=10,

DF=5,

CG=9,

AF=13

what is difference between the longest and shortest routes between A And G?

1. 8
2. 12
3. 6
4. 7
5. NONE

Q94. The distance between the nodes are

AE = 5,

EG=20,

ED=1,

DC=1,

AB=4 ,

AD=7,

BG=10,

DF=5,

CG=9,

AF=13

what is the longest route to reach G from A?

1. AEG

2. ABDG
3. ACFG
4. AEDG

Q95. The distance between the nodes are

AE = 5,

EG=20,

ED=1,

DC=1,

AB=4 ,

AD=7,

BG=10,

DF=5,

CG=9,

AF=13

How many possible routes are available between the A and G?

1. 5
2. 4
3. 3
4. 6
5. 9

Q96.The distance between the nodes are

AE = 5,

EG=20,

ED=1,

DC=1,

AB=4 ,

AD=7,

BG=10,

DF=5,

CG=9,

AF=13

what is the shortest route to reach C from A?

1. AC
2. BAEDC
3. AEGFC
4. ABDC
5. NONE OF THESE

Q97. The following questions based on the statements given below:

(a) There are three houses on each side of the road.

(b) These six houses are labeled as p, q, r, s, t and u.

(c) The houses are of different colors, namely, red colored house.

(d) The houses are of different heights.

(e) T, the tallest house, is exactly opposite to the red colored house.

(f) The shortest house is exactly opposite to the green colored house.

(g) U, the orange colored house, is located between p and s.

(h) R, the yellow colored house, is exactly opposite to p.

(i) q, the green colored house, is exactly opposite to u.

(j) p, the white colored house, is taller than r, but shorter than s and q.

What is the color of the tallest house?

1. Red
2. Blue
3. Green
4. Yellow
5. None

Q98. The following questions based on the statements given below:

(a) There are three houses on each side of the road.

(b) These six houses are labeled as p, q, r, s, t and u.

(c) The houses are of different colors, namely, red colored house.

(d) The houses are of different heights.

(e) T, the tallest house, is exactly opposite to the red colored house.

(f) The shortest house is exactly opposite to the green colored house.

(g) U, the orange colored house, is located between p and s.

(h) R, the yellow colored house, is exactly opposite to p.

(i) q, the green colored house, is exactly opposite to u.

(j) p, the white colored house, is taller than r, but shorter than s and q.

1. What is the color of the house diagonally opposite to the yellow colored house?

1. White
2. Blue
3. Green
4. Red

Q99. The following questions based on the statements given below:

(a) There are three houses on each side of the road.

(b) These six houses are labeled as p, q, r, s, t and u.

(c) The houses are of different colors, namely, red colored house.

(d) The houses are of different heights.

(e) T, the tallest house, is exactly opposite to the red colored house.

(f) The shortest house is exactly opposite to the green colored house.

(g) U, the orange colored house, is located between p and s.

(h) R, the yellow colored house, is exactly opposite to p.

(i) q, the green colored house, is exactly opposite to u.

(j) p, the white colored house, is taller than r, but shorter than s and q.

What is the color of the house opposite to the tallest house?

1. White
2. Blue
3. Green
4. Red

Q100. The number of non negative integral solutions of the equation a + b + c + d =20 will be

1. 1208
2. 4024
3. 1140
4. 17741

Q101. The number of ways in which 9 identical balls are place in three identical boxes?

1. 12
2. 6
3. 9
4. 9!/3!

Q102. The probability of Ronaldo shooting a goal is 3/4.He takes 5 shots on the goal.What is the probability that he shoots a goal atleast 3 times?

1. 291/364
2. 371/464
3. 471/502
4. 459/512

Q103. The probability that the birthdays of 4 different persons will fall in exactly two calendar months is:

1. 77/1728

2. 17/87
3. 11/144
4. none of these

Q104. The sum of first ten terms of an A.P is 155 and the sum of first two terms of a G.P is 9. The first term of the A.P is equal to the common ratio of G.P and the first term of the G.P is equal to common difference of the A.P which can be the A.P as per the given conditions?

1. 2,4,6,8,10
2. 25/2, 79/6, 83/6
3. 2,5,8,11..
4. Both (b) and (c)

Q105. There are 16 people, they divide into four equal groups, now from those four groups select a team of three members,such that no two members in the team should belong to same group.

1. 64
2. 256
3. 16
4. 12

Q106.There are 6 white,6 blue and 6 red balls. What is the probability to select 5 balls at least 1 from each colour.

1. 0.75
2. 0.72
3. 0.45
4. 0.53
5. none

Q107. There are five different boxes and seven different balls all seven balls are to be distributed in five boxes placed in the row so that any boxes receive

any number of balls.In how many ways can these balls be distributed into these boxes if ball 2 can be put into either box 2 or box 4?

1. 12360
2. 31250
3. 13490
4. 31526

Q108. Three persons walking around a circular track complete their respective single revolutions in 15(1/6) seconds, 16(1/4) seconds and 18(2/3) seconds respectively. They will be again together at the common starting point after 1 hour and:

1. 10seconds
2. 20seconds
3. 30seconds
4. 40seconds

Q109. Three reporters Jack,Kerry and Lanny are supposed to visit france from spain for covering an international conference.The duration of the conference is 8 days.

Each day only one reporter will cover the event

Each reporter will be at the conference for atleast 2 consecutive days out of the 8 day event Jack does not cover the event for the sixth day Kerry attends on the third day.

If Kerry only covers the event for 2 days,which one of the following must be true?

1. Jack attends on the first day
2. Jack attends on the eigth day
3. Lanny attends on the fourth day
4. Kerry attends on the Seventh day

5. Lanny attends on the sixth day

Q110. Three reporters Jack,Kerry and Lanny are supposed to visit france from spain for covering an international conference

The duration of the conference is 8 days

Each day only one reporter will cover the event

Each reporter wil be at the conference for atleast 2 consecutive days out of the 8 day event

Jack does not cover the event for the sixth day.

Kerry attends on the third day.

If Kerry covers the conference on fifth day ,which one of the following cannot be true?

1. Lanny attends on the second day
2. Jack attends on the seventh day
3. Lanny attends on the eighth day
4. Jack attends on the first day
5. Kerry attends on the seventh day

Q111. Three reporters Jack,Kerry and Lanny are supposed to visit france from spain for covering an international conference

The duration of the conference is 8 days.

Each day only one reporter will cover the event.

Each reporter wil be at the conference for atleast 2 consecutive days out of the 8 day event.

Jack does not cover the event for the sixth day

Kerry attends on the third day

If jack doesnot cover the event on the first ,second,third and fourth day, which one of the following must be true?

1. Lanny will attend on the Second day

2. Kerry will attend on the sixth day
3. Jack will attend on the Seventh day
4. Jack will attend on the fifth day
5. Lanny will attend on the fourth day

Q112. Three reporters Jack,Kerry and Lanny are supposed to visit france from spain for covering an international conference

The duration of the conference is 8 days.

Each day only one reporter will cover the event

Each reporter will be at the conference for at least 2 consecutive days out of the 8 day event.

Jack does not cover the event for the sixth day

Kerry attends on the third day

If Kerry covers the conference on the first ,second and eighth day ,how many different schedules are possible?

1. 1
2. 2
3. 3
4. 4
5. 5

Q113. Three reporters Jack,Kerry and Lanny are supposed to visit france from spain for covering an international conference

The duration of the conference is 8 days

Each day only one reporter will cover the event.

Each reporter will be at the conference for at least 2 consecutive days out of the 8 day event

Jack does not cover the event for the sixth day.

Kerry attends on the third day

What the maximum number of days any reporter can cover the conference?

1. 2
2. 3
3. 4
4. 5
5. 6

Q114. What is the probability that four S‟s come consecutively in the word MISSISSIPPI?

1. 4/165
2. 4/135
3. 24/165
4. none of these

Q115. What is the sum of all 4 digit numbers formed using the digits 2,3,4 and 5 without repetition?

1. 93324
2. 92314
3. 93024
4. 91242
5. None

Q116. Which of the following equations has a pair of roots which are reciprocal to each other?

1. $2x^3 +11x^2 + 10x + 6 = 0$
2. $2x^3 +11x^2 + 10x + 6 = 0$
3. $2x^3 +12x^2 + 18x + 6 = 0$
4. $2x^3 + 11x^2 + 17x + 6 = 0$

Q117.12 persons can complete the work in 18 days. after working for 6 days, 4 more persons added to complete the work fast. in how many more days they will complete the work?

1. 9
2. 8
3. 7
4. 10

Q118.13_46_8_180_210_75 = 64 . Use + and ? in the empty places to make the equation holds good. Take m = number of + and n = number of ? . Find m ? n?

1. 1
2. 0
3. -1
4. 2

Q119. 161?85?65?89 = 100, then use + or - in place of ? and take + as m,- as n then find value of m-n.

1. 1
2. -2
3. 3
4. -1

Q120.5 cars are to be parked in 5 parking slots. there are 3 red cars, 1 blue car and 1 green car. In how many ways the car can be parked?

1. 10
2. 25
3. 20
4. 30

Q121.7 people have to be selected from 12 men and 3 women, Such that no two women can come together. In how many ways we can select them?

1. 2772
2. 2654
3. 2975
4. 2764

Q122. A card board of size 34 x 14 has to be attached to a wooden box and a total of 35 pins are to be used on the each side of the card box. find the total number of pins used.

1. 130
2. 135
3. 136
4. 139

Q123. A completes a work in 2 days, B in 4 days, C in 9 and D in 18 days. They form group of two such that difference is maximum between them to complete the work. What is difference in the number of days they complete that work?

1. 14 days
2. 14/3 days
3. 15 days
4. 16 days

Q124. A dog takes 4 leaps for every 5 leaps of hare but 3 leaps of dog is equal to 4 leaps of hare compare speed?

1. 13: 15
2. 15:17
3. 16:15
4. None of these

Q125. A group of 4 members are selected from a group of 3 trainees. 3 of them are engineers and 5 of them are managers. What is the probability that exactly 3 are managers to get selected?

1. 5/7
2. 4/7
3. 3/7
4. 6/7

Q126. A Jar contains 18 balls. 3 blue balls are removed from the jar and not replaced. Now the probability of getting a blue ball is 1/5 then how many blue balls jarcontains initially ?

1. 6
2. 9
3. 8
4. 7

Q127. A rice with price 126 per kg and a rice with 135 per kg is mixed with another rice in the ratio 1:1:2. If the mixed rice is rs.153 per kg. What is the price of third variety of rice.

1. 130.50
2. 175.50
3. 153.00
4. 165.50

Q128. A set of football matches is to be organized in a "round-robin" fashion, i.e., every participating team plays a match against every other team once and only once. If 21 matches are totally played, how many teams participated?

1. 6
2. 9

3. 8
4. 7

Q129. A train covered a distance at a uniform speed .if the train had been 6 km/hr faster it would have been 4 hour less than schedule time and if the train were slower by 6 km/hr it would have been 6 hours more. Find the distance.

1. 720 km
2. 700 km
3. 600 km
4. 590 km

Q130. A train goes from stations A to B. One day there is a technical problem at the very beginning of the journey & hence the train travels at 3/5 of it's original speed and so it arrives 2 hours late. Had the problem occurred after 50 miles had been covered, the train would have arrived 40 min earlier(i.e., only 120-40 = 80 min late). What is the distance between the 2 stations?

1. 150 miles
2. 160 miles
3. 170 miles
4. 180 miles

Q131. A train leaves Meerut at 5 a.m. and reaches Delhi at 9 a.m. Another train leaves Delhi at 7 a.m. and reaches Meerut at 10.30 a.m. At what time do the two trains travel in order to cross each other?

1. 7:56 am
2. 7:50 am
3. 7:30 am
4. 7:36 am

Q132. A, B and C start running around the circle from the same point, in the same direction and at the same time. The total distance is 1200 m. The speed is 3 kmph, 9 kmph, 27kmph. How long does it take for them to meet for the first time?

1. 1440s
2. 180s
3. 720s
4. 240s

Q133. A, B and C start running around the circle from the same point, in the same direction and at the same time. The total distance is 1200 m. The speed is 9 kmph, 27 kmph, 15 kmph. How long does it take for them to meet for the first time?

1. 360s
2. 1440s
3. 720s
4. 240s

Q134. A, B and C start running around the circle from the same point, in the same direction and at the same time. The total distance is 1200 m. The speed is 9 kmph, 27 kmph, 45 kmph. How long does it take for them to meet for the first time?

1. 360s
2. 480s
3. 150s
4. 240s

Q135. a, b, b, c, c, c, d, d, d, d, ... Find the 288th letter of this series.

1. a
2. b

3. c
4. d

Q136. Albert and Fernandes have two leg swimming race. Both start from opposite ends of the pool. On the first leg, the boys pass each other at 18 m from the deep end of the pool. During the second leg they pass at 10 m from the shallow end of the pool. Both go at constant speed but one of them is faster. Each boy rests for 4 seconds at the end of the first leg. What is the length of the pool?

1. 34 m
2. 24 m
3. 35 m
4. 44 m

Q137. An escalator is descending at constant speed. A walks down and takes 50 steps to reach the bottom. B runs down and takes 90 steps in the same time as A takes 10 steps. How many steps are visible when the escalator is not operating?

1. 200
2. 300
3. 100
4. 400

Q138. Census population of a district in 1981 was 4.54 Lakhs, while in year 2001 it was 7.44 Lakhs. What was the estimated mid-year population of that district in year 2009.

1. 8.6 lakhs
2. 7.5 lakhs
3. 6 lakhs
4. 5 lakhs

Q139. Due to some defect in our elevator, I was climbing down the staircase. I?d climbed down just 7 steps when I saw a man on the ground floor. Continuing to walk down, I greeted the man and I was surprised to see that when I was yet to get down 4 steps to reach the ground floor, the man had already finished climbing the staircase. He perhaps climbed up 2 steps for every 1 of mine. How many steps did the staircase have?

1. 11
2. 22
3. 33
4. 44

Q140. Find the maximum value of n such that 50! is perfectly divisible by 2520^n .

1. 6
2. 7
3. 8
4. 9

Q141. Find the no of ways in which 6 toffees can be distributed over 5 different people namely A, B, C, D, E.

1. 54
2. 55
3. 57
4. 56

Q142. Find the radius of the circle inscribed in a triangle ABC. Triangle ABC is a rightangled isosceles triangle with the hypotenuse as √62

1. 4 cm
2. 2.5 cm
3. 2 cm

4. 3 cm

Q143. Find the unit digit of product of the prime number up to 50 .

1. 0
2. 2
3. 4
4. 8

Q144. How many 4 digit numbers contain number 2.

1. 3170
2. 3172
3. 3174
4. 3168

Q145. How many boys are there in the class if the number of boys in the class is 8 more than the number of girls in the class, which is five times the difference between the number of girls and boys in the class.

1. 30
2. 42
3. 40
4. 45

Q146. How many five digit numbers are there such that two left most digits are even and remaining are odd and digit 4 should not be repeated.

1. 2567
2. 2375
3. 2875
4. 3765

Q147. How many five digit numbers are there such that two left most digits are even and remaining are odd.

1. 2375

2. 2300
3. 2475
4. 2378

Q148. How many kgs of wheat costing Rs.24/- per kg must be mixed with 30 kgs of wheat costing Rs.18.40/- per kg so that 15% profit can be obtained by selling the mixture at Rs.23/- per kg?

1. 10
2. 11
3. 12
4. 13

Q149. How many numbers are divisible by 4 between 1 to 100?

1. 23
2. 24
3. 25
4. 26

Q150. How many numbers are divisible by 4 between 1 to 100.

1. 24
2. 25
3. 26
4. 27