PBA1. Ram is five years elder to his youngest sibling Shreya. Shreya is two years younger than her brother Ritesh.

Ritesh is 13years old and is Ram's brother. How old will Ram be in two years from now?

{

~16

~17

~20

~15

CORRECT ANSWER: 18

}

PBA2. Ravi is 5 years elder than Sunil. Sunil is 2 years younger than Reeta.

If Sunil's age is 11, then What will be the age of Ravi 2 years from now?

{

~4

~8

CORRECT ANSWER: 18

~64

}

PBA3. Parul is one-fifth the age her mother was 15 years ago and Parul's brother is three-fifth the age his mother was 10 years ago.

If the sum of Parul and her brother's ages is 31, then how old is Parul's mother? (in years)

{

CORRECT ANSWER: 50

~40

~35

~60

}

ALG1. Micro sims Pvt. ltd. produces 1200 phones everyday.

If out of these, 2 1/3 faulty and 4 1/3 are defective in packaging.

Then how many non faulty and non defective packaged phones are produced everyday?

{

~80

~120

~1080

CORRECT ANSWER: 1120

}

ALG2. Simplify: ( 144-3 / 2)-1 / 6

{

CORRECT ANSWER: 2v3

~6

~3v2

~4

}

ALG3. In the poultry farm, 50 hens gives 200 eggs for 2 days. In how many days will 20 hens give 400 eggs?

{

~15

CORRECT ANSWER: 10

~5

~0

}

ALG4. Malini solved the following question in

her Mathematics Examination (6/4 + 5 1/6 of 3/7) / (5+ 2 1/3) and her answer was 38/77.

By how much was her answer wrong?

{

~1

CORRECT ANSWER: 1/77

~2

~2/77

~39/77

}

ALG5. 5/11 of the paper produced can be recycled. If 6,42,000 tonnes of paper is produced.

What is the quantity of recycled paper can be made after its use?

{

~3,92,000 tonnes

CORRECT ANSWER: 2,92,000 tonnes

~1,92,000 tonnes

~4,92,000 tonnes

}

ALG6. Find x: (2/7)-8 (7/2)-2= (2/7)2x

{

~3

CORRECT ANSWER: -52

~-6

~2

}

ALG7. SNIPPING TOOL ALG7.

{

CORRECT ANSWER: 219

~218

~237

~None

}

/\*ALG8. Simplify: If y> a, then 13- 20 \* 13y =168 \*13 -22. What is the value of a and y?

{

CORRECT ANSWER: 0, 1

~2, 1

~1, 0

~2, 2

~1, 1

}

ALG9. SNIPPING TOOL ALG 9.

{

~2

~2/7

~7/2

~10

CORRECT ANSWER: -3

}

ALG10. The correct relationship after eliminating x, y and z from x + y =a, y + z =b, z + x =c and x + y + z =m is:

{

~m =x + y + z

CORRECT ANSWER: 2m =a + b + c

~m =x - y -z

~2m =x - y ñz

~None of the above

}

ALG11. What is the sum of the irrational roots of the equation (x-1) (x-3) (x-5) (x-7) =9?

{

~10

CORRECT ANSWER: 8

~6

~4

}

ALG12. SNIPPING TOOL ALG12.

{

~10

CORRECT ANSWER: -5

~-10

~-3

}

ALG13. SNIPPING TOOL ALG13.

{

CORRECT ANSWER: xy ( x ñ y )( x2 + xy + y2 )

~xy ( x + y )( x2 - xy + y4 )

~x ( xy ñ 1 )( x2 ñ xy + y )

~( x3 + y2 ) xy

~None of the above

}

ALG14. A bread making machine can make bread of 50kg dough in 3 mins.

How many such machines are required to make bread of 300kg dough in 6 mins?

{

~6

~3

CORRECT ANSWER: 4

~5

}

ALG15. 3 empty cds and 2 pen drives cost Rs.790. 2 empty Cds and 3 pen drives cost Rs 1110.

What is the cost of one pen drive?

{

~30

CORRECT ANSWER: 350

~25

~300

}

ALG16. Steward assigns 1/8th of his monthly salary for food. Steward's total food bill for month is

Rs. 6500. What is Steward's yearly salary?

{

~Rs.9750

~Rs.12174

~Rs.5,76,000

CORRECT ANSWER: Rs.6,24,000

}

ALG17. A contractor estimates that 3 people can paint Mr.khan's house in 4 days, If he uses 4

people instead of 3 how long will it take to complete the task?

{

~4

~2

CORRECT ANSWER: 3

~5

}

A&M1. How many litres of a 90% solution of concentrated acid needs to be mixed with a 75% solution of

concentrated acid to get a 30L solution of 78% concentrated acid?

{

~24L

~22.5L

CORRECT ANSWER: 6L

~17.5L

}

AVG1. If Mini downloads three more songs in her mobiles, she will have songs with 512MB in her mobile.

If on an average each songs is 4 MB, how many songs did she initially have in her phone before downloading?

{

CORRECT ANSWER: 125

~128

~120

~137

}

AVG2. The average age of the state level cricket team of eleven is 22 years .

The average age gets increased by 1 year when the coach is added. What is the coach's age ?

{

CORRECT ANSWER: 34

~23

~30

~60

}

AVG3. The average of 7 numbers is 50. The average of first 3 is 40, while the average of last 3 is 60.

What must be the remaining number?

{

~65

~55

CORRECT ANSWER: 50

~45

}

AVG4. In a match , awards are given to each of 11 members of the team and a trophy to the team.

In all winning team gets 2.75kg weight awards, if the weight of match winning trophy is 1.275 kg.

What is the weight of the award given to each player?

{

~200 grams

~150grams

~124 grams

CORRECT ANSWER: 134 grams

}

AVG5. Rahul played well this season, his current batting average is 51.

If he scores 78 runs in today's match his batting average will become 54,

how many matches has he played in this season?

{

~8

~10

CORRECT ANSWER: 9

~6

}

AVG6. To clear a competition, Sonu needs an average score of 90 in three exams.

His score in first two exams are 93 and 85.What score must he get in the third exam to clear the competition?

{

~90

~85

CORRECT ANSWER: 95

~92

}

C&C1. There is an element which triplicates in every hour.

Each of these 3 items inturn reproduce exactly 3 other items.

If a single compound is kept in a container at noon and the container is full by midnight.

After how many hours is the container 1/3 full?

{

~11:00am

~10:00pm

CORRECT ANSWER: 11:00pm

~10:00am

}

C&C2. The time showed by an analog clock at a moment is 11 am then 1234567890 hours later it will show the time as:

{

~11am

~11pm

CORRECT ANSWER: 5am

~4pm

}

DSU1. What will be the cost of fencing a rectangular compound if the wire costs Rs.20 per metre?

1.area =40 m2

2.Length=2\* breadth

{

~only 1

~only 2

~either 1 or 2

CORRECT ANSWER: both 1 & 2

}

G&CG1. If the length is 4 times the breadth and the area of the rectangle is 2500 square units. Find the length

{

~25

~50

~75

CORRECT ANSWER: 100

}

G&CG2. A rectangle's length is 4 times its breadth. It has an area of 2500 square yards.

What is the length of the rectangle?

{

~25 yards

~625 yards

CORRECT ANSWER: 100 yards

~yards

}

G&CG3. Find the value of P when the line through the points (2, 2) and (5, 7)

is perpendicular to the line 3x + Py - 9 =0 .

{

~3/5

CORRECT ANSWER: 5

~5/3

~3

}

G&CG4. Length and breadth of a rectangle are directly proportional.

If length increases from 6 cm to 21 cm and if breadth now is 14 cm,

then what was the breadth before any change in length occurred?

{

CORRECT ANSWER: 4

~15

~2

~6

}

H&L1. The reciprocal of H.C.F and LCM of two number are 1/12 and 1/312 respectively.

If one of the number is 24. Find the other number?

{

~126

~136

~146

CORRECT ANSWER: 156

}

H&L2. The product of two numbers is 9152 and their HCF is 8. Find the LCM.

{

~1111

~1122

CORRECT ANSWER: 1144

~1166

}

H&L3. The LCM and HCF of two numbers are 2970 and 30 respectively.

Prime factors of the product of two numbers are:

{

CORRECT ANSWER: 2, 3, 5, 11

~2, 3, 7, 11

~2, 4, 5, 11

~2, 3, 7, 13

}

H&L4. If the sum of squares of two numbers is 2754, and their HCF is 9, LCM is 135, then the numbers are

{

~27,36

~27,35

~28,45

CORRECT ANSWER: 27,45

}

H&L5. If the LCM and HCF of 2 numbers are 78 and 13 respectively, the product of 2 numbers can be expressed as

{

~2\*3\*13\*11

~2\*3\*13\*12

CORRECT ANSWER: 2\*3\*13\*13

~2\*3\*13\*14

}

H&L6. If LCM and HCF of two numbers are 234 and 13 respectively.

Then the smallest factor of the product of the two numbers is

{

CORRECT ANSWER: 2

~3

~4

~5

}

H&L7. Product of two number is 5502, their LCM is 552. Find the HCF?

{

CORRECT ANSWER: 9

~8

~7

~6

}

H&L8. HCF of two numbers is 11. And their LCM is 693. If one number is 77. Find the other number?

{

~7

~9

~63

~99

}

H&L9. If LCM of two prime numbers a and b (a>b) is 667 then the value of 7b-5a is:

{

~18

CORRECT ANSWER: 16

~17

~12

}

H&L10. The product of two numbers is 22806 , the LCM is 552 and find the HCF?

{

~42

CORRECT ANSWER: 41.315

~89

~20

}

H&L11. Find the least number which when divided by 5,7,13 leaves same remainder 3 in each case?

{

~398

~453

CORRECT ANSWER: 458

~463

}

H&L12. Find the least number which when divided by 5,8 and 19 leaves remainders 2,5 and 16 respectively?

{

~747

CORRECT ANSWER: 757

~760

~767

~763

}

H&L13. What is the difference between the LCM and HCF of numbers 20, 30 and 40?

{

~100

CORRECT ANSWER: 110

~120

~130

}

H&L14. The square of one number is 25.If the HCF and LCM of two numbers are 5 and 35

respectively,Find the other number

{

CORRECT ANSWER: 5

~7

~25

~35

}

H&L15. The smallest number which when divided by 7,18,56 and 36 leaves a reminder zero?

{

CORRECT ANSWER: 504

~392

~390

~1012

}

H&L16. 266 litres each, is of capacity, The largest measuring cylinder that can accurately fill

3tanks of capacity 98,182 and

{

~2 litres

~7 litres

CORRECT ANSWER: 14 litres

~98 litres

}

H&L17. What is the least amount that a person can have, such that when he distributes it

into groups of Rs 16 or Rs.18 or Rs.20 or Rs.25, he is always left with Rs.4 ?

{

~Rs.1796

~Rs.1804

~Rs.2596

CORRECT ANSWER: Rs.3604

}

H&L18. Find the smallest number which when divided by 3, 5 and 7 leaves a remainder 2 in

each case, and is divisible by 11

{

CORRECT ANSWER: 737

~735

~105

~107

}

H&L19. If the sum of two numbers is 55 and the H.C.F. and L.C.M of these numbers are 5 and 120 respectively,

then the sum of the reciprocals of the numbers is equal to:

{

~55/601

~601/55

CORRECT ANSWER: 11/120

~120/11

}

H&L20. The product of two numbers is 2028 and their H.C.F. is 13. The number of such pairs is:

{

~1

CORRECT ANSWER: 2

~3

~4

}

H&L21. What will be obtained if 8 is subtracted from the HCF of 168, 189, and 231?

{

~15

~10

~21

CORRECT ANSWER: None of these

~5:

}

H&L22. Three different containers contain 496 litres,

403 litres and 713 litres of mixtures of milk and water respectively.

What biggest measure can measure all the different quantities exactly ?

{

~1 litre

~7 litre

CORRECT ANSWER: 31 litre

~41 litre

}

H&L23. Six bells commence tolling together and toll at intervals of 2, 4, 6, 8, 10 and 12 seconds respectively.

In 30 minutes, how many times do they toll together ?

{

~1: 4

~2: 10

~3: 15

CORRECT ANSWER: 4: 16

}

H&L24. Four different electronic devices make a beep after every 30 minutes,

1 hour, 3/2 hour and 1 hour 45 minutes respectively.

All the devices beeped together at 12 noon. They will again beep together at:

{

~12 midnight

~3 a.m.

~6 a.m.

CORRECT ANSWER: 9 a.m.

}

H&L25. The number of prime factors of (3 x 5)12 (2 x 7)10 (10)25 is:

{

~47

~60

~72

CORRECT ANSWER: None of these

}

H&L26. What least value must be assigned to \* so that the number 63576\*2 is divisible by 8?

{

~1

~2

CORRECT ANSWER: 3

~4

}

H&L27. Which of the following numbers is exactly divisible by 24 ?

{

~35718

~63810

~537804

CORRECT ANSWER: 3125736

}

H&L28. The number nearest to 15207, which is divisible by 467, is:

{

~14342

~15211

~14944

CORRECT ANSWER: 15411

~None of these

}

H&L29. The smallest number, which is a perfect square and contains 7936 as a factor is:

{

~251664

~231564

CORRECT ANSWER: 246016

~346016

~None of these

}

H&L30. In a division problem, the divisor is twenty times the quotient and five times the remainder.

If remainder is 16, the number will be:

{

~3360

CORRECT ANSWER: 336

~1616

~20516

}

H&L31. The L.C.M. of two numbers is 4800 and their G.C.M. is 160.

If one of the numbers is 480, then the other number is:

{

CORRECT ANSWER: 1600

~1800

~2200

~2600

~None of these

}

H&L32. The L.C.M. of two numbers is 140. If their ratio is 2:5, then the numbers are:

{

CORRECT ANSWER: 28,70

~28,7

~8,70

~8,40

~None of these

}

H&L33. The greatest number that will divide 63, 138 and 228 so as to leave the same remainder in each case:

{

CORRECT ANSWER: 15

~20

~35

~40

}

H&L34. If a number is exactly divisible by 85, then what will be the remainder

when the same number is divided by 17?

{

~3

~1

~4

CORRECT ANSWER: 0

}

H&L35. The least perfect square number which is exactly divisible by 3, 4, 7, 10 and 12 is:

{

~8100

~17600

CORRECT ANSWER: 44100

~None of these

}

H&L36. M and N are two distinct natural numbers. HCF and LCM of M and N are K and L respectively.

A is also a natural number, which of the following relations is not possible?

{

~K\*LCORRECT ANSWER: A

~K\*ACORRECT ANSWER: L

CORRECT ANSWER: L\*ACORRECT ANSWER: K

~None of these

}

H&L37. The product of two numbers is 16200. If their LCM is 216, find their HCF.

{

CORRECT ANSWER: 75

~70

~80

~Data inconsistent

}

H&L38. Four bells begin to toll together and then each one at the intervals 6,7,8,9 respectively.

The number of times they will be together in the next two hours is

{

CORRECT ANSWER: 14

~15

~13

~11

}

LOG1. If log x (1/343) =-3 then value of x equal to:

{

~3

CORRECT ANSWER: 7

~-3

~-7

}

LOG2. What is the value of antilog10 (100)?

{

~2

CORRECT ANSWER: SNIPPING TOOL LG2

~100

~10

}

LOG3. What's the value of log7 (1/49)

{

~2

~1/2

~0.5

CORRECT ANSWER: -2

}

LOG4. If antilog x (5) =30, what can you infer about x?

{

CORRECT ANSWER: x is a number between 1 and 2

~x is 305

~x is a number between 2 and 3

~None of these

}

LOG5. Find the value of log1 + log2 + log3.

{

~1

~2

~3

CORRECT ANSWER: None of these

}

LOG6. What is the value of log20 1 ?

{

CORRECT ANSWER: 0

~1

~20

~None of these

}

LOG7. Rajeev multiplies a number by 10, the log (to base 10) of this number will change in what way?

{

~Increase by 10

CORRECT ANSWER: Increase by 1

~Multiplied by 10

~None of these

}

LOG8. The value of p in logp25pCORRECT ANSWER: 2 is

{

~23

~24

CORRECT ANSWER: 25

~26

}

LOG9. If log ( p + q )CORRECT ANSWER: 1 then what is the value of log ( p + q) ( p2 ñ q2 )?

{

~2

~1

CORRECT ANSWER: -1

~0

}

LOG10. If log a ( log 3 ( log 2 ( 512 ) ) ) =1then a =,

{

~1

CORRECT ANSWER: 2

~3

~4

}

LOG11. If a =2 and b =1, then what is the value of log ( a + b )( a2 ñ b2 )?

{

CORRECT ANSWER: 1

~-1

~2

~-2

}

LOG12. What is the value of log3 1.5 + log3 6?

{

CORRECT ANSWER: 2

~2.7

~1.8

~None

}

NUM1. Find the unit place: 1+22+33+44+55+66(SNIPPIG TOOL NUM1)

{

~6

~7

~8

CORRECT ANSWER: 9

}

NUM2. Which number should be subtracted from 876905 so that it can be divisible by 8?

{

CORRECT ANSWER: 1

~2

~3

~4

}

NUM3. Arrange 2/15, 18/29, 7/18, 10/87 in ascending order:

{

~2/15, 18/29, 7/18, 10/87

~18/29, 7/18, 10/87, 2/15

CORRECT ANSWER: 10/87, 2/15, 7/18, 18/29

~2/15, 18/29, 10/87, 7/18

}

NUM4. If a number is divisible by 63, then it is also divisible by:

{

CORRECT ANSWER: 7

~11

~13

~17

}

NUM5. -3.4 is a number on the real number line. if we subtract 1 from this number then the new number will be

{

CORRECT ANSWER: Farther from the origin than -3.4

~Closer to the origin than -3.4

~Equality farther from the origin as -3.4 is

~None of the above

}

NUM6. 54 + 636 + 45 + 32 + 52 =?. Find unit digit

{

CORRECT ANSWER: 0

~1

~2

~3

}

NUM7. The number 456\*85 is completely divisible by 3. Smallest whole digit number in place of \* can be ?

{

~0

~1

CORRECT ANSWER: 2

~3

}

NUM8. Which number is multiplied by 43, which have 3 prime factor?

{

~2

~4

CORRECT ANSWER: 6

~8

}

NUM9. Find the odd one : 396, 462, 572, 427, 671, 264

{

~396

CORRECT ANSWER: 427

~671

~264

}

NUM10. A number when divided by the sum of 625 and 515 gives a quotient that is 5 times

the difference between 625 and 515 and remainder as zero. What is the number?

{

~632500

CORRECT ANSWER: 27000

~617500

~642000

}

NUM11. What is the smallest number that should be divided by 10500 to make it a perfect cube?

{

~4

CORRECT ANSWER: 84

~12

~21

}

NUM12. If an integer ëK' is divisible by 2, 5 and 13

.What is the next largest number that is divisible by all the 3 given numbers?

{

~2K

~K + 13

~2K + 13

~2K + 65

CORRECT ANSWER: K + 130

}

NUM13. For the smallest number that should be multiplied with 54000 to make it a perfect cube?

{

CORRECT ANSWER: 4

~27

~5

~3

}

NUM14. What is the smallest square number, which is divisible by 2,4,5,6 and 9?

{

~200

~90

~180

CORRECT ANSWER: 900

}

NUM15. What is the least number which should be added to 1330 to make it a perfect square?

{

~56

~1

~40

~30

CORRECT ANSWER: 39

}

NUM16. Square of two more than a two digit number is multiplied and divided by 2 and 5 respectively.

If twice the result is equal to 500 then find the number?

{

~45

CORRECT ANSWER: 23

~87

~47

}

NUM17. Find the sum of the first 50 common terms of 12, 16, 20,.... and 18, 24, 30,....

{

~15900

CORRECT ANSWER: 12700

~19990

~18400

}

NUM18. The number 673 and 865 is divisible by which of the following leaving a remainder 1?

{

~1

~2

~3

~4

CORRECT ANSWER: 2,3,4

}

NUM19. Find the missing number in 25, 38, \_, 64, -27, 90

{

CORRECT ANSWER: -1

~51

~39

~-32

}

NUM20. 4522 is not divisible by

{

~7

~17

~19

CORRECT ANSWER: 21

}

NUM21. Which of the following numbers is not divisible by 11?

{

~40,12,503

~53,33,064

CORRECT ANSWER: 54,32,105

~64,31,040

}

NUM22. A number is to be multiplied by the fraction 4/5. But Samir, by mistake,

multiplied it by 5/4 and obtained the number 81 more than the correct one.

What was the original number?

{

~200

~120

CORRECT ANSWER: 180

~240

}

NUM23. What is the number that should be subtracted from 682 to make it a perfect square?

{

~2

~4

CORRECT ANSWER: 6

~8

}

NUM24. What is the least number by which 16,800 must be divided to get a number perfect square

{

~21

CORRECT ANSWER: 42

~24

~40

}

NUM25. A number was divided by 8,7,6,5, successively and gave the remainder 1,2,3,4. The number is:

{

~3208

CORRECT ANSWER: 3209

~3210

~3334

}

NUM26. A number becomes a perfect square when we subtract 1 from it.

Which of the following cannot be the last digit of that number.

{

~2

CORRECT ANSWER: 4

~5

~0

}

NUM27. 4.28 and -3.28 are two numbers on a real number line.

if one is added to both the numbers, then which of the following is true?

{

~Distance between the two new numbers is 2 units more than the distance between

4.28 and -3.28

~Distance between the two new numbers is 2 units less than the distance between

4.28 and -3.28

CORRECT ANSWER: Distance between the two new numbers is 2 units equal to the distance between

4.28 and -3.28

~None

}

NUM28. 528/7 change into mixed fraction

{

~78 3/7

~76 4/7

CORRECT ANSWER: 75 3/7

~34 5/7

}

NUM29. 1+22+33+44+55+66 CORRECT ANSWER: ?. Find unit digit

{

CORRECT ANSWER: 9

~4

~1

~5

~0

}

NUM30. Which is greater 22/7,138/43?

{

~22/7

CORRECT ANSWER: 138/43

~both are equal

~cannot be determined

}

NUM31. What should be the highest value that must be assigned to #

so that the number 10114#5 is exactly divisible by 7?

{

~5

CORRECT ANSWER: 6

~7

~8

~9

}

NUM32. Martha was supposed to multiply the number of cans sold with the price of one can to ascertain

the amount earned by her . Instead of taking 41 as the number of cans ,she wrote 14 by mistake .

As a result, the product went down by 135. What is the other multipler?

{

CORRECT ANSWER: 5

~9

~7

~12

}

NUM33. The product of a number and its multiplicate inverse is

{

~-1

~0

CORRECT ANSWER: 1

~None

}

NUM34. Find the remainder when (888............repeat 63 times ) is divisible by 9

{

~4

~8

CORRECT ANSWER: 0

~1

}

NUM35. A three digit number 4a3 is added to another three digit number 984 which result in four digit number 13b7.

This four digit number is divisible by 11. What is the value of a + b?

{

~8

~9

CORRECT ANSWER: 10

~11

}

NUM36. What is the least number that should be subtracted from 3592 to obtain a number exactly divisible by 19?

{

~0

CORRECT ANSWER: 1

~2

~3

}

NUM37. If the difference of two numbers is 8 and the difference of their squares is 160 ,

then the numbers are

{

~18, 10

~8,16

CORRECT ANSWER: 6,14

~None of these

}

NUM38. Find the next number: 8, 8, 15, 23, 38,

{

CORRECT ANSWER: 61

~57

~52

~69

}

NUM39. What are the values for x & y in 72x23y for it to be perfectly divisible by 88?

{

~xCORRECT ANSWER: 1 & yCORRECT ANSWER: 5

~xCORRECT ANSWER: 7 & yCORRECT ANSWER: 5

~xCORRECT ANSWER: 3 & yCORRECT ANSWER: 2

CORRECT ANSWER: xCORRECT ANSWER: 7 & yCORRECT ANSWER: 2

}

NUM40. When 235 is divided by 5, the remainder is

{

~2

CORRECT ANSWER: 3

~4

~0

}

NUM41. Which of the following fraction is smallest?

{

~63/80

CORRECT ANSWER: 31/40

~13/16

~7/8

}

NUM42. 1,2,3,4 number is a

{

~prime number

~composite number

CORRECT ANSWER: positive number

~both a and b

}

NUM43. What are the largest 4-digit and the smallest 3-digit numbers divisible by 6, 15, 21 and 24?

{

~9235,420

~9980,840

CORRECT ANSWER: 9240,840

~9999,999

}

NUM44. If a number is 4 times a number A and three times a number B equals to sum of number B and 7 times of the number A,

Then what is the value of A:B?

{

~2:3

CORRECT ANSWER: 3:2

~4:3

~3:4

}

NUM45. The number 2594\* is completely divisible by 6. The smallest value of \* can be:

{

~0

~2

CORRECT ANSWER: 4

~6

}

NUM46. Write 0.555. as a fraction

{

~1/5

CORRECT ANSWER: 5/9

~1/3

~4/5

}

NUM47. If 764xy is divisible by 90 , then what is the value of x + y

{

CORRECT ANSWER: 1

~3

~5

~6

}

NUM48. What is the remainder when we divide 1251 by 1031?

{

~4

~1

~2

CORRECT ANSWER: 0

}

NUM49. What is the least perfect square. Which is divisible by 24, 30 and 60?

{

~1600

CORRECT ANSWER: 3600

~14400

~32400

}

NUM50. X and Y are 2 numbers which when divided by 6 leaves a remainder of 4 and 5 respectively.

What will be the remainder when Y+X is divided by 6?

{

~6

~9

~1

CORRECT ANSWER: None of these

}

NUM51. Write (625)10 as a number, in the number system with base 8.

{

~9161

CORRECT ANSWER: 1161

~19161

~1061

}

NUM52. A pie has to be divided amongst few kids.

Punith gets 2/7 th portion of the pie and shella gets 5/8th portion of the pie.

Who amongst the two gets lesser share?

{

CORRECT ANSWER: Punith

~Shella

~Both gets equal share

~Cannot be determined

}

NUM53. A car engine is half filled and holds 15 litres of petrol.

What fraction of the engine is full if it contains 18 litres of petrol?

{

~1/4

~2/3

~2/5

CORRECT ANSWER: 3/5

}

NUM54. Sameer plants 7225 plants so that there are many rows as there are trees in a row .

How many trees are there in a row?

{

~65

~75

CORRECT ANSWER: 85

~95

}

NUM55. ( xn + yn ) is divisible by ( x ñ y )(It is x to the power of n and yto the power of n)

{

CORRECT ANSWER: For all values of n

~Only for even values of n

~Only for odd values of n

~For no values of n

}

NUM56. A trend was observed in the growth of population in saya island.

The population tripled every month. Initially the population of saya islands was 100.

What would its population after 4 months?

{

(SNIPPING TOOL NUM 56-Correct option2)

}

NUM57. 22+42+52+62 CORRECT ANSWER:

{

~49

~64

~36

CORRECT ANSWER: 81

}

NUM58. Find the Decimal number: (10101)2

{

~19

~20

CORRECT ANSWER: 21

~22

~23

}

NUM59. 5-2\*10-4/2-5\*5-6

{

~1

CORRECT ANSWER: 2

~3

~5

}

NUM60. The packaging unit of a factory has two panels. Each of the panels contains 4 rows of items stored.

Each row has 4 kinds of items that are to be packed.

How many items are stored for packaging in the packaging unit?

{

~24

~44

~(44)2

CORRECT ANSWER: 25

}

NUM61. If Anita scores 66 out of hundred then how much does she score out of 75?

{

CORRECT ANSWER: 50

~60

~66

~45

}

NUM62. 40 hens give 200 eggs in 2 days. 20 hens will give 400 eggs in how many days?

{

~30days

~10 days

CORRECT ANSWER: 8 days

~20 days

}

NUM63. The value of (1/512)1/9 is:

{

CORRECT ANSWER: 1/2

~1/3

~1/4

~1/6

}

NUM64. What is the value of [52\*258/6252 ]/7

{

~5

~25

~625

CORRECT ANSWER: 0.3

}

NUM65. Swaroop draws a certain amount of money from ATM machine.

Number of rs.500 notes are double the number of Rs.100 notes.

Which of the following can be possible amount drawn

{

~5000

CORRECT ANSWER: 8800

~10000

~9500

}

NUM66. I read 3/5 of a book on one day and 4/5 of the remainder on another day.

If now there were 27 pages unread, the book (approx) contains

{

~240

CORRECT ANSWER: 340

~230

~140

}

NUM67. During a quality control conference if 30 employees are seated in column, then 50 column could be formed.

However, if 25 employees are seated in a column then how many such columns could be formed?

{

~105

~100

~75

CORRECT ANSWER: 60

}

NUM68. Namita has 4.2 kg of flour. She has been asked to make 5 cup cakes out of every 1/2 kg of flour

How many cup cakes can she bake out of the flour she has?

{

~21

~24

~30

CORRECT ANSWER: 42

}

NUM69. Pulse rate of a teenager is 12 beats in 10 sec. At this rate would his pulse rate more than,

equal to or less than 100 beats per minute?

{

CORRECT ANSWER: less than

~greater than

~equal to

~not sufficient

}

NUM70. Suparna needs to browse through 75 pages of a novel before she gives her review to the class .

She has 2.5 hours before the lecture .

What should be her reading speed in pages /hour?

{

~16

CORRECT ANSWER: 30

~20

~22

}

NUM71. (4-1 ? 6-1)2

{

~122

CORRECT ANSWER: 12-2

~(2)12

~None of the above

}

NUM72. Rajesh commutes daily by traveling 4/5 of distance between his home and office by metro train,

3/20 by auto and remaining 1 km on foot. What is distance between his home and office?

{

~12 km

~16 km

~24km

CORRECT ANSWER: 20km

}

NUM73. the value of (8-25-8-26)is

{

~7 \* 8-25

~7 \* 8-26

~8 \* 8-25

CORRECT ANSWER: None

}

NUM74. 4 men can repair a road in 7 hours. How many men are required to repair the road in 2 hours

{

~7

CORRECT ANSWER: 14

~17

~10

}

NUM75. What is value of i34 ?

{

CORRECT ANSWER: -1

~1

~0

~i

}

NUM76. Evaluate: (4.563 + 5.443)/(4.562 - 4.56 \* 5.44 + 5.442)

{

~0.88

CORRECT ANSWER: -0.88

~1

~10

}

NUM77. Rahul purchased 7 DVDs each of which costs Rs.17.

He gave a five hundred rupee note to the shopkeeper. The amount returned to him is divisible by:

{

CORRECT ANSWER: 3

~7

~9

~11

}

NUM78. What is the value of 251.5?

{

~325

~12.5

~32.5

CORRECT ANSWER: 125

}

NUM79. 0.00001 + 0.000001 + 0.00010 + 0.00100 CORRECT ANSWER:

{

~0.0001111

~0.00111

CORRECT ANSWER: 0.001111

~0.0010111

}

NUM80. Microscope of power 1000 X can make things appear 1000 times larger when placed under it.

How large will an object of diameter 3\*10-4 mm appear when placed under it?

{

CORRECT ANSWER: 0.003mm

~3mm

~0.03mm

CORRECT ANSWER: 0.3mm

}

NUM81. What is the value of square of 7 Ω when it is expressed as a mixed fraction?

{

~49 Ω

~49 º

CORRECT ANSWER: 56 º

~14 º

}

NUM82. If abc 4d is divisible by 4, what cannot be the value of d ?

{

~0

~4

~8

CORRECT ANSWER: 2

}

NUM83. If mn =2401, then m/n CORRECT ANSWER:

{

~4/7

CORRECT ANSWER: 7/4

~11/3

~4/11

}

NUM84. Which of the following numbers is the smallest?

{

CORRECT ANSWER: 1/12

~1/6

~1/4

~1/3

}

NUM85. Sara has 400 marbles. If she gives 1/5 th of her marbles to Sam and Sam gives 3/4 th of his marbles to David,

then how many marbles does Sam have left?

{

~80

CORRECT ANSWER: 20

~60

~200

}

NUM86. Which of the following must be added to 3651 so that it can be divisible by 21?

{

~1

~2

CORRECT ANSWER: 3

~4

}

NUM87. Simplify [ { (1/8)-1}-4]-1

{

~4906

CORRECT ANSWER: 4096

~4960

~4690

}

NUM88. The number 98181\*6 is completely divisible by 9.Smallest whole digit number in place of \* can be?

{

~0

~1

~2

CORRECT ANSWER: 3

}

NUM89. (SNIPPING TOOL89)

{

SNIPPING TOOL NUM89-CORRECT OPTION IS D

}

NUM90. Solve : v(9-v(3+v(5-v(3+v169))))

{

CORRECT ANSWER: v7

~1

~0

~v5

~v2

}

NUM91. Find the value of x if 82x / 8-5 =87

{

CORRECT ANSWER: 1

~0

~-1

~None of the above

}

NUM92. Among the following options which one does not lie in the given range: 1/6 < x <17/12

{

~2/7

~1/2

~4/3

~13/11

CORRECT ANSWER: 20/13

}

NUM93. Product of two odd numbers is:

{

CORRECT ANSWER: Always odd

~Always even

~Sometimes odd & sometimes even

~Divisible by 6

}

NUM94. A number when divided by 5 leaves a reminder 2,

when the square of the number is divided by 5 the remainder will be:

{

CORRECT ANSWER: 4

~2

~1

~3

}

NUM95. What number should be divided by (.81)1/2 to give the result as 81?

{

CORRECT ANSWER: 9

~81

~72.9

~9

}

NUM96. The ascending order of rational numbers -7/10,-5/8,-2/3 is:

{

CORRECT ANSWER: -7/10,-2/3,-5/8

~-7/10,-5/8,-2/3

~-5/8,-7/10,-2/3

~-2/3,-5/8,-7/10

}

NUM97. What is Z in - 0.196 / Z2CORRECT ANSWER: 10

{

CORRECT ANSWER: 0.14

~1.4

~0.014

~14

}

NUM98. Number ë1' is a

{

~Prime number

~Composite number

CORRECT ANSWER: Positive integer

~Both a & c

}

NUM99. 4/5 x 61/80 x 10/9

{

CORRECT ANSWER: 61/90

~90/61

~60/91

None of the above

}

NUM100. What should be multiplied by 2880 to make it a perfect square?

{

~2

~3

CORRECT ANSWER: 5

~7

}

NUMB101. What is the least number which should be added to 0.0282 to make it a perfect square?

{

CORRECT ANSWER: 0007

~0042

~0002

~0003

}

NUM102. A juice container was 4/5 full. Ravinder poured 4 glasses from it and then poured two glasses back. The container now is 3/4 full. How many glasses can be filled if the entire container is emptied?

{

~32

~36

~44

CORRECT ANSWER: 40

}

NUM103. About 4 out of 5 people are right handed, if there are 40 employees in an office

how many would be right handed?

{

~40

~30

CORRECT ANSWER: 2

~42

}

NUM104. Sumithra put five grams of seeds in a bird feeder on Sunday.On Wednesday half of the seeds were eaten,so she put 3 more grams.

On Friday she found half were eaten.How many grams were eaten in that week?

{

~3g

~2.5g

~2.75g

CORRECT ANSWER: 5.25g

}

NUM105. Express the fraction 26/17 up to three decimal points

{

~1.429

~1.535

~1.321

CORRECT ANSWER: 1.529

}

NUM106. What is the remainder if 825 is divided by 7?

{

~25

~8

CORRECT ANSWER: 1

~0

}

NUM107. Which of the following is true for the value of 0.999Ö.?

{

~It is equal to 1

CORRECT ANSWER: It is less than 1

~It is equal to 0.9

~None of the above

}

NUM108. Which of the following numbers is divisible by 11?

{

~1042

CORRECT ANSWER: 1045

~1047

~1048

}

NUM109. The population of a town three years ago was ëb' and the population of the town three years from now will be ëc'.

What is the current population of the town, if it grows at the same rate?

{

CORRECT ANSWER: v(bc)

~bvc

cvb

~bv(b/c)

~v(b/c)

}

NUM110. The sum of the digits of a three digit number is subtracted from the number.

The resulting number is divisible by

{

~6

CORRECT ANSWER: 9

~Both

~All 3, 6 and 9

}

NUM111. On dividing a number by 999,the quotient is 366 and the remainder is 103.The number is:

{

~364724

~365387

CORRECT ANSWER: 365737

~366757

}

NUM112. The difference between two numbers is 1365.

When the larger number is divided by the smaller one ,

the quotient is 6 and the remainder is 15.The smaller number is:

{

~240

CORRECT ANSWER: 270

~295

~360

}

NUM113. Find a 2-digit smallest number which when divided by 1 , 2 and 3 leaves no remainder.

{

~14

~10

~16

CORRECT ANSWER: 12

}

NUM114. An investment earns 4 paisa per rupee invested.

If at the end of the year, the interest earned by an investment is Rs. 100.

Then the investment is equal to:

{

~Rs. 2,000

~Rs. 2,200

~Rs. 1,000

CORRECT ANSWER: Rs. 2,500

~Rs. 4,000

}

NUM115. Coins of 1, 2 and 5 rupees are tossed.

What is the probability of getting head on the 1 rupee,

tail on the 2 rupee and a head on the 5 rupee coins?

{

~1/2

~1/4

CORRECT ANSWER: 1/8

~1/16

}

NUM116. Which of the following numbers is the smallest number?

{

CORRECT ANSWER: 1/12

~1/6

~1/4

~1/3

}

NUM117. What is the value of (5-2 X 10-4 )/ (2-5 X 5-6)

{

~0

CORRECT ANSWER: 2

~5

~10

}

NUM118. The rate at which two employees of a company ñ Anu and karan convert cold calls to sales is 60 call/day.

Anu converts 40 calls more than Karan in a day. How many calls do the two employees convert individually?

{

CORRECT ANSWER: Anu: 40 calls/day

Karan: 20 calls/day

~Anu: 55 calls/day

Karan: 5 calls/day

~Anu: 50 calls/day

Karan: 10 calls/day

~ Anu: 35 calls/day

Karan: 25 calls/day

}

NUM119. 47, 322 bulbs are to be packed in several boxes.

Each box should contain equal numbers of bulbs and no bulb should be left unpacked. Number of boxes used can be:

{

~12

CORRECT ANSWER: 11

~8

~14

}

NUM120. Which o the following numbers is the smallest number?

{

CORRECT ANSWER: 1/12

~1/6

~1/4

~1/3

}

NUM121. If x is a positive number and y =x2, then which of the following is true?

{

~y is always more than x

~x is always more than y

~x is always equal to y

CORRECT ANSWER: None of these

}

NUM122. Rajiv has a number x in his mind. He finds out that the square of x is less than x.

What is the range of x?

{

~x is more than 0

~x is less than 1

CORRECT ANSWER: x is more than 0, but less than 1

CORRECT ANSWER: This is not possible

}

NUM123. What is the value of: x1.5 \* x2 ?

{

~ x3

CORRECT ANSWER: X3.5

~x0.75

~None of these

}

NUM124. What is the value of: (33\*812\*20)/95 ?

{

~0

CORRECT ANSWER: 3

~1/3

~None of these

}

NUM125. What number should be divided by (0.81)1/2 to give the result as 81?

{

~1:9

~81

CORRECT ANSWER: 72.9

~0.9

}

NUM126. If 6(x-3) =36(x-5), then what is the value of x?

{

~2

~No value will agree

~-1

CORRECT ANSWER: 7

}

NUM127. Which is the largest among 21/2, 51/3 and 41/4 ?

{

~(2)1/2

CORRECT ANSWER: 51/3

~41/4

~None of these

}

NUM128. What is the value of 10009/1004?

{

~1005

~105

CORRECT ANSWER: 1019

~None of these

}

NUM129. A rectangular courtyard 3.78 meters long and 5.25 meters wide is to be paved exactly with square tiles ,

all of the same size. What is the largest size of the tile which could be used for the purpose?

{

~14 cm

CORRECT ANSWER: 21 cm

~42 cm

~None of these

}

NUM130. The largest four digit number which is a multiple of 8, 10,12 and 15 is:

{

~120

~9600

~9840

CORRECT ANSWER: 9960

}

NUM131. If logx (0.1) =-1/3, then the value of x is:

{

~10

~100

CORRECT ANSWER: 1000

~1/1000

}

NUM132. If ax =by, then:

{

~log(a/b) =x/y

~log(a) / log(b) =x/y

CORRECT ANSWER: log(a) / log(b) =y/x

~None of these

}

NUM136. In a miniature wonderland, three countries Austria,

America and Germany are on display. If Austria and America occupied 3/7 and 4/9 of the display area respectively,

what is the display area occupied by Germany?

{

~3/21

~5/63

CORRECT ANSWER: 8/63

~1/21

}

NUM137. What is the value of the expression? 423 \* 520 \* 6ñ2 \* 32 \* 5ñ5 \* 2ñ46 \* 5ñ10 \* 110 \* 5ñ5?

{

~510/4

CORRECT ANSWER: 1/4

~4

~510

}

NUM138. (8m4n5)/(2m3n2) CORRECT ANSWER:

{

CORRECT ANSWER: 4mn3

~4m3n

~3mn4

~3m4n

}

NUM139. Which of the following numbers is divisible by 6?

{

~4322

~3142

CORRECT ANSWER: 2256

~1640

}

NUM140. Find the greatest 5 digit number that is exactly divisible by 3, 4, 5 and 7.

{

~99940

CORRECT ANSWER: 99960

~99970

~99990

}

NUM141. A dividend of Rs.504 lakhs for shares was announced by a company.

100 employees cum share holders get Rs.3.60 lakhs each and the share holder

who is not the employee gets Rs.2.40 lakhs each.

How many shareholders are there who are not employees?

{

~80

CORRECT ANSWER: 60

~70

~50

}

NUM141. If log8 x + log8 (1/6) =1/3 then the value of x is:

{

CORRECT ANSWER: 12

~16

~18

~24

}

NUM142. If log x + log y =log (x + y), then:

{

~x =y

~xyCORRECT ANSWER: 1

~y =(x-1)/x

CORRECT ANSWER: y =x/(x-1)

}

NUM143. If log10 7 =a, then log10(1/70) is equal to:

{

CORRECT ANSWER: -(1 + a)

~(1 + a)-1

~a/10

~1/10a

}

NUM144. I read 3/8 of a book on one day, and 4/5 of the remainder on another day.

If now there were 30 pages unread, the book contains:

{

CORRECT ANSWER: 240 pages

~230 pages

~340 pages

~140 pages

~None of these

}

NUM145. If log{(a+b)/3} =0.5(log a + log b), then the correct relation between a and b is:

{

CORRECT ANSWER: a2+b2 =7ab

~a2-b2 =7ab

~(a+b)2 =2

~(a+b)/3 =(1/2)(a+b)

~None of these

}

NUM146. If log x =log 3 + 2 log 2- (3/4) log 16. The value of x is:

{

~1/2

~1

CORRECT ANSWER: 3/2

~2

~None of these

}

NUM147. Find a whole number such that when one of its digit is erased,

the resulting number is equal to one-ninth of the original number. The resulting number is also a multiple of 9.

{

~90

~83438

CORRECT ANSWER: 10125

~70847

}

NUM148. If log x CORRECT ANSWER: (1/2) log y =(1/5) log z, the value of x4y3z-2 is:

{

~0

CORRECT ANSWER: 1

~2

~3

~None of these

}

NUM149. If log10000 x =-1/4, then x is given by:

{

1/100

CORRECT ANSWER: 1/10

~1/20

~None of these

}

NUM150. The value of 3-1/2 log3(9) is:

{

~3

CORRECT ANSWER: 1/3

~2/3

~none of these

}

NUM151. loge xy - loge |x| equals to:

{

~loge x

~loge |x|

~-loge x

CORRECT ANSWER: none of these

}

NUM152. The value of (loga n) / (logab n) is given by:

{

CORRECT ANSWER: 1 + loga b

~1 + logb a

~loga b

~logb a

}

NUM153. If (a4 - 2a2b2 + b4)x-1 =(a-b)2x (a+b)-2, then x equals to:

{

~(a - b) / (a + b)

~log (a2 - b2)

~log (a + b) / log (a - b)

CORRECT ANSWER: log (a - b) / log (a + b)

}

NUM154. If a, b, and c are in geometric progression then loga n, logb n and logc n are in:

{

~AP

~GP

CORRECT ANSWER: HP

~None of these

}

NUM155. What is the value of antilog10100?

{

~2

CORRECT ANSWER: 10100

~100

~10

}

NUM156. If antilog x 5 =30, what can you infer about x?

{

CORRECT ANSWER: x is a number between 1 and 2

~x is 305

~x is a number between 2 and 3

~None of these

}

NUM157. Every time x is increased by a given constant number, y doubles and z becomes three times.

How will log(y) and log(z) behave as x is increased by the same constant number?

{

CORRECT ANSWER: Both will grow linearly with different slopes

~Both will grow linearly with same slopes

~y will grow linearly, while z will not

~z will grow linearly, while y will not

}

NUM158. x triples every second. How will log2x change every second?

{

~It will double every second

~It will triple every second

CORRECT ANSWER: It increases by a constant amount every second.

~None of these

}

NUM159. f(x) grows exponentially with x, how will f(log(x)) grow?

{

~Exponentially

CORRECT ANSWER: Linearly

~Quadratically

~None of these

}

NUM160. What is the value of log512 8?

{

~3

CORRECT ANSWER: 1/3

~-3

~-1/3

}

NUM161. Given that log64 x =2/6, what is the value of x?

{

~2

CORRECT ANSWER: 4

~6

~8

}

NUM162. Which among the following is greatest: 51/2, 111/3, 1231/6 ?

{

CORRECT ANSWER: 51/2

~111/3

~1231/6

~All are equal

}

NUM163. What are the unit's digits of 369, 6864, 4725 respectively ?

{

~9,6 and 6

~6, 6 and 6

CORRECT ANSWER: 3,6 and 4

~None of these

}

NUM164. A =11 \* 22 \* 33 \* 44 \* 55 \* ÖÖ..1010. How many zeroes will be there at the end of A ?

{

~6

CORRECT ANSWER: 15

~10

~None of these

}

NUM165. If x =3 + 31/2, then what is the value of x2 + 9/x2 ?

{

~15 + 3 \* 31/2

~18 + 3 \* 31/2

~27 + 3 \* 31/2

CORRECT ANSWER: None of these

}

NUM166. If x4 + 1/x4 =47, then find the value of x3 + 1/x3

{

CORRECT ANSWER: 18

~27

~9

~12

}

NUM167. If 7x =85, what is the value of x?

{

CORRECT ANSWER: log785

~log857

~log107

~log1085

}

NUM168. If log102 =0.3010, what is the number of digits in 264

{

~19

CORRECT ANSWER: 20

~18

~None of these

}

NUM169. What is log110?

{

~1

~10

~0

CORRECT ANSWER: Tends to infinity

}

NUM170. What is log100 ?

{

~0

~10

~1

CORRECT ANSWER: Not defined

}

NUM171. What is the value of log3 (-9)?

{

~3

~1/3

~-3

CORRECT ANSWER: Not defined

}

NUM172. The logarithm of a very small positive number will tend to which of the following?

{

~0

CORRECT ANSWER: negative infinity

~positive infinity

~1

}

NUM173. If n numbers are in geometric progression, the logarithm of the number will be in which of the following?

{

~Geometric Progression

CORRECT ANSWER: Arithmetic Progression

~Harmonic Progression

~None of these

}

NUM174. Solve: 4/5 ◊ 61/80 ◊ 10/9

{

CORRECT ANSWER: 61/90

~60/91

~90/61

~None of the above

}

NUM175. Which of the following is equivalent to log(a + b) ?

{

~log a + log b

~log a \* log b

~log a - log b

CORRECT ANSWER: None of these

}

NUM176. What is the value of log3 (1/9) + log 9 81 ?

{

~2

~-2

CORRECT ANSWER: 0

~4

}

NUM177. What is the value of log3 1.5 + log3 6 ?

{

CORRECT ANSWER: 2

~2.7

~1.8

~None of these

}

NUM178. Which of the following is log8 x equivalent to?

{

~log2 (x/3)

~log2 (3x)

CORRECT ANSWER: (log2x)/ 3

~None of these

}

NUM179. If n numbers are in arithmetic progression, the logarithm of the number will be in

which of the following?

{

~Exponentially

~Linearly

~Quadratically

CORRECT ANSWER: None of these

}

NUM180. What is the value of log20 1 ?

{

CORRECT ANSWER: 0

~1

~20

~None of these

}

NUM181. The unit's digit in the product (771 x 659 x 365) is

{

~1

~2

CORRECT ANSWER: 4

~6

}

NUM182. 1.52 \* 0.02251/2 =?

{

~0.0375

CORRECT ANSWER: 0.3375

~3.275

~32.75

}

NUM183. If x1/2 / 4411/2 =0.02, the value of x is:

{

CORRECT ANSWER: 0.1764

~1.764

~1.64

~2.64

}

NUM184. The value of 21/2 upto three places of decimal is

{

~1.41

~1.412

~1.413

CORRECT ANSWER: 1.414

}

NUM185. The value of (8-25- 8-26) is:

{

~7 x 8-25

CORRECT ANSWER: 7 x 8-26

~8 x 8-26

~None of these

}

NUM186. If 22n-1 =(1 / 8n-3) then the value of n is:

{

~3

CORRECT ANSWER: 2

~0

~-2

}

NUM187. Find the smallest three digit number that divides 229 and 568 leaving remainder 3 in each case.

{

~111

CORRECT ANSWER: 113

~117

~119

}

NUM188. Which of the following is the least number exactly divisible by

15, 25, 30 and 45?

{

~425

CORRECT ANSWER: 450

~475

~490

}

NUM189. If 2x =3y =6-z, then (1/x + 1/y + 1/z)

is equal to:

{

CORRECT ANSWER: 0

~1

~3/2

~-0.5

}

NUM190. What is the remainder when 1723 is divided by 16?

{

~0

CORRECT ANSWER: 1

~2

~3

}

NUM191. What will be the remainder when 1336 is divided by 2196?

{

~0

CORRECT ANSWER: 1

~12

~2195

}

NUM192. The roots of the equation 4x-3\*2x+2+32CORRECT ANSWER: 0 would include-

{

CORRECT ANSWER: 2, 3

~1, 2, 3

~1, 2

~4, 8

}

NUM193. If ax CORRECT ANSWER: b, byCORRECT ANSWER: c and cz CORRECT ANSWER: a, then the value of xyz is:

{

~0

CORRECT ANSWER: 1

~2

~3

}

NUM194. If x =1+21/2 and yCORRECT ANSWER: 1-21/2, then x2+y2 is ñ

{

~2

~3

CORRECT ANSWER: 6

~0

}

NUM195. If 4x+3 =2x+7, then the value of x is:

{

~3

~2

CORRECT ANSWER: 1

~None of these

}

NUM196. 2x+y =2\*(2)1/2 and 2x-y =21/2,the value of x is:

{

CORRECT ANSWER: 1

~2

~3

~4

~None of these

}

NUM197. If x =8, y =27, the value of (x4/3+y2/3)1/2 is:

{

CORRECT ANSWER: 5

~6

~7

~8

~None of these

}

NUM198. If xy =yx and x =2y, the value of y is:

{

~1

CORRECT ANSWER: 2

~3

~4

~None of these

}

NUM199. If 2x \* 3y =18 and 22x \* 3y=36, the value of x is:

{

~0

CORRECT ANSWER: 1

~2

~3

~None of these

}

NUM200. What is the value of 500 ?

{

~0

CORRECT ANSWER: 1

~50

~None of these

}

NUM201. What is the value of 6-2 ?

{

CORRECT ANSWER: 1/36

~36

~-36

~None of these

}

NUM202. What is the value of 0-10 ?

{

~0

CORRECT ANSWER: 1

~-10

~None of these

}

NUM203. What is the value of 251.5 ?

{

~325

~32.5

CORRECT ANSWER: 125

~None of these

}

NUM204. What is the value of (0.027)1/3?

{

CORRECT ANSWER: 0.3

~0.03

~0.003

~None of these

}

NUM205. What is the value of (0.016)1/4?

{

~0.2

~0.02

~0.002

~None of these

}

NUM206. The least perfect square which is divisible by 3, 4, 5, 6, 8 is:

{

~900

~1200

~2500

CORRECT ANSWER: 3600

}

NUM207. Which of the following is greatest among the four given values of x?

{

~X =v15

~X =3v25

~X =4 v125

CORRECT ANSWER: X =12v 625

}

NUM209. What is the correct arrangement of the fractions 3/7, 5/12, 9/20 and 26/61 in descending order of their magnitude?

{

~3/7 > 9/20 > 5/12 > 26/61

CORRECT ANSWER: 5/12 > 3/7 > 9/20 > N26/61

~26/61 > 9/20 > 5/12 > 3/7

~9/20 > 3/7 > 26/61 > 5/12

}

NUM210. What is the value of (-3/7)-4?

{

CORRECT ANSWER: 81/2401

~2401/81

~18/2401

~81/2410

}

NUM211. If 6(x-3) =36(x-5), then what is the value of X?

{

~2

~No value will agree

~-1

CORRECT ANSWER: 7

}

NUM212. Divide the sum of 3/5 and 8/11 by their difference.

{

~7/73

CORRECT ANSWER: 73/7

~11/15

~None of the above

}

NUM213. Which number should be added to 113257 so that it can be divisible by 9?

{

~4

CORRECT ANSWER: 6

~8

`10

}

NUM214. { 0, 1, 2, 3, 4, ÖÖÖÖÖÖ }

{

~Integers

CORRECT ANSWER: Whole numbers

~Natural numbers

~Positive integers

}

NUM215. A school has 963 students appearing for the tenth and twelfth board exams.

Each section in school has the same number of students. The number of sections for tenth and twelfth classes can be?

{

CORRECT ANSWER: 9

~6

~12

~7

}

NUM216. If x =8 and y =27, the value of (x4/3 + y2/3)1/2 is:

{

CORRECT ANSWER: 5

~6

~7

~8

~None of the above

}

NUM217. Find the number to be multiplied by (-6)-1 , so as to get (-8)-1 as the product?

{

CORRECT ANSWER: 3/4

~-(3/4)

~4/3

~-(4/3)

}

NUM218. Pooja has cash reserves of 25,000. She also receives a bonus amount from her company.

She plans to give half of her bonus amount eact along with an additional sum of 20,000 and 5,000

from her cash reserves to her daughters, Priya and Mona, respectively. Priya receives twice the amount received by Mona.

What is the amount of bonus that Pooja receives?

{

~15,000

~10,000

~25,000

~20,000

}

NUM219. What will be the value of the expression a8/3 \* a-6/9?

{

~a-2

~a-1

~a0

~a1

CORRECT ANSWER: a2

}

NUM220. Which of the following is divisible by 3,7 and 11?

{

~1,393

~1,396

~1,380

CORRECT ANSWER: 1,386

}

NUM221. What is the value of [(6! X 4!) + (6! / 5!)]?

{

~17,274

CORRECT ANSWER: 17,286

~17,280

~17,292

}

NUM222. Which is the largest possible two digit number which divides 32472?

{

~44

~66

~88

CORRECT ANSWER: 99

}

NUM223. What least value must be assigned to # , so that the number 279#4423 is divisible by 9?

{

~1

CORRECT ANSWER: 5

~3

~7

}

NUM224. Pulse rate of a teenager is 12 beats in 10 sec. At this rate. Would his pulse tate be more than,

equal to, or less than 100 beats minute?

{

CORRECT ANSWER: Less than

~Greater than

~Equal to

~Data insufficient

}

NUM225. Sudha purchased 3 kg potato from market.

She used 1/3 of in cooking baked potatoes and Ω of remaining in mixed vegetables.

What quantity of potatoes is she left with?

{

~1.5 kg

~2 kg

CORRECT ANSWER: 1 kg

~2.5 kg

}

NUM226. Recycling 900 kg of paper saves 17 trees. How many trees are saved when 1200 kg of papernare recycled?

{

~19

~25

~20

CORRECT ANSWER: 22

}

NUM225. Sudha purchased 3 kg potato from market. She used 1/3 of in cooking baked potatoes and Ω of remaining in mixed vegetables.

What quantity of potatoes is she left with?

{

~1.5 kg

~2 kg

CORRECT ANSWER: 1 kg

~2.5 kg

}

NUM226. Recycling 900 kg of paper saves 17 trees. How many trees are saved when 1200 kg of papernare recycled?

{

~19

~25

~20

CORRECT ANSWER: 22

}

NUM227. If a positive integer n is divided by 5 then the remainder is 3.

Which of the following numbers gives remainder 0, when it is divided by5?

{

~n + 3

~n ñ 2

CORRECT ANSWER: n + 2

~n + 1

}

NUM228. 47, 322 bulbs are to packed in several boxes.

Each box should contain equal numbers of bulbs and no bulb should be left unpacked.

Number of boxes used can be.

{

~12

CORRECT ANSWER: 11

~8

~14

}

NUM229. There are four prime numbers written in ascending order of magnitude.

The product of first three is 385 and that of last three is 1001. Find the first number.

{

CORRECT ANSWER: 5

~7

~11

~17

}

NUM230. Which of the following fractions is less than 7/8 and greater than 1/3 ?

{

~1/4

~23/24

~11/12

CORRECT ANSWER: 11/24

}

NUM231. 892.7 - 573.07 - 95.007 =?

{

CORRECT ANSWER: 224.623

~224.777

~233.523

~414.637

}

NUM232. Which is the closest approximation to the product 0.3333 x 0.25 x 0.499 x 0.125 x 24

{

CORRECT ANSWER: 1/8

~3/4

~3/8

~2/5

}

NUM233. Find the value of X :

0.009/X =0.01

{

~0.0009

~0.09

CORRECT ANSWER: 0.9

~9

}

NUM234. The least among the following is:

{

~0.2

~1/0.2

~0.22222222

CORRECT ANSWER: (0.2)2

}

NUM235. In the following expression, there are two missing digits: \* and #. Find the value of \*.

1\*5#4 / 148 =78

{

CORRECT ANSWER: 1

~4

~6

~8

~None of these

}

NUM236. What is the value of (-5)(4)(2)(-1/2)(3/4) ?

{

~-30

~-15

CORRECT ANSWER: 15

~30

}

NUM237. If x \* y =x2 + y2 - xy, then the value of 9 \* 11 is:

{

~93

CORRECT ANSWER: 103

~113

~121

}

NUM238. If a =0.1039, then the value of (4a2 - 4a + 1)1/2 + 3a is:

{

~0.1039

~0.2078

CORRECT ANSWER: 1.1039

~2.1039

}

NUM239. If a, b, c, d, e are five consecutive odd numbers, their average is:

{

~5 (a + 4)

~(abcde/5)

~5 (a + b + c + d + e)

CORRECT ANSWER: None of these

}

NUM240. (x % of 932) + 30 =309.6

Find x.

{

~25

CORRECT ANSWER: 30

~35

~40

}

NUM241. Which of the following multipliers will cause a number to be increased by 29.7% ?

{

CORRECT ANSWER: 1.297

~12.97

~129.7

~1297

}

NUM242. If 2A =3B and 4B =5C, then A: C is:

{

~4 : 3

~8 : 15

CORRECT ANSWER: 15 : 8

~3 : 4

}

NUM243. 0.4777 . . . is the recurring decimal for the fraction:

{

~4777/100000

~477/100

~437/1000

CORRECT ANSWER: 43/90

}

NUM244. 0.8888 ˜ 0.011 is equal to:

{

~8.08

CORRECT ANSWER: 80.8

~0.808

~None of these

}

NUM245. The ascending order of rational numbers -7/10, 5/-8, 2/-3 is:

{

CORRECT ANSWER: -7/10, 2/-3, 5/-8

~-7/10, 5/-8, 2/-3

~5/-8, -7/10, 2/-3

~2/-3, 5/-8, -7/10

}

NUM246. If A is real and 1 + A + A2 + A3 =40, then A is equal to:

{

~-3

~-1

~1

CORRECT ANSWER: 3

}

NUM247. (1 + 3 + 5 + Ö + 3983) / 1992 =?

{

~1988

CORRECT ANSWER: 1992

~1990

~None of these

}

NUM248. Which one of the following should be added to 25p2 + 16q2,

so that the resulting sum becomes a perfect square?

{

~20pq

~30pq

CORRECT ANSWER: 40pq

~50p2q2

}

NUM249. (1.0816) 1/2=?

{

~0.14

~1.4

~1.004

CORRECT ANSWER: 1.04

}

NUM250. If the digit in the units place of a square natural number is 6,

then the digit in the tens place will be:

{

~1

~3

~Even

CORRECT ANSWER: Odd

}

NUM251. (a+b)3-(a-b)3 can be factorized as:

{

CORRECT ANSWER: 2b(3a2+b2)

~2a(3a2+b2)

~2b(3b2+a2)

~2a(a2+3b2)

}

NUM252. If 9x2+3px+6q when divide by 3x+1 leaves a remainder -3/4 and qx2+4px+7 is exactly divisible by x+1,

then the values of p and q respectively will be:

{

~0, 7/4

CORRECT ANSWER: -7/4, 0

~Same

~7/4, 0

}

NUM253. The equations 2x+3y-7CORRECT ANSWER: 0 and 10x+15y-35CORRECT ANSWER: 0 are:

{

~Consistent and have unique solution

CORRECT ANSWER: Consistent and have infinitely many solutions

~inconsistent

~none of these

}

NUM254. The solution of the simultaneous equations (1/2)x + (1/3)y =2 and x+yCORRECT ANSWER: 1 is:

{

~x =0, y =1

~x =1, y =0

~x=2/3, y =3/2

CORRECT ANSWER: x =10, y =-9

}

NUM255. If the equation x2-2(k+1)x+(9/2)kCORRECT ANSWER: 0 has two identical roots then the values of k are:

{

~kCORRECT ANSWER: 1, 2

CORRECT ANSWER: kCORRECT ANSWER: 2 or 1/2

~kCORRECT ANSWER: 3, 1/2

~none of these

}

NUM256. The number which should be subtracted from 5a2-3ab+7b2 to make it equal to a2+ab+b2, is:

{

CORRECT ANSWER: 4a2-4ab+6b2

~4a2-4ab+5b2

~4a2+4ab+6b2

~4a2-3ab+6b2

~None of these

}

NUM256. If x =(1/2) (2p+2q-r), y =(1/3) (-p-2q+3r) and zCORRECT ANSWER: (1/5) (3p-4r+5q), then the value of 2x-3y-5z is:

{

~0

CORRECT ANSWER: -q

~2

~None of these

}

NUM257. The roots of the quadratic equation 6x2-5x+1CORRECT ANSWER: 0 are:

{

~2,3

CORRECT ANSWER: 1/2,1/3

~3,4

~1/3,1/4

~None of these

}

NUM258. If a =16, bCORRECT ANSWER: 25, the value of 1/(a-1/2 - b-1/2) is:

{

~10

~15

CORRECT ANSWER: 20

~25

~30

}

NUM259. 3a2 (ab+bc+ca) CORRECT ANSWER:

{

CORRECT ANSWER: 3a2+3a2bc+3a3c

~3a3b+3a2bc+3c

CORRECT ANSWER: 3a3b+3a2bc+3a3c

~a3b+abc+a2c

~None of these

}

NUM260. x4y-xy4 CORRECT ANSWER:

{

CORRECT ANSWER: xy(x-y)(x2 + xy + y2)

~xy(x+y)(x2-xy+y4)

~~x(xy-1)(x2-xy+y)

~(x3+y2)xy

~None of these

}

NUM261. Factors of 6a2-25a+4 are:

{

~(a+4) (a-6)

~(a-4) (6a+1)

CORRECT ANSWER: (a-4)(6a-1)

~(a-6) (a-4)

None of these

}

NUM262. The correct relationship after eliminating x, y and z from x+y =a, y+zCORRECT ANSWER: b and z+x =c and x+y+z =m, is:

{

~mCORRECT ANSWER: x+y+z

CORRECT ANSWER: 2mCORRECT ANSWER: a+b+c

~mCORRECT ANSWER: x-y-z

~2mCORRECT ANSWER: x-y-z

~None of these

}

NUM263. If r =at2 and s =2at, the relation among s, r and a is:

{

CORRECT ANSWER: s2CORRECT ANSWER: 4ar

~sCORRECT ANSWER: ar

~sCORRECT ANSWER: 2ar

~s2CORRECT ANSWER: ar

~None of these

}

NUM264. If a+bCORRECT ANSWER: 6, abCORRECT ANSWER: 5, the value of a-b is:

{

CORRECT ANSWER: 4

~5

~6

~7

~9

}

NUM265. |X - 5| + 4 > 0 and |X2| < 4. Then x can be:

{

~4

~2

CORRECT ANSWER: 0.5

~All of these

}

NUM266. If f(x) =sum of all the digits of x, where x is a natural number,

then what is the value of f(101)+f(102)+f(103)+ .. +f(200)?

{

~1000

~784

~999

CORRECT ANSWER: 1001

}

NUM267. Pawan is a very confused person. Once he wrote 1+2+3+4+5+6+7+8+9+10 =100.

In how many places you need to change '+' with ' \* ' to make the equality hold good ?

{

~2

~4

CORRECT ANSWER: 3

~None of these

}

NUM268. What is the highest power of 82 contained in 83!-82! ?

{

CORRECT ANSWER: 3

~2

~164

~None of these

}

NUM269. If x =0.75, then what is the value of the expression (1+x+x2) + x3/(1-x) ?

{

~0.25

CORRECT ANSWER: 4

~1.75

~1

}

NUM270. If a lies between 2 and 3, both included, and b lies between 4 and 6,

both included, then what is the ratio of minimum and maximum limits of a2-b2?

{

~-4

~4

CORRECT ANSWER: 32/7

~-28/6

}

NUM271. If a, b, c are roots of the equation 1x3-4x2+6.5x + 3.5 =0, then what is the value of a2 + b2 + c2?

{

~1

~64

~169

CORRECT ANSWER: 3

}

NUM272. If |x| + |y| =7, then what is the sum of minimum and maximum values of x + y?

{

~3/2

~-7

~7

CORRECT ANSWER: 0

}

NUM273. 832.58-242.31 CORRECT ANSWER: 779.84- ?

{

~179.57

~199.57

~295.05

CORRECT ANSWER: None of these

}

NUM274. Which is the closest approximation to the product 0.3333 \* 0.25 \* 0.499 \* 0.125 \* 24 ?

{

CORRECT ANSWER: 1/8

~3/4

~3/8

~2/5

}

NUM275. The simplification of (0.2 \* 0.2 + 0.02 \* 0.02 - 0.4 \* 0.02) / 0.36

{

~0.009

CORRECT ANSWER: 0.09

~0.9

~9

}

NUM276. If 13 + 23+ 33+ ÖÖÖ.+ 93 =2025 ,then the value of (0.11)3 + (0.22)3 + Ö.+ (0.99)3 is close to

{

~0.2695

~0.3695

CORRECT ANSWER: 2.695

~3.695

}

NUM277. In a purse there are 30 coins, twenty one-rupee and remaining 50-paise coins.

Eleven coins are picked simultaneously at random and are placed in a box.

If a coin is now picked from the box, find the probability of it being a rupee coin?

{

~4/7

~1/2

CORRECT ANSWER: 2/3

~5/6

}

NUM278. (xn+yn) is divisible by (x-y):

{

~for all values of n

~only for even values of n

~only for odd values of n

CORRECT ANSWER: for no values of n

}

NUM279. Find the largest number, smaller than the smallest four-digit number,

which when divided by 4,5,6 and 7 leaves a remainder 2 in each case.

{

~422

CORRECT ANSWER: 842

~12723

~None of these

}

NUM280. What is the highest power of 5 that divides 90 x 80 x 70 x 60 x 50 x 40 x 30 x 20 x 10?

{

CORRECT ANSWER: 10

~12

~14

~None of these

}

NUM281. If a and b are natural numbers and a-b is divisible by 3, then a3-b3 is divisible by:

{

~3 but not by 9

CORRECT ANSWER: 9

~6

~27

}

NUM282. What is the greatest positive power of 5 that divides 30! exactly?

{

~5

~6

CORRECT ANSWER: 7

~4: 8

}

NUM283. In how many ways can a number 6084 be written as a product of two different factors ?

{

~27

~26

CORRECT ANSWER: 13

~14

}

NUM284. What is the smallest four-digit number which when divided by 6,

leaves a remainder of 5 and when divided by 5 leaves a remainder of 3?

{

~1043

~1073

~1103

CORRECT ANSWER: None of these

}

NUM285. P is an integer. P>883. If P-7 is a multiple of 11, then the largest number that will always divide

(P+4) (P+15) is:

{

~11

~121

CORRECT ANSWER: 242

~None of these

}

NUM286. Let C be a positive integer such that C + 7 is divisible by 5.

The smallest positive integer n (>2) such that C + n2 is divisible by 5 is:

{

~4

~5

~3

CORRECT ANSWER: Does not exist

}

NUM287. What is the value of expression : 5 \* (2 + 16)/ 2 - 4 \* (2 + 2) + 1/4 of 16?

{

~26

~13

~34

CORRECT ANSWER: 33

}

NUM288. SNIPPING TOOL NUM PAGE135 09

{

~2

~1

CORRECT ANSWER: -2

~-1

}

NUM289. SNIPPING TOOL NUM PAGE135 10

{

~2/3

~3/2

~4/2

CORRECT ANSWER: 4/3

}

NUM290. find the value of x: 0.009/x =0.01

{

~0.0009

~0.09

CORRECT ANSWER: 0.9

~9

}

NUM291. A person goes to a bank and Quotes x Rs and y paise on a cheque.

The cashier misreads it and gives y Rs and x paise. The man comes out and donates 5 paise to a begger.

Now,the man has exactly double the amount he has quoted on the cheque.

{

~35 Rs and 65 paise

~32 Rs and 63 paise

~30 Rs and 65 paise

CORRECT ANSWER: 31 Rs and 63 paise

}

NUM292. Grass in lawn grows equally thick and in a uniform rate.

It takes 24 days for 70 cows and 60 for 30 cows. How many cows can eat away the same in 96 days?

{

CORRECT ANSWER: 18

~20

~21

~19

}

NUM293. ( a / b )x-1 =( b / a )x-3 then the value of x?

{

~1

CORRECT ANSWER: 2

~1/2

~4

}

PER1. Manu invested 30% of his capital in petrol bonds and rest in life insurance plan.

He has invested Rs.34000 more in life insurance plan than in petrol bonds. How much the total investment made by Manu?

{

~25500

~59500

CORRECT ANSWER: 85000

~9500

}

PER2. The price of rice increases by 30%, then by what % should its consumption be decreased so that the total expenditure remains same.

{

~76.92%

CORRECT ANSWER: 23.07%

~30%

~25%

~85%

}

PER3. A machine worth Rs.1,80,000 depreciates at the rate of 18% of the value of the machine per annum.

The value of the machine in 18 months from now will be:

{

~Rs.2,31,516

CORRECT ANSWER: Rs.1,34,316

~Rs.1,50,000

~Rs.1,00,000

}

PER4. A book store offers a 10% discount on all the books sold plus an additional discount of 5% on the total bill,

if the total bill after the initial discount is more or equal to rs.1000. Dilshan bought 3 books worth rs.450,

rs.520 and rs.250 respectively. How much money was Dilshan able to save as a result of various discounts

offered by the store?

{

~102

CORRECT ANSWER: 176.9

~61

~183

~none of the above

}

PER5. In a town of 2,00,000 citizens ,if the population increases at a rate of 4% per annum, then what will be the

population of the town in 2 years from now?

{

~2,10,000

~3,55,555

~1,84,320

CORRECT ANSWER: 2,16,000

}

PER6. A store has a banner of 25% off on MRP of all branded items.

Sheetal goes into the store and buys a belt worth Rs.75,a shirt of Rs. 1,999 and a shawl of Rs.2,900.

How much amount will she have to pay?

{

~1234.50

CORRECT ANSWER: 3730.50

~1245.65

~1245.89

}

PER7. A salesman has a record of selling even rejected piece to his customer without letting them know that the product is actually fault.

His skills are rated with a probability of 80% efficiency. If he is given 20 faulty items, how many will he able to sell?

{

~80

~20

~16

CORRECT ANSWER: 4

}

PER8. The successive discounts of 6%, 10%, 15% are equal to a single discount of

{

~25%

~28.90%

~30%

~31%

CORRECT ANSWER: 28.09%

}

PER9. When the price of a pair of shoes is decreased by 10%, the number of pairs sold increased by 20%, What is the net effect on sales?

{

~8% decrease

~10% increase

~10% decrease

CORRECT ANSWER: 8% increase

}

PER10. In an election the winning candidate won by 15% votes.If a total of 5000 votes were cast of which only 86% were eligible,

then how many votes did the winning candidate get?

{

~2000

~1800

~4000

~4300

CORRECT ANSWER: 2300

}

PER11. The list price of an electric iron is Rs300,if two successive discounts of 15% and 10% is allowed its selling price will be:

{

CORRECT ANSWER: 229.50

~231.50

~232.50

~234.50

~None of the above

}

PER12. The population of a village decreases at the rate of 20% per annum.If its population 2 years ago was 10000.What is its present population?

{

~6000

~7200

CORRECT ANSWER: 6400

~7600

}

PER13. In a mall 20% area is occupied by eateries,60% area is open.In the remaining area of 1600 sq meter there are different showrooms.

What is the total area occupied by the mall?

{

~10000 Sq m

~5000 Sq m

CORRECT ANSWER: 8000 Sq m

~4800 Sq m

}

PER14. A television manufacturing company has decided to increase the sales inorder to beat the economic slowdown.

It decides to reduce the price of television sets by 25% as a result of which sales increased by 20%.

What is the effect on the total revenue of the company?

{

~Increased by 20%

~Increased by 10%

CORRECT ANSWER: Decreased by 10%

~Decreased by 20%

}

PER15. When 40 is subtracted from 50% of a number, the result is 50% of 500. Find one-tenth of the number.

{

~29

CORRECT ANSWER: 58

~75

~87

}

PER16. Two students ëP' and ëQ' appear for an examination. ëP' scores 40% of the total marks and fails by 30 marks.

However, ëQ' scores 60% of the total marks and scores 20 marks more than the passing marks. What is the passing mark?

{

~70

CORRECT ANSWER: 130

~170

~100

}

PER17. A retailer sells two items at a price of 100 each. He sells one item at a loss of 20% and the other item at a profit of 20%.

Find the net profit/loss percentage of the retailer.

{

CORRECT ANSWER: 0%

~37.5%

~52%

~4%

}

PER18. The price of sugar is increased by 25%. In order not to increase the expenditure a lady must reduce her consumption by:

{

~25%

CORRECT ANSWER: 20%

~30%

~None of these

}

PER19. Population of a village is eight thousand. If 6% men and 10% women are added, population becomes 8,600, then the number of men in the village was:

{

~4800

CORRECT ANSWER: 5000

~5060

~6000

}

PER20. 10% of the voters did not cast their vote in an election between two candidates. 10% of the votes polled were found invalid.

The successful candidate got 54% of the valid votes and won by a majority of 1620 votes. The number of voters enrolled on the vo

{

CORRECT ANSWER: 25000

~33000

~35000

~40000

}

PER21. In a town the population grows at a simple rate of 10% in a decade and compounds from decade to decade.

Find the population at the beginning of the 1970s if the population at the beginning of the 1990s is 3,63,000 people.

{

~30,000

CORRECT ANSWER: 3,00,000

~30,00,000

~3,15,000

}

PER22. A man sells 12 candles for Rs.12 & loses Rs.2.40. If he sells 12 candies for Rs.16, how much does he gain or lose?

{

~Gain Rs.4

~Loses Rs.6

~Gains Rs.6.40

~Loses Rs.1.60

CORRECT ANSWER: Gains Rs.1.60

}

PER23. The printed price on a book is Rs. 400, a bookseller offers a 10% discount on it. If he still earns a profit of 12%, then the cost price of the book is:

{

~Rs. 280

~Rs. 352

~Rs. 360

CORRECT ANSWER: Rs. 300

}

PER23. A man bought a number of clips at 3 for a rupee and an equal number at 2 for a rupee.

At what price per dozen should he sell them to make a profit of 20% ?

{

~Rs 4

~Rs 5

CORRECT ANSWER: Rs 6

~Rs 7

}

PER24. Padam purchased 30 kg of rice at the rate of 17.50 per kg and another 30 kg rice at a certain rate.

He mixed the two and sold the entire quantity at the rate of Rs. 18.60 per kg and made 20% overall profit. At what price per kg did he purchase the lot

{

~Rs.12.50

CORRECT ANSWER: Rs. 13.50

~Rs. 14.50

~Rs. 15.50

~None of these

}

PER25. Atul bought a machine for Rs.4,50,000 and sold it to Irrfan who later sold the machine to Danish at a loss of 10% for Rs.4,95,000.

The profit earned by Atul is

{

~23%

~21%

~25%

CORRECT ANSWER: 22.22%

}

PER26. The manufacturer of a certain item can sell all he can produce at the selling price of Rs. 60 each.

It costs him Rs. 40 in materials and labour to produce each item and he has overhead expenses of Rs. 3000 per week in order to operate the plant. The numb

{

CORRECT ANSWER: 200

~250

~300

~400

}

PER27. A sells a bicycle to B at a profit of 20%. B sells it to C at a profit of 25%. If C pays Rs. 225 for it, the cost price of the bicycle for A is:

{

~110

~120

~125

CORRECT ANSWER: 150

}

PER28. If 5% more is gained by selling an article for Rs. 350 than by selling it for Rs. 340, the cost of the article is:

{

~50

~160

CORRECT ANSWER: 200

~225

}

PER29. A seller buys 10 phone chargers for Rs.800 and sells them at the rate of Rs.100 per charger. His gain percent is

{

~0.25

CORRECT ANSWER: 0.2

~0.3

~107

}

PER30. What is the loss percentage incurred by a company when it buys an asset for Rs.1,50,000 and sells it for Rs.75,500?

{

CORRECT ANSWER: 49.67%

~49.34%

~98.68%

~98.34%

}

PER31. Prabodh bought 30 kg of rice at the rate of Rs. 8.50 per kg and 20 kg of rice at the rate of Rs. 9.00 per kg. He mixed the two. At what price (App.) per kg should he sell the mixture in order to get 20% profit?

{

~9.50

~8.50

CORRECT ANSWER: 10.50

~12.00

}

PER32. An article is sold at a discount of 20% and still there is a gain of 10%. Find the marked price of the article if its cost price is 400.

{

~530

~420

~450

CORRECT ANSWER: 550

}

PER33. A publishing company compares the sales value of their two best-selling books P and Q.

If the sum of the sales value of both the books is ? 30,000 and the sales value of book P is 30% more than that of book Q, what is the sales value of book Q?

{

CORRECT ANSWER: 13,043

~10,506

~23,076

~6,000

}

PER34. An article was sold for Rs. 2770. Had it been sold for Rs. 3000 there would have been an additional gain of 10%. Cost Price of the article is:

{

~2100

~2200

CORRECT ANSWER: 2300

~2400

}

PER35. Rakesh buys a scooter worth Rs. 10,000. He sells it to Mohan at a profit of 10%. If after sometime

Mohan sells it back to Rakesh at a loss of 10%, then totally:

{

~Rakesh loses Rs. 100

~Rakesh loses Rs. 1100

~Rakesh gains Rs. 100

CORRECT ANSWER: Rakesh gains Rs. 1100

~None of these

}

PER36. The list price of an electric iron is Rs. 300. If two successive discounts of 15% and 10% are allowed, its selling price will be:

{

CORRECT ANSWER: Rs. 229.50

~Rs.231.50

~Rs.232.50

~Rs. 234.50

~None of these

}

PER37. In an examination, 70% of students passed in physics, 65% in chemistry, 27% failed in both subjects. The percentage of students who passed is:

{

~66%

CORRECT ANSWER: 62%

~69%

~None of these

}

PER38. If a similar item is sold to two different customers X and Y such that there is a profit of 14% from customer X but a loss of 14% from customer Y,

what will be the total loss/profit percent of the seller?

{

~2.54% profit

CORRECT ANSWER: 1.96% loss

~1.96% profit

~No profit, no loss

}

PER39. The printed price on a book is Rs. 400, a bookseller offers a 10% discount on it. If he still earns a profit of 12%, then the cost price of the book is:

{

~Rs.280

~Rs.352

~Rs.360

CORRECT ANSWER: Rs.321.42

}

PER40. The profit earned by ABC Ltd. In 2015 was 1,80,000. The company decided to retain 20,000 in 2015 and 40,000 in 2016.

What is the percentage increase in the respective amounts left after deducting the retained earnings from the profits?

{

~75%

~60%

~42.86%

CORRECT ANSWER: 33.33%

}

PER41. Shalom offered to sell his ancestral house for Rs. 18,400. If he had charged 10% less, he would have made a profit of 20% . What is the actual cost of the house?

{

~Rs. 15,800

~Rs. 14,500

CORRECT ANSWER: Rs. 13,800

~Rs. 12,500

}

PER42. If the price of an article is reduced by 25%, by what percent should the new price be increased so as to make it equal to the original price?

{

~25%

~38.75%

~20%

CORRECT ANSWER: 33.33%

}

PER43. A person buys a mobile phone for Rs 7,500 and sold it for Rs. 6,000. What is the loss percentage?

{

~0.05

~0.1

~0.15

CORRECT ANSWER: 0.2

}

R&P1. The Ratio between speeds of two trains is 5:3. If the first train runs 350 km in 2 hours, then what is the speed of the second train?

{

~100

~115

CORRECT ANSWER: 105

~210

}

R&P2. 3 persons invested Rs.36000. Raj and Salim has 5:4 ratio and Salim and Rajesh has 8:9 ratio. What is the amount got by Rajesh?

{

~2000

CORRECT ANSWER: 4000

~5000

~8000

}

R&P3. How many toffees were distributed in total among Ankit, Aniket and Anuj in the ratio 2:3:7, if Aniket receives 84 toffees in total?

{

~300

~312

~324

CORRECT ANSWER: 336

~345

}

R&P4. Find the ratio of the distance covered by the car and the cyclist when it is given that

the car moves 1.5 hours at 30 kmph and cyclist moves for 1 hour at 25 kmph

{

~6:5

CORRECT ANSWER: 9:5

~5:2

~5:1

}

R&P5. A bag contains coins of 1 rupee, 2 rupees, 5 rupees in the ratio 4:8:5. The total amount is Rs.90. The number of 5 rupee coins is?

{

~8

~16

~15

CORRECT ANSWER: 10

}

R&P6. A total profit of Rs. 36,000 is to be distributed among Rajesh, Salesh and Rajeev such that Rajesh : Salesh :: 5 : 4 and Satesh : 8 : 9.

What is the share of Rajeev?

{

CORRECT ANSWER: Rs. 12,000

~Rs. 24,000

~Rs. 10,000

~Rs. 20,000

}

R&P7. At a certain party the ratio of gents and ladies was 1 : 2. But when 2 gents and 2 ladies left the party, the ratio became 1 : 3.

How many people were initially present in the party?

{

CORRECT ANSWER: 12

~15

~18

~24

}

R&P8. A, B, C started a business with their investments in the ratio 1:3:5. After 4 months,

A invested the same amount as before and B as well as C withdrew half of their investments. The ratio of their profits at the end of the year is:

{

~4:3:5

CORRECT ANSWER: 5:6:10

~6:5:10

~10:5:6

}

R&P9. 6 interns and 2 managers working together can do five times the work that an intern and a manager can do.

Calculate the ratio of the working capacities of an intern and a manger?

{

CORRECT ANSWER: 3:1

~1:3

~2:3

~3:2

~2:5

}

R&P10. A bag contains 10-paisa, 20-paisa and 25-paisa coins in the ratio 7:4:3. If the total value is Rs. 90, the number of 25-paisa coins in the bag is:

{

CORRECT ANSWER: 120

~160

~280

~300

}

R&P11. Tea worth Rs. 126 per kg and Rs. 135 per kg is mixed with a third variety in the ratio 1:1:2.

If the mixture is worth Rs. 153 per kg, the price of the third variety per kg will be:

{

~Rs. 169.50

~Rs. 170

CORRECT ANSWER: Rs. 175.50

~Rs. 180

}

R&P12. A can contains a mixture of two liquids A and B in the ratio 7:5. When 9 litres of mixture are drawn off and the can is filled with B, the ratio of A and B becomes 7:9. How many litres of liquid A was contained by the can initially ?

{

~10

~20

CORRECT ANSWER: 21

~25

}

S&CI1. Ramakant wants to earn Rs.1500 interest on his deposit. He plans to buy a sack of grains with the interest. He puts Rs.5000 into his account that earns 2.5% interest. How long will he need to leave his money in the account to earn this interest that would help him by the sack of grains?

{

~8 years

~10 years

CORRECT ANSWER: 12 years

~14 years

}

S&CI2. Sangeetha invested Rs.20,000 at 8% per annum . If the interest is compounded half yearly, then total interest earned by Sangeetha at the end of year is:

{

CORRECT ANSWER: Rs.1,632

~Rs.1,600

~Rs.1,800

~Rs.1,475

}

S&CI3. A man deposits Rs. 5000 in his bank account for 5 years to earn an interest of 12%. What amount will he get after 5 years.

{

~2000

~3000

~5300

CORRECT ANSWER: 8000

~8300

}

S&CI4. Given that the interest is only earned on principal, if an investment of Rs. 1000 amounts to Rs.1440 in 2 years, then what is the rate of interest earned?

{

~20

CORRECT ANSWER: 22

~21

~11

~44

}

S&CI5. A certain sum of money amounts to Rs 2500 in a span of 5years and further to Rs 3000 in a span of 7 years at SI. Find the sum?

{

~1000

~1200

~1050

CORRECT ANSWER: 1250

}

S&CI6. The difference in simple interest and compound interest on a principal of Rs. 10,00,000 in 3 years at 4% per annum is ?

{

~4000

~5000

CORRECT ANSWER: 4864

~4500

}

S&CI7. What sum of the money will accumulate Rs. 5300 at 8% interest in 9 months?

{

~5000

~5400

CORRECT ANSWER: 4500

~4000

}

S&CI8. A bank advertises that you can double the money if you invest it with them for 8 years, what is the rate of Interest offered by them?

{

CORRECT ANSWER: 12.50%

~10%

~8.50%

~14%

}

S&CI9. An investment earns 4 paise per rupee invested. If at the end of the year the interest earned by an investment is Rs100, then the investment is equal to:

{

~2000

~2200

~1000

CORRECT ANSWER: 2500

~4000

}

S&CI10. The simple Interest earned on a certain amount is double the money when invested for 15 years. What interest rate is offered?

{

~26.66

~12 %

~30 %

CORRECT ANSWER: 13.33 %

}

S&CI11. A certain sum of money amounts to Rs. 2,500 in a span of 5 years and further to Rs. 3,000 in a span of 7 years at simple interest. The sum is:

{

~Rs. 1,000

~Rs. 1,200

~Rs. 1,050

CORRECT ANSWER: Rs. 1,250

}

S&CI12. In approximately how many years will a certain sum of money triple itself at 22% simple interest?

{

~10 years

~11 years

CORRECT ANSWER: 9 years

~12 years

}

S&CI13. If a sum of money becomes 4 times of itself in 20 years, what is the rate of interest?

{

CORRECT ANSWER: 15%

~8%

~5%

~20%

}

S&CI14. A money lender lent out a sum of 5,000 at simple interest. At the end of 4years, the total amount received by him was 6,000.

Find the rate of interest per annum.

{

~15%

~20%

CORRECT ANSWER: 5%

~30%

}

S&CI15. Consider the following statements : If a sum of money is lent at simple interest, then the

Money gets doubled in 5 years if the rate of interest is 50/3 %. Money gets doubled in 5 years if the rate of interest is 20%.

Money becomes

{

~1 and 3 are correct

CORRECT ANSWER: 2 alone is correct

~3 alone is correct

~2 and 3 are correct

}

S&CI16. The difference between simple interest and compound interest on Rs.1200 for one year at 10% per annum reckoned half-yearly is:

{

~Rs. 2.50

CORRECT ANSWER: Rs. 3

~Rs. 3.75

~Rs. 4

~None of these

}

S&CI17. A sum of money lent at compound interest for 2 years at 20% per annum would fetch Rs. 482 more, if the interest was payable half-yearly than if it was payable annually. The sum is:

{

~Rs. 10,000

CORRECT ANSWER: Rs. 20,000

~Rs. 40,000

~Rs. 50,000

}

S&CI18. The simple interest on Rs. 10 for 4 months at the rate of 3 paise per rupee per month is:

{

CORRECT ANSWER: Rs. 1.20

~Rs. 1.60

~Rs. 2.40

~Rs. 3.60

}

S&CI19. If the compound interest on a sum for 2 years at 25/2 % per annum is Rs. 510,

the simple interest on the same sum at the same rate for the same period of time is:

{

~Rs. 400

~Rs. 450

~Rs. 460

CORRECT ANSWER: Rs. 480

}

S&CI20. Sangeeta invested Rs. 20,000 at 8% per anum. If the interest is compounded half yearly,

then total interest earned by Sangeeta at the end of the year is:

{

CORRECT ANSWER: Rs. 1,632

~Rs. 1,600

~Rs. 1,800

~Rs. 1,475

}

S&CI21. A man invested 10,500 in a scheme and received 19,320 at the end of four years. Calculate the rate of interest at which he invested his money.

{

~33%

~21%

~19%

CORRECT ANSWER: 46%

}

S&CI22. The cash price of a television is Rs. 4022. A customer paid Rs. 1500 in cash and promised to pay the remaining money in 3 monthly equal instalments at the rate of 5% per annum compound interest. What is the value of each instalment?

{

CORRECT ANSWER: Rs. 926.10

~Rs. 903.33

~Rs. 928.30

~Rs. 940.50

}

S&CI23. A certain sum of money at simple interest becomes Rs. 1062 in 2 years and Rs. 1183.50 in 3Ω years. What is rate of interest per annum?

{

~7%

~6%

CORRECT ANSWER: 9%

~5%

}

S&CI24. If the simple interest on a sum at 4% per annum for 2 years is Rs. 80, then the compound interest on the same sum for the same period is:

{

~Rs. 86.80

~Rs. 86.10

~Rs. 88.65

CORRECT ANSWER: Rs. 81.60

}

S&CI25. The rate of compound interest at which a sum of Rs. 8000 amounts to Rs. 8820 in 2 years, is:

{

CORRECT ANSWER: 5%

~4%

~6%

~7%

~None of these

}

TSD1. A car is 250 metres behind the bus. The car and bus are moving with the speed of 60 kmph and 35 kmph respectively.

The car will be ahead of bus by 250 metres in:

{

~37 seconds

~48 seconds

CORRECT ANSWER: 72 seconds

~68 seconds

}

TSD2. An emergency vehicle travels 10 miles at a speed of 50 miles per hour.

How fast must the vehicle travel on the return trip if the round-trip travel time is to be 20 minutes?

{

CORRECT ANSWER: 75 miles per hour

~70 miles per hour

~65 miles per hour

~80 miles per hour

}

TSD3. A scuba diver descends at a rate of 40 feet per minute. The diver dives from a ship to search for a lost ship at the depth of 3000feet below the sea level.

How long will he take to reach the ship?

{

~70

~72

CORRECT ANSWER: 75

~76

}

TSD4. Surekha travels 10 km to reach her office . she walks 0.5 km on foot at a speed of 8 kmph to catch her charted bus which travels of a speed of 40 kmph.

Time taken by her to reach the office is:

{

~15 min

~20 min

CORRECT ANSWER: 18 min

~30 min

}

TSD5. Sakhil travels first half of the distance 50m/s and second half at 75m/s. The total distance

travelled is 3 km. Find his average speed of travels for the entire journey

{

CORRECT ANSWER: 60 m/s

~6.2m/s

~55 m/s

~57m/s

}

TSD6. Sachin travels from Albany to Newyork in 4 hours at a speed of 60kmph. How long will it take if he averages 40kmph during his drive ?

{

~2.8

~3.6

~3

CORRECT ANSWER: 6

}

TSD7. A boat travels 300 metres upstream in 15 mins. Its speed downstream is 8/5 times its speed upstream.

Which of the following options provides the correct relationship between speed of current and speed of the boat?

{

~Speed of the current =12/10 times the speed of the boat

CORRECT ANSWER: Speed of the current =3/13 times the speed of the boat

~Speed of the current =12/10 times the speed of the boat

~Speed of the current =9/13 times the speed of the boat

}

TSD8. Walking 6/7th of his usual speed, a man is 12 minutes too late. The usual time taken by him to cover that distance is:

{

~1 hour

CORRECT ANSWER: 1 hr 12min

~1 hr 15 min

~1 hr 20 min

}

TSD9. I started on my bicycle at 7 a.m. to reach a certain place. After going a certain distance, my bicycle went out of order.

Consequently, I rested for 35 minutes and came back to my house walking all the way. I reached my house at 1 p.m. If my cycling s

{

CORRECT ANSWER: 4.92 km

~13.44 km

~14.375 km

~15.476 km

}

TSD10. A man rows a boat at a speed of 5 km/hr in still water. Find the speed of a river if it takes him 1 hr to row a boat to a place 2.4 km away and return back.

{

CORRECT ANSWER: 1 km/hr

~6 km/hr

~3 km/hr

~4 km/hr

}

TSD11. When a local train travels at a speed of 60 kmph, it reaches the destination on time.

When the same train travels at a speed of 50 kmph, it reaches its destination 15 minutes late. What is the length of the journey?

{

CORRECT ANSWER: 75 km

~50 km

~60 km

~85 km

}

TSD12. A boat covers 40 km upstream and 90 km downstream in 5 hr. It can also cover 60 km upstream and 60 km downstream in 5 hr. The speed of the water current is

{

~4 km/hr

CORRECT ANSWER: 5 km/hr

~20 km/hr

~25 km/hr

}

TSD13. Two champion swimmers start a two-length swimming race at the same time, but from opposite ends of the pool. They swim at constant but different speeds.

They first pass at a point 18.5 m from the deep end. Having completed one length, each swimmer take

{

~90 m

CORRECT ANSWER: 45 m

~26.5m

~Data insufficient

}

TSD14. A and B start together from the same point on a circular track and walk in the same direction till they both again arrive together at the starting point.

A completes one circle in 224 s and B in 364 s. How many times will A have passed B?

{

~4

CORRECT ANSWER: 5

~6

~7

}

TSD15. A man covers a distance of 1200 km in 70 days resting 9 hours a day, if he rests 10 hours a day and walks with speed 1Ω times of the previous

in how many days will he cover 750 km?

{

~30

CORRECT ANSWER: 31.25

~31

~33

}

TSD16. A train leaves Delhi at 6.00 a.m. and reaches Agra at 10.00 a.m. Another train leaves Agra at 8.00 a.m. and reaches Delhi at 11.30 a.m.

At what time do the two trains cross each other if the distance between Delhi and Agra is 200 km?

{

~8.45 a.m.

CORRECT ANSWER: 8.56 a.m.

~9.20 a.m.

~9.56 a.m.

}

TSD17. A boat running upstream takes 8 hours 48 minutes to cover a certain distance, while it takes 4 hours to cover the same distance running downstream.

What is the ratio between the speed of the boat and speed of the water current respectively ?

{

~2 : 1

~3 : 2

CORRECT ANSWER: 8 : 3

~Cannot be determined

}

TSD18. In a 100 m race, A can beat B by 25 m and B can beat C by 4 m. In the same race, A can beat C by:

{

~21 m

~26 m

CORRECT ANSWER: 28 m

~30 m

}

TSD19. A ship is moving at a speed of 30 kmph. To know the depth of the ocean beneath it, it sends a radiowave which travels at a speed 200 m/s.

The ship receives back the signal after it has moved 500 m. What is the depth of the ocean?

{

~4 km

~8 km

CORRECT ANSWER: 6 km

~12 km

}

TSD20. An Aeroplane flies along the sides of an equilateral triangle with the speeds of 300km/hr, 200km/hr and 240 km/hr.

The average speed of the plane while flying along the triangle is?

{

~250 km/hr

~275 km/hr

~200 km/hr

CORRECT ANSWER: 240 km/hr

}

TSD21. Ram and Ravi were playing with a paper phone, frustums of which are attached to each other by a 95m long string.

If both start moving in opposite directions at 18m/min and 20m/min respectively, after how many more mins both have to stop?

{

~2 mins

CORRECT ANSWER: 3 mins

~2.5 mins

~3.5 mins

}

T&W1. 50 hens lay 200 eggs in 2 days and 20 hens lay 400 eggs in how many days?

{

~5

~15

CORRECT ANSWER: 10

~20

}

T&W2. 4 men can do a work in 7 days. How many men required to do it in 4 days?

{

CORRECT ANSWER: 7

~8

~9

~10

~4

}

T&W3. An air container can cool the hall in 40 minutes while another takes 45 minutes to cool under similar conditions.

If both air conditioners are switched on at same instance, then how long will it take to cool the room?

{

CORRECT ANSWER: About 22 minutes

~About 20 minutes

~About 30 minutes

~About 25 minutes

}

T&W4. Jagdish can build a wall in 10 days. Narender can build the same wall in 12 days while Sumit takes 15 days to do the same job.

Which two of them should be employed to finish the job in 6 days?

{

~Jagdish and Narender

CORRECT ANSWER: Jagdish and Sumit

~Sumit and Narender

~None of the above

}

T&W5. Mary and John can do a piece of work in 24 days; John and Vino in 30 days; Vino and Mary in 40 days. If Mary, John and Vino work together they will complete the work in :

{

~10 days

CORRECT ANSWER: 20 days

~17 days

~15 days

}

T&W6. A can do a piece of work in 100 days, B and C together can do the same work in 20 days.

If B can do the work in same time as that of C and A together then how long C alone can do the same work?

{

~100 days

CORRECT ANSWER: 50 days

~25 days

~20 days

}

T&W7. A man can complete a job in 12 days and his wife can complete the same job in 15 days. How long will they take to complete the job if they work together?

{

CORRECT ANSWER: 6 2/3

~6 1/2

~10 1/2

~10 2/3

}

T&W8. Naresh completes a work in 10 days and Suresh does it in 12 days and John does it in 15 days.

If the same job has been completed in 6 days who are the workers who completed the job in 6 days?

{

CORRECT ANSWER: Naresh,John

~John,Suresh

~Naresh,Suresh

}

T&W9. A does 80% of a work in 20 days. He then calls in B and they together finish the remaining work in 3 days. How long B alone would take to do the whole work?

{

~23

~27

CORRECT ANSWER: 71/2

~40

}

T&W10. Ronald and Elan are working on an assignment. Ronald takes 6 hours to type 32 pages on a computer, while Elan takes 5 hours to type 40 pages.

How much time will they take, working together on two different computers to type an assignment of 110 pages?

{

~7hr 30min

~7hr

CORRECT ANSWER: 8hr 15min

~8hr

}

T&W11. Two content Managers can complete developing questions for a module in 18 days .7days after they start working. 10 interns join them .

How many days will they take to complete the remaining work if they are all equally efficient ?

{

snipping tool T&W 11- correct option c

}

T&W12. A group of women can finish a piece of work in 50 days. In how many days will one-third the number of women be able to finish two-third of the work?

{

~150

~75

~60

CORRECT ANSWER: 100

}

T&W13. If 15 oxen or 20 cows can eat the grass of a field in 80 days, then in how many days will 6 oxen and 2 cows eat the same grass?

{

~40

~60

~100

CORRECT ANSWER: 160

}

T&W14. In a family, the father took 1/5 of the cake and he had 4 times as much as others had, then the family members are:

{

~16

CORRECT ANSWER: 17

~18

~None of these

}

T&W15. Mohan walks a certain distance and rides back in 6 hours and 15 minutes. If he walks both ways he takes 7 hours and 45 minutes.

If Mohan rides both ways the time which he will take will be:

{

~4 hours

CORRECT ANSWER: 19/4 hours

~9/2 hours

~17/4 hours

~None of these

}

T&W16. A cistern has three taps in all. Two taps are used for filling the cistern and the third one is used to empty the cistern.

The first two taps fill the cistern in 13 minutes and 11 minutes respectively. When all the three taps are open, the empty cistern is filled in 30 minutes.

How long will the third tap (waste pipe) take to empty the cistern completely?

{

~6.28 minutes

~7.63 minutes

~6.43 minutes

CORRECT ANSWER: 7.43 minutes

}

T&W17. To fill a storage tank of wheat, 20 containers full of wheat are required.

How many containers of wheat will be required to fill the same tank if the capacity is reduced to two-fifth of the present of the containers capacity?

{

~30

~25

CORRECT ANSWER: 50

~60

}

T&W18. There are two pipes, an inlet pipe which completely fills a tank at 6 litre/min and an outlet pipe which empties the tank at 4 litre/min.

The pipes function alternately for 1 minute and the inlet pipe is the first to function. Considering the capacity of the tank as 50 litres,

how much time (in minutes) will it take to completely fill the tank?

{

~45

CORRECT ANSWER: 50

~49

~10

}

T&W19. A water pump takes 6 hrs to fill an overhead tank.Standby pump takes 10 hrs to fill the same overhead tank.

If first pump fails after 2 hrs then how long will the standby pump take to fill the over head tank?

{

~6 hrs

~8 2/3 hrs

~8 hrs

CORRECT ANSWER: 6 2/3 hrs

}

T&W20. A chemical mixture requires two chemicals,A and B in proportion 3:2.The mixture is to be prepared in a tank of capacity 50 litres.

Pipe A can fill the tank with chemical A in 15 mins and pipe B can fill the tank with chemical B in 30 mins.

If both pipes are opened when the tank is empty,then for how long should the pipes A nd B run to obtain the mixture?(in mins)

{

~(9,9)

~(12,12)

CORRECT ANSWER: (9,12)

~(12,9)

}

T&W21. A large rubber cushion can be filled with air by pump A in 10 mins, another pump B can fill it in 12mins,

if both pumps operate how long will it take to fill the cushion?

{

~6 5/11

CORRECT ANSWER: 5 5/11

~4 5/11

~7 5/11

}

T&W22. Pipe A fills in 10 min and pipe B fills in 15 min. If both the pipes are opened for 5 min and A closed. How much long will it take to fill the tank.

{

CORRECT ANSWER: 150S

~300S

~450S

~100S

}

T&W23. A cistern can be filled by two pipes A and B in 10 and 15 hours respectively and then is emptied by the tank in 8 hrs.

If all the pipes are opened together the cistern will be filled in?

{

~21 hrs

~22 hrs

~23 hrs

~24 hours

CORRECT ANSWER: None of these

}

T&W24. Two pipes A & B can separately fill a cistern in 220 minutes and 330 minutes. Together they can fill the cistern in

{

~1 hour 32 minutes

~1 hour

~2 hour 12 minutes

CORRECT ANSWER: 2 hours

~none of the above

}

T&W25. 36 men can complete a piece of work in 18 days. In how many days will 27 men complete the same work ?

{

~12

~18

~22

CORRECT ANSWER: 24

~None of these

}

T&W26. Rahul can finish one fifth of his homework in one hour. Neha can finish three seventh three hours thirty mins.

If all of them start their homework at 12.00 pm, and can go to play 3.30pm for thirty minutes?

{

CORRECT ANSWER: 5.00pm

~5.30pm

~4.40pm

~6.30pm

~3.30pm

}

T&W27. A can finish a job in 12 hours and B in 14 hours. A and B working alternatively, starting with A. If A earns Rs. 50 per hour,

how much does A earn through this job?

{

~Rs. 400

~Rs. 250

~Rs. 300

CORRECT ANSWER: Rs. 350

}

T&W28. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work ?

{

~10

CORRECT ANSWER: 13

~14

~15

}

T&W29. If 7 spiders make 7 webs in 7 days, then 1 spider will make 1 web in how many days?

{

~1

~7/2

CORRECT ANSWER: 7

~49

}

T&W30. Some persons can do a piece of work in 12 days. Two times the number of such persons will do half of that work in:

{

~6 days

~4 days

CORRECT ANSWER: 3 days

~12 days

}

T&W31. Ronald and Elan are working on an assignment. Ronald takes 6 hours to type 32 pages on a computer, while Elan takes 5 hours to type 40 pages.

How much time will they take, working together on two different computers to type an assignment of 110 pages ?

{

~7 hours 30 minutes

~8 hours

CORRECT ANSWER: 8 hours 15 minutes

~8 hours 25 minutes

}

T&W32. A and B can do a work in 12 days, B and C in 15 days, C and A in 20 days. If A, B and C work together, they will complete the work in:

{

~5 days

~47/6 days

CORRECT ANSWER: 10 days

~47/3 days

}

T&W33. Rahul can finish one-fifth of his homework in one hour. Neha can finish three-seventh of her homework in one hour thirty minutes and Riya can finish three fourth of her homework in three hours thirty minutes.

If all of them start their homework at 12.00 p.m. and can go to play as soon as they all finish their homework, when can they start to play,

if they take a break at 3.30 p.m. for thirty minutes?

{

~5.00 p.m.

CORRECT ANSWER: 5.30 p.m.

~4.40 p.m.

~6.30 p.m.

~3.30 p.m.

}

T&W34. A and B can do a job together in 7 days. A is 7/4 times as efficient as B. The same job can be done by A alone in:

{

~28/3 days

CORRECT ANSWER: 11 days

~49/4 days

~49/3 days

}

T&W35. A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 2 days B had to leave and A alone completed the remaining work.

The whole work was completed in:

{

~8 days

~10 days

CORRECT ANSWER: 12 days

~15 days

}

T&W36. A, B and C together can complete a piece of work in 10 days. All the three started working at it together and after 4 days A left.

Then B and C together completed the work in 10 more days. A alone could complete the work in:

{

~15 days

~16 days

CORRECT ANSWER: 25 days

~50 days

}

T&W37. One pipe can fill a tank three times as fast as another pipe. If together the two pipes can fill the tank in 36 minutes,

then the slower pipe alone will be able to fill the tank in:

{

~81 min

~108 min

CORRECT ANSWER: 144 min

~192 min

}

T&W38. A large tanker can be filled by two pipes A and B in 60 minutes and 40 minutes respectively.

How many minutes will it take to fill the tanker from empty state if B is used for half the time and A and B fill it together for the other half ?

{

~15 min

~20 min

~27.5 min

CORRECT ANSWER: 30 min

}

T&W39. Three taps A, B and C can fill a tank in 12, 15 and 20 hours respectively. If A is open all the time and B and C are open for one hour each alternately,

the tank will be full in:

{

~6 hrs.

~20/3 hrs

CORRECT ANSWER: 7 hrs

~15/2 hrs

}

T&W40. Two pipes can fill a tank in 20 and 24 minutes respectively and a waste pipe can empty 3 gallons per minute.

All the three pipes working together can fill the tank in 15 minutes. The capacity of the tank is:

{

~60 gallons

~100 gallons

CORRECT ANSWER: 120 gallons

~180 gallons

}

T&W41. Ram and Shyam together do a work in 8 days. Both of them began to work. After 3 days Ram fell ill. Shyam completed the remaining work in 15 days.

In how many days can Ram complete the whole work?

{

CORRECT ANSWER: 12

~17

~16

~15

}

T&W42. Two workers A and B were employed for a work. A takes 8 hour more than the time taken by A and B together.

If B takes 4.5 hours more than the time taken by A and B together, how long would A and B take together to complete the work?

{

~7 hours

CORRECT ANSWER: 6 hours

~5 hours

~4 hours

}

T&W43. If 5 persons can do 5 times of a work in 5 days, then 10 persons can do 10 times of that work in:

{

~10 days

~8 days

CORRECT ANSWER: 5 days

~2 days

}

T&W44. Two taps can fill a cistern in 6 min. and 7 min. respectively. If these taps are opened alternatively for a minute, in what time will the cistern be filled?

{

~5.67 min

~6.25 min

~5 min

CORRECT ANSWER: 45/7 min

}

T&W45. Two taps A and B can fill a cistern in 28 min. and 42 min. respectively. Third tap C can empty it in 42 min.

If all the three taps are opened, the time taken to fill the cistern is:

{

~30 min

~35 min

CORRECT ANSWER: 28 min

~42 min

}

T&W46. 49 pumps can empty a reservoir in 6Ω days, working 8 hours a day. If 196 pumps are used for 5 hours a day, then the same work will be completed in:

{

CORRECT ANSWER: 2.6 days

~3 days

~2.5 days

~2 days

}

T&W47. 16 men complete one-fourth of a piece of work in 12 days. What is the additional number of men required to complete the work in 12 more days ?

{

~48

~36

~30

CORRECT ANSWER: 16

}

T&W48. A takes thrice as long to do a piece of work, as B takes. A and B together can do a piece of work in 7.5 days. A alone can do in:

{

CORRECT ANSWER: 30 days

~40 days

~50 days

~60 days

~none of these

}

T&W49. A cistern can be filled by two pipes A and B in 10 and 15 hours respectively and is then emptied by a tap in 8 hours.

If all the taps are opened, the cistern will be fill in:

{

~21 hours

~22 hours

~23 hours

CORRECT ANSWER: 24 hours

~None of these

}

T&W50. If 33 untrained labourers can do a work in 15 days of 12 hr. each, how many trained labourers can do 50% more work in 11 days of 9 hr each ?

(It may be assumed that it takes 2 trained labourers to do the work of 5 untrained labourers)

{

~42

CORRECT ANSWER: 36

~90

~100

}

POT1. A Train runs at speed of 42 m/s and takes 35 seconds to pass a tunnel. After travelling some distance. It takes 15 seconds to pass a pole.

What is the length of the tunnel?

{

~162 m

~630 m

CORRECT ANSWER: 840 m

~240 m

}

POT2. A train Rajdhani starts from Suratkal at 5 a.m with the speed of 15kmph. Another train starts from Shatabi the same place in same direction at 7 a.m with the speed of 20kmph.

At what time will both the trains meet each other?

{

~3.00pm

~2:00 pm

~12:00 pm

CORRECT ANSWER: 1.00pm

}

TRI1. If dy =[( sec x - y) / tan x )] dx, then the curve is:

{

~y =x ( sin x )

~y =x ( cos x )

~y =x ( sec x )

CORRECT ANSWER: y =x ( cosec x )

}

1. Sameer plants 7225 plants, so that there are as many rows as there are trees in a row. How many trees are there in a row?

{

~75

~95

CORRECT ANSWER: 85

~65

}

2. Find a 2-digit smallest number which when divided by 1 , 2 and 3 leaves no remainder.

{

~14

~10

~16

CORRECT ANSWER: 12

}

3. An investment earns 4 paisa per rupee invested. If at the end of the year, the interest earned by an investment is Rs. 100. Then the investment is equal to:

{

~Rs. 2,000

~Rs. 2,200

~Rs. 1,000

CORRECT ANSWER: Rs. 2,500

~Rs. 4,000

}

4. If the difference of two numbers is 8 and the difference of their squares is 160, then the numbers are:

{

~18,10

~8, 16

CORRECT ANSWER: 6, 14

~None of the above

}

5. How many three digits numbers can be formed using 2,3,4 and 5 with none of the digits being repeated?

{

~20

~45

CORRECT ANSWER: 24

~10

}

6. The average of 7 numbers is 50. The average of fist three of them is 40, while the average of the last three is 60. What must be the remaining number?

{

~65

~55

CORRECT ANSWER: 50

~45

}

7. Coins of 1, 2 and 5 rupees are tossed. What is the probability of getting head on the 1 rupee, tail on the 2 rupee and a head on the 5 rupee coins?

{

~1/2

~1/4

CORRECT ANSWER: 1/8

~1/16

}

8. In a game show there are 5 prize cards and 20 blank cards. A contestant is asked to choose a card at random. What is the probability that he won a prize?

{

~3/5

~2/5

CORRECT ANSWER: 1/5

~4/5

}

9. Which of the following numbers is the smallest number?

{

CORRECT ANSWER: 1/12

~1/6

~1/4

~1/3

}

10. In how many ways can the letters of the word ‘CONSTANT’ be arranged such that the word always starts with a vowel?

{

~5, 050

~1, 440

CORRECT ANSWER: 2, 520

~10, 080

}

11. A group of women can finish a piece of work in 50 days. In how many days will one-third the number of women be able to finish two-third of the work?

{

~150days

~75days

~50days

CORRECT ANSWER: 100days

}

12. The number 2594\* is completely divisible by6. The smallest value of can be:

{

~0

~2

CORRECT ANSWER: 4

~6

}

13. Sara has 400 marbles. If she gives (1/5)th of her marbles to Sam and Sam gives (3/4)th of his marbles to David, then how many marbles does Sam have left?

{

~80

CORRECT ANSWER: 20

~60

~200

}

14. Two students ‘P’ and ‘Q’ appear for an examination. ‘P’ scores 40% of the total marks and fails by 30 marks. However, ‘Q’ scores 60% of the total marks and scores 20 marks more than

{

~70

CORRECT ANSWER: 130

~170

~100

}

15. A retailer sells two items at a price of 100 each. He sells one item at a loss of 20% and the other item at a profit of 20%. Find the net profit/loss percentage of the retailer.

{

CORRECT ANSWER: 0%

~37.5%

~52%

~4%

}

16. The correct relationship after eliminating x, y and z from x + y =a, y + zCORRECT ANSWER: b, z + x =c and x + y + z =m, is:

{

~m =x + y + z

CORRECT ANSWER: 2m =a+ b+ c

~m =x – y – z

~2m =x – y – z

~None of the above

}

17. Among the following options, which one does not lie in the given range : 1/6 < X < 17/12

{

~2/7

~1/2

~4/3

~13/11

CORRECT ANSWER: 20/13

}

18. The number 98181\*6 is completely divisible by 9. Smallest whole digit number in place of \* can be:

{

~0

~1

~2

CORRECT ANSWER: 3

}

19. A certain sum of money amounts to Rs. 2, 500 in a span of 5 years and further to Rs. 3,000 in a span of 7 years at simple interest. The sum is:

{

~Rs. 1,000

~Rs. 1,200

~Rs. 1,050

CORRECT ANSWER: Rs. 1,250

}

20. The printed price on a book is Rs. 400, a bookseller offers a 10% discount on it. If he still earns a profit of 12%, then the cost price of the book is:

{

~Rs. 280

~Rs. 352

~Rs. 360

CORRECT ANSWER: Rs. 300

}

21. -3.4 is a number on the real number line. If we subtract 1 from this number the new number will be:

{

~Farther from the origin than-3.4

CORRECT ANSWER: Closer to the origin than -3.4

~Equally farther from the origin, as -3.4 is

~None of the above

}

22. What is the value of (5-2 X 10-4 )/ (2-5 X 5-6)

{

~0

CORRECT ANSWER: 2

~5

~10

}

23. The rate at which two employees of a company – Anu and karan convert cold calls to sales is 60 call/day. Anu converts 40 calls more than Karan in a day. How many calls do the two

employees convert individually?

{

CORRECT ANSWER: Anu: 40 calls/day

Karan: 20 calls/day

~Anu: 55 calls/day

Karan: 5 calls/day

~Anu: 50 calls/day

Karan: 10 calls/day

~Anu: 35 calls/day

Karan: 25 calls/day

}

24. A quiz has one multiple choice with answer choices A,B and C, and two true/false questions. What is the probability of answering all three questions correctly by guessing?

{

~1/5

~1/4

~1/3

CORRECT ANSWER: 1/12

}

25. Ram is five years elder to his youngest sibling Shreya. Shreya is two years younger than her brother Ritesh. Ritesh. 13 years old and is Ram’s brother. How old will Ram be in two years from now?

{

~16

~17

~20

~15

CORRECT ANSWER: 18

}

26. How many 4 digit numbers can be made using 1, 2, 3, 4, 5, 6, and 7 with none of the digits being repeated?

{

CORRECT ANSWER: 7!

~840

~4!

~42

}

27. Number ‘1’ is a :

{

~Prime number

~Composite number

CORRECT ANSWER: Positive integer

~Both A and C

}

28. If from a deck of 52 cards, 4 cards are to be selected and one card of it should be a spade and another card should be a heart, in how many ways can these cards be selected?

{

CORRECT ANSWER: 132\*50C2

~52C4

~26\*50C2

~13C4

}

29. A total profit of Rs. 36,000 is to be distributed among Rajesh, Salesh and Rajeev such that Rajesh : Salesh :: 5 : 4 and Satesh : 8 : 9. What is the share of Rajeev?

{

CORRECT ANSWER: Rs. 12,000

~Rs. 24,000

~Rs. 10,000

~Rs. 20,000

}

30. The probability of occurrence of an event is 9/10. What is the probability that an event occur at least 4 times out of 5?

{

~(14 x 95)/104

CORRECT ANSWER: (14 x 94)/105

~(14 x 95)/94

~(14 x 95)/105

}

31. The LCM and HCF of two numbers are 2970 and 30 respectively. Prime factors of the product of two numbers are:

{

CORRECT ANSWER: 2, 3, 5, 11

~2, 3, 7, 11

~2, 4, 5, 11

~2, 3, 7, 13

}

32. What is the value of (a3)5 / (a2)4

{

~7a

CORRECT ANSWER: a7

~a-7

~None of the above

}

33. An article is sold at a discount of 20% and still there is a gain of 10%. Find the marked price of the article if its cost price is 400.

{

~530

~420

~450

CORRECT ANSWER: 550

}

34. Write 528/7 as a mixed fraction.

{

~75 2/7

CORRECT ANSWER: 75 3/7

~74 3/7

~70 2/7

}

35. 47, 322 bulbs are to be packed in several boxes. Each box should contain equal numbers of bulbs and no bulb should be left unpacked. Number of boxes used can be:

{

~12

CORRECT ANSWER: 11

~8

~14

}

36. If a sum of money becomes 4 times of itself in 20 years, what is the rate of interest?

{

CORRECT ANSWER: 15%

~8%

~5%

~20%

}

37. Which number should be subtracted from 876905 so that it can be divisible by 8?

{

CORRECT ANSWER: 1

~2

~3

~4

}

38. In a ascheme, a pack of three soaps with MRP Rs. 45 is available for Rs. 42. If it still gives a profit of 5% to shopkeeper, then the cost price of the pack is:

{

CORRECT ANSWER: Rs. 40

~Rs. 37

~Rs. 41

~Rs. 35

}

39. An air conditioner can cool the hall in 40 minutes while another takes 45 minutes to cool under similar conditions. If both air conditioners are switched on at same instance,

then how long will it take to cool the room?

{

CORRECT ANSWER: About 22 minutes

~About 20 minutes

~About 30 minutes

~About 25 minutes

}

40. Shobhit bought 300 litres of milk at Rs. 19 per litre. He added 200 litres of water to it and sold 400 litres of this milk at Rs. 20 per litre. To the rest, he added 10 litres more

water and then sold it for Rs. 15 per litre. If he used mineral water that costs Rs. 10 per litre, then the total money earned by Shobhit is:

{

~Rs. 4,000

~Rs. 4,150

~Rs. 1,800

CORRECT ANSWER: Rs. 1,850

}

41. What are the values for X & Y in 72X23Y for it to be perfectly divisible by 88?

{

~X =1 & Y =5

~X =7 & Y =5

~X =3 & Y =2

CORRECT ANSWER: X =7 & Y =2

}

42. Find the value of X if 82x ÷ 8-5CORRECT ANSWER: 87

{

CORRECT ANSWER: 1

~0

~-1

~None of the above

}

43. If I have kept six different books on a shelf, in how many different ways can I arrange them?

{

~6

~24

~120

~720

}

44. A publishing company compares the sales value of their two best-selling books P and Q. If the sum of the sales value of both the books is 30,000 and the sales value of book P is 30%

more than that of book Q, what is the sales value of book Q?

{

CORRECT ANSWER: 13,043

~10,506

~23,076

~6,000

}

45. The difference in the simple interest and compound interest on a principal of Rs. 10,00,000 in 3 years at 4% per annum is:

{

~Rs . 4,000

~Rs. 5,000

CORRECT ANSWER: Rs. 4,864

~Rs. 4,500

}

46. If abc4d is divisible by 4, what cannot be the value of d?

{

~0

~4

~8

CORRECT ANSWER: 2

}

47. In a game show there are 5 prize cards and 20 blank cards. A contestant is asked to choose a card at random. What is the probability that he won a prize?

{

~3/5

~2/5

CORRECT ANSWER: 1/5

~4/5

}

48. If a coin with both heads is tossed, then the probability of obtaining a tail is:

{

CORRECT ANSWER: 0

~1/2

~1/3

~1

}

49. f nC5 =n C12, find n.

{

CORRECT ANSWER: 17

~15

~12

~19

}

50. Which o the following numbers is the smallest number?

{

CORRECT ANSWER: 1/12

~1/6

~1/4

~1/3

}

51. Sara has 400 marbles. If she gives (1/5)th of her marbles to Sam and Sam gives (3/4)th of his marbles to David, then how many marbles does Sam have left?

{

~80

CORRECT ANSWER: 20

~60

~200

}

52. The number 98181\*6is completely divisible by 9. Smallest whole digit number in place of \* can be:

{

~0

~1

~2

CORRECT ANSWER: 3

}

53. If a similar item is sold to two different customers X and Y such that there is a profit of 14% from customer X but a loss of 14% from customer Y, what will be the total loss/profit

percent of the seller?

{

~2.54% profit

CORRECT ANSWER: 1.96% loss

~1.96% profit

~No profit, no loss

}

54. A money lender lent out a sum of ͟͞ 5,000 at simple interest. At the end of 4years, the total amount received by him was ͟͞ 6,000. Find the rate of interest per annum.

{

~15%

~20%

CORRECT ANSWER: 5%

~30%

}

55. A group of women can finish a piece of work in 50 days will one-third the number of women be able to finish two-third of the work?

{

~150 days

~75 days

~50 days

CORRECT ANSWER: 100 days

}

56. which of the following is greatest among the four given values of x?

{

~X =√15

~X =3√25

~X =4 √125

CORRECT ANSWER: X =12√ 625

}

57. A bank advertises that you can double the money by investing it with them for 8 years. What the interest rate offered by them?

{

CORRECT ANSWER: 12.5%

~10%

~8.50%

~14%

}

58. Ronald and Elan are working on an assignment. Ronald takes 6 hours to type 32 pages on a computer, while Elan takes 5 hours to type 40 pages. How much time will they take, working together on two different commuters to type an assignment of 110 pages?

{

~7 hours 30 minutes

~8 hours

CORRECT ANSWER: 8 hours 15 minutes

~8 hours 25 minutes

}

59. Mehak was in a whimsical mood and to reach her home from her office she took the following steps-4 steps towards North, 3 steps towards East, 8 steps towards South, 6 steps towards West 7 steps towards North, 5 steps towards East, 6 steps towards South, 4 steps towards West and finally reached her home taking 3 steps towards North. The location of Mahak’s home with respect to her office is:

{

~3 steps to the East

~0 steps

CORRECT ANSWER: 2 steps towards the East

~2 steps to the West

}

60. ajesh commutes daily by travelling 4/5 of the distance between his home and office by Metro train, 3/20 by auto and remaining 1km on foot. The distance between his home and office is:

{

~12 km

~16 km

~24 km

CORRECT ANSWER: 20 km

}

61. What is the correct arrangement of the fractions 3/7, 5/12, 9/20 and 26/61 in descending order of their magnitude?

{

~>9/20 >5/12 > 26/61

CORRECT ANSWER: 5/12> 3/7 >9/20 >26/61

~26/61 > 9/20 > 5/12 > 3/7

~9/20 >3/7 >26/61 >5/12

}

62. Sangeeta invested Rs. 20,000 at 8% per anum. If the interest is compounded half yearly, then total interest earned by Sangeeta at the end of the year is:

{

CORRECT ANSWER: Rs. 1,632

~Rs. 1,600

~Rs. 1,800

~Rs. 1,475

}

63. In how many ways Sangeeta, Artii, Pooja, Mona and Payal can stand in a queue?

{

CORRECT ANSWER: 120

~5

~20

~150

}

64. What is the value of (-3/7)-4?

{

CORRECT ANSWER: 81/2401

~2401/81

~18/2401

~81/2410

}

65. A number is to be multiplied y the fraction 4/5. But Samir, by mistake, multiplied it by 5/4 and obtained the number 81 more than the correct one. What was the original number?

{

~200

~120

CORRECT ANSWER: 180

~240

}

66. The average age of the state level cricket team of eleven is 22 years. The average age gets increased by 1 year when the coach age is also included. What is the age of the coach?

{

CORRECT ANSWER: 34

~23

~30

~40

}

67. Two pipes A & B can separately fill a cistern in 220 minutes and 330 minutes. Together, they can fill the cistern in:

{

CORRECT ANSWER: 1 hour 32 minutes

~1 hour

~2 hour 12 minutes

~2 hour

~None of the above

}

68. A group of 6 is to be made out of 8 girls and 6 boys. What is the probability that exactly 3 boys are selected?

{

CORRECT ANSWER: (8C3 \* 6C3) / 14C6

~8C3 / 14C6

~3/4

~1/4

}

69. Which of the following numbers is divisible by 3x4?

{

~946

~947

CORRECT ANSWER: 948

~949

}

70. The probability of occurrence of an event is 9/10. What is the probability that an event will occur at least 4 times out of 5?

{

~(14 x 95)/104

CORRECT ANSWER: (14 x 94 )/105

~(14 x 95)/105

~(14 x 95)/94

}

71. The number of ways in which the letters of the word ‘RESULT’ can be arranged without repetition is:

{

CORRECT ANSWER: 720

~120

~60

~840

}

72. If 6(x-3) =36(x-5), then what is the value of X?

{

~2

~No value will agree

~-1

CORRECT ANSWER: 7

}

73. The printed price on a book is Rs. 400, a bookseller offers a 10% discount on it. If he still earns a profit of 12%, then the cost price of the book is:

{

~Rs.280

~Rs.352

~Rs.360

CORRECT ANSWER: Rs.321.42

}

74. Divide the sum of 3/5 and 8/11 by their difference.

{

~7/73

CORRECT ANSWER: 73/7

~11/15

~None of the above

}

75. Which number should be added to 113257 so that it can be divisible by 9?

{

~4

CORRECT ANSWER: 6

~8

~10

}

76. The profit earned by ABC Ltd. In 2015 was 1,80,000. The company decided to retain 20,000 in 2015 and 40,000 in 2016. What is the percentage increase in the respective amounts left after deducting the retained earnings from the profits?

{

~75%

~60%

~42.86%

CORRECT ANSWER: 33.33%

}

77. { 0, 1, 2, 3, 4, ……………… }

{

~Integers

CORRECT ANSWER: Whole numbers

~Natural numbers

~Positive integers

}

78. A school has 963 students appearing for the tenth and twelfth board exams. Each section in school has the same number of students. The number of sections for tenth and twelfth classes can be?

{

CORRECT ANSWER: 9

~6

~12

~7

}

79. If x =8 and y =27, the value of (x4/3 + y2/3)1/2 is:

{

CORRECT ANSWER: 5

~6

~7

~8

~None of the above

}

80. Find the number to be multiplied by (-6)-1 , so as to get (-8)-1 as the product?

{

CORRECT ANSWER: 3/4

~-(3/4)

~4/3

~-(4/3)

}

81. Suparna needs to browse through 75 pages of a novel before she gives her review to class. She has 2.5 hours before the lecture. What should be her reading speed in pages/hour?

{

~16

CORRECT ANSWER: 30

~20

~22

}

82. Pooja has cash reserves of 25,000. She also receives a bonus amount from her company.She plans to give half of her bonus amount eact along with an additional sum of 20,000 and 5,000 from her cash reserves to her daughters, Priya and Mona, respectively. Priya receives twice the amount received by Mona. What is the amount of bonus that Pooja receives?

{

~15,000

~10,000

~25,000

CORRECT ANSWER: 20,000

}

83. Namita has 4.2 kg of flour. She has been asked to make 5 cup cakes out of every 1/2 kg of flour. How many cup cakes can she bake out of the flour she has?

{

~21

~24

~30

CORRECT ANSWER: 42

}

84. In how many ways can the team members be arranged for the picture if all the males are always together and if the team comprises of 7 males and 6 females?

{

~13!

~7!7!

CORRECT ANSWER: 7!6!

~14!

}

85. What are the number of ways of selecting 7 files out of 14 distinct files if one is always selected?

{

CORRECT ANSWER: 14C7

~13C6

~1

~14P7

~13P6

}

86. A salesman has a record of selling even rejected pieces to his customers without letting them know that the product is actually faulty. His skills are rated with a probability of 80% efficiency. If he is given 20 faulty items, how many will he be able to sell?

{

~80

~20

CORRECT ANSWER: 16

~4

}

87. A person buys a mobile phone for Rs 7,500 and sold it for Rs. 6,000. What is the loss percentage?

{

~0.05

~0.1

~0.15

CORRECT ANSWER: 0.2

}

88. What will be the value of the expression a8/3 \* a-6/9?

{

~a-2

~a-1

~a0

~a1

CORRECT ANSWER: a2

}

89. Which of the following is divisible by 3,7 and 11?

{

~1,393

~1,396

~1,380

CORRECT ANSWER: 1,386

}

90. What is the value of [(6! X 4!) + (6! / 5!)]?

{

~17,274

CORRECT ANSWER: 17,286

~17,280

~17,292

}

91. Which is the largest possible two digit number which divides 32472?

{

~44

~66

~88

CORRECT ANSWER: 99

}

92. What least value must be assigned to # , so that the number 279#4423 is divisible by 9?

{

~1

CORRECT ANSWER: 5

~3

~7

}

93. Shalom offered to sell his ancestral house for Rs. 18,400. If he had charged 10% less, he would have made a profit of 20% . What is the actual cost of the house?

{

~Rs. 15,800

~Rs. 14,500

CORRECT ANSWER: Rs. 13,800

~Rs. 12,500

}

94. If the price of an article is reduced by 25%, by what percent should the new price be increased so as to make it equal to the original price?

{

~25%

~38.75%

~20%

CORRECT ANSWER: 33.33%

}

95. If a positive integer n is divided by 5 then the remainder is 3. Which of the following numbers gives remainder 0, when it is divided by5?

{

~n + 3

~n – 2

CORRECT ANSWER: n + 2

~n + 1

}

96. A man invested 10,500 in a scheme and received 19,320 at the end of four years. Calculate the rate of interest at which he invested his money.

{

~33%

~21%

~19%

CORRECT ANSWER: 46%

}

97. Pulse rate of a teenager is 12 beats in 10 sec. At this rate. Would his pulse tate be more than, equal to, or less than 100 beats minute?

{

CORRECT ANSWER: Less than

~Greater than

~Equal to

~Data insufficient

}

98. Sudha purchased 3 kg potato from market. She used 1/3 of in cooking baked potatoes and ½ of remaining in mixed vegetables. What quantity of potatoes is she left with?

{

~1.5 kg

~2 kg

CORRECT ANSWER: 1 kg

~2.5 kg

}

99. Recycling 900 kg of paper saves 17 trees. How many trees are saved when 1200 kg of papernare recycled?

{

~19

~25

~20

CORRECT ANSWER: 22

}

100. Simplify (144-3/2)-1/6

{

CORRECT ANSWER: 2√3

~6

~3√2

~4

}

101. If 22n-1 CORRECT ANSWER: (1/8n-3) then the value of n is:

{

~3

CORRECT ANSWER: 2

~0

~1

~-2

}

102. In a non-leap year,what is the probability that the last day of the year starts with a'T'?

{

~4/7

~1

~0

CORRECT ANSWER: 2/7

}

103. The permutations and combinations of abcd taken 3 at a time are respectively:

{

~12, 2

CORRECT ANSWER: 24. 4

~36, 6

~48, 8

}

104. 47, 322 bulbs are to packed in several boxes. Each box should contain equal numbers of bulbs and no bulb should be left unpacked. Number of boxes used can be.

{

~12

CORRECT ANSWER: 11

~8

~14

}

105. Which number should be subtracted from 876905 so that it can be divisible by8?

{

CORRECT ANSWER: 1

~2

~3

~4

}