Test pattern:
Online Test.

1. Aptitude test.
 a) Number series.

Series completion: There were 18 questions from series. Some sample questions are:

-> 2, 7, -35, 7, 12, -60, 5, 10, ?
-> 2, 3, 10, 15, 26, ?
-> 0.03, 0.0018, 0.00108, 0.00648, ?

14, 8, 9, 14.5, 30, ?
20, 29, 54, 103, 184, ?,

7, 8, 18, 57, ?, 1165

77, 85, 69, 101, 37, ?

2, 9, 28,65, 126, ?
0, 7, 26, 63, 124, ?
0, 6, 24, 60, 120 ,?

 b) Quantitative aptitude.

This also consisted of 18 questions. The questions were from topics, like series, algebra, time & work, time, speed & distance, arithmetic, percentages, probability, permutation & combination, profit & loss, HCF, LCM, geometry, percentage, profit loss, volume etc.

 c) English and business related email rules

section consists of short reading comprehension passages, basic grammar usage questions like fill in the blanks, synonyms, antonyms, paragraph completion, sentence correction, vocabulary, sentence ordering etc

It has total 22 questions which is divided into two parts, 21 objective type questions and 1 subjective question.

Samples of objective questions are:

- Subjective question asked us to write the format of a business letter.
- The total time for each question was 2 minutes and 15 seconds.

2. Psychometric Test.

This round is also called WSI. Work Style Inventory. In this 100 questions is asked related to day-to-day. Life situations and how we tackle them.

2) Technical and HR.

The quantitative aptitude section has 30 questions mostly from time and work, time and distance, profit and loss, ages, percentages, ratios, and other simple concepts.
.

For the English language + Grammar section practicing short reading comprehension passages, basic grammar usage questions like fill in the blanks, synonyms, antonyms, paragraph completion, sentence correction, vocabulary, sentence ordering etc would suffice.

Number series is one of the very important topics for IBM recruitment as it has one complete section on the same. The questions are not exceptionally difficult.

1. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.
3, 10, 101,?
A. 10101
B. 10201
C. 10202
D. 11012
Ans-C

2. In the series 2, 6, 18, 54, ... what will be the 8th term ?

A. 4370
B. 4374
C. 7443
D. 7434
Ans-B

3. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.
125,80,45,20,?

A. 5
B. 8
C. 10
D. 12
Ans-A

4. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

6, 13, 25, 51, 101, ?

A. 201
B. 202
C. 203
D. 205
Ans-C

5. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.
1, 3, 4, 8, 15, 27, ?
A. 37
B. . 44
C. 50
D. 55

Ans-C

6. Which term of the series 5, 10, 20, 40, ... is 1280?
A. 10th
B. 9th
C. 8th
D. None of these
Ans-B

7. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.
198, 194, 185, 169, ?
A. 92
B. 112
C. 136
D. 144

Ans-D

8. Which of the following will not be a number of the series 1, 8, 27, 64, 125,.....?

A. 256
B. 512
C. 729
D. 1000
Ans-A

9. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

9, 27, 31, 155, 161, 1127, ?

A. 316
B. 1135
C. 1288
D. 2254
Ans-B

10. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.
90, 180, 12, 50, 100, 200, ?, 3, 50, 4, 25, 2, 6, 30, 3

A. 150
B. 175
C. 225
D. 250
Ans-A

11. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.
48, 24, 96, 48, 192, ?
A. 76
B. 90
C. 96
D. 98

Ans-C

12. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.
5824, 5242, ?, 4247, 3823

A. 4467
B. 4718
C. 4856
D. 5164

Ans-B

13. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.
325, 259, 204, 160, 127, 105, ?

A. 94
B. 96
C. 98
D. 100

Ans-A

14. In this question, one term in the number series is wrong. Find out the wrong term
3, 4, 10, 32, 136, 685, 4116
A. 10
B. 32
C. 136
D. 4116

Ans-B

15. In this question, one term in the number series is wrong. Find out the wrong term
1, 5, 5, 9, 7, 11, 11, 15, 12, 17

A. 11
B. 12
C. 17
D. 15

Ans-B

16. In this question, one term in the number series is wrong. Find out the wrong term

93, 309, 434, 498, 521, 533

A. 309
B. 434
C. 498
D. 521

Ans-D

17. Choose the missing terms out of the given alternatives.

b e d f ? h j ? l

A. i m
B. m i
C. i n
D. j m

Ans-A

18. Choose the missing terms out of the given alternatives.
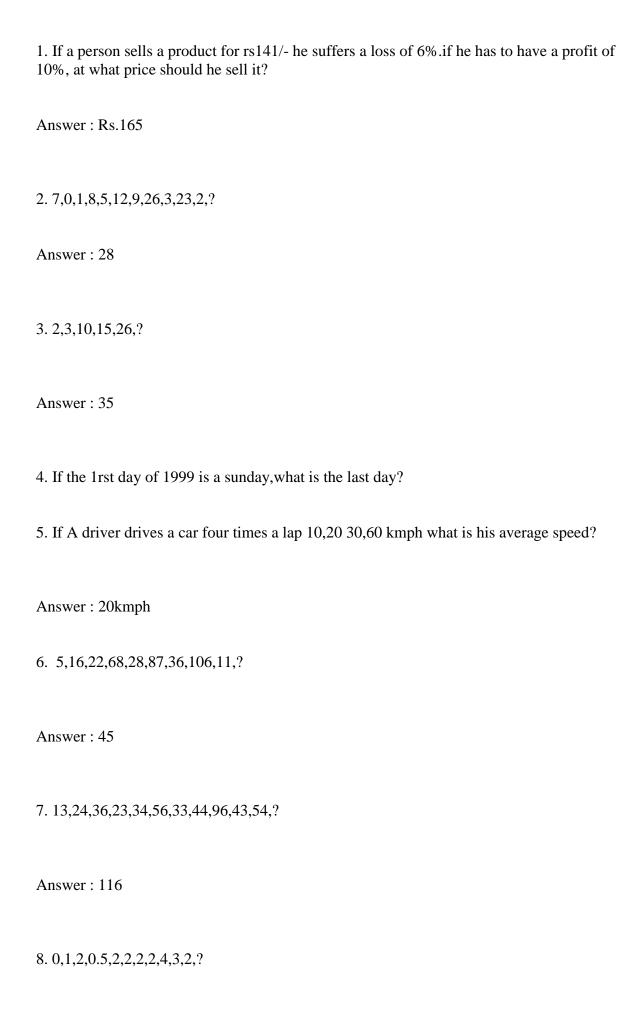
PERPENDICULAR, ERPENDICULA, RPENDICUL, ?

A. PENDICUL
B. PENDIC
C. ENDIC
D. ENDICU
E. None of these
Ans-E

19. Choose the correct alternative.
abca _ bcaab _ ca _ bbc _ a
A. ccaa
B. bbaa
C. abac
D. abba
Ans-C

20. Choose the correct alternative.
m _ nm _ n _ an _ a _ ma _
A. aamnan
B. ammanm
C. aammnn
D. amammn

Ans-C

Section-C Aptitude

1. The present worth of Rs. 1404 due in two equal half-yearly installments at 8% per annum simple interest is:
A. Rs. 1325
B. Rs. 1300
C. Rs. 1350
D. Rs. 1500

Ans-A

2. 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:
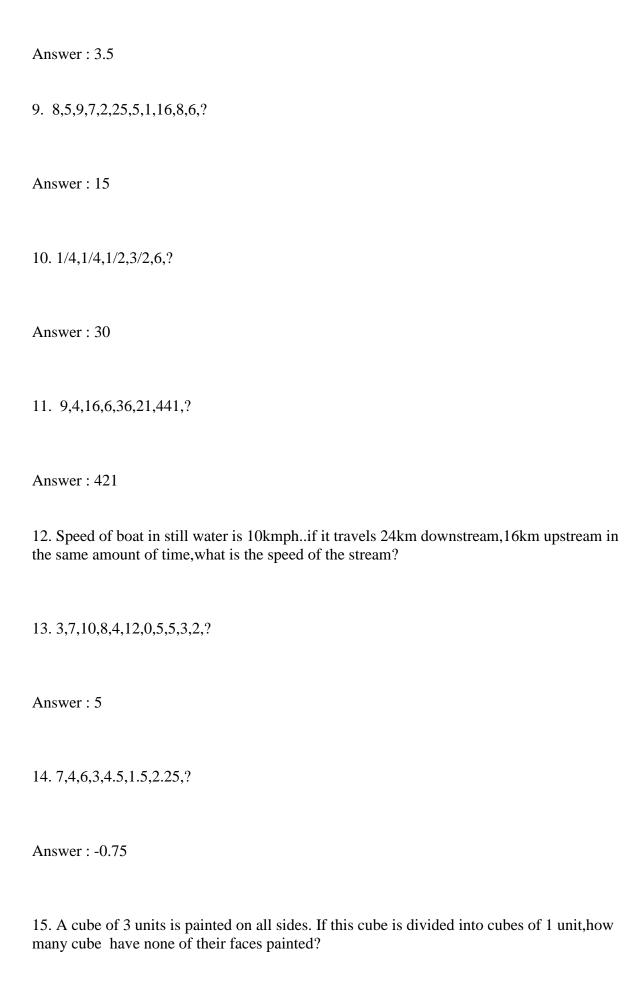
A. 21 m
B. 26 m
C. 28 m
D. 29 m
Ans-C

3. In a class, there are 15 boys and 10 girls. Three students are selected at random. The probability that 1 girl and 2 boys are selected, is:

A. 21/46
B. 25/117
C. 1/50
D. 3/25

Ans-A

4. If log 27 = 1.431, then the value of log 9 is:
A. 0.934
B. 0.945
C. 0.954
D. 0.958

Ans-C

5. The banker's gain on a sum due 3 years hence at 12% per annum is Rs. 270. The banker's discount is:
A. Rs. 960
B. Rs. 840
C. Rs. 1020
D. Rs. 760

Ans-C

6. A man buys Rs. 20 shares paying 9% dividend. The man wants to have an interest of 12% on his money. The market value of each share is:

A. Rs. 12
B. Rs. 15
C. Rs. 18
D. Rs. 21

Ans-B

7. A man standing at a point P is watching the top of a tower, which makes an angle of elevation of 30º with the man's eye. The man walks some distance towards the tower to watch its top and the angle of the elevation becomes 60º. What is the distance between the base of the tower and the point P?

A. 4?3 units
B. 8 units
C. 12 units
D. Data inadequate
E. None of these

Ans-D

8. What is the difference between the compound interests on Rs. 5000 for 1 1/2 years at 4% per annum compounded yearly and half-yearly?
A. Rs. 2.04
B. Rs. 3.06
C. Rs. 4.80
D. Rs. 8.30

Ans-A

9. Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?

A. 9
B. 10

C. 12

D. 20

Ans-B

10. A sum fetched a total simple interest of Rs. 4016.25 at the rate of 9 p.c.p.a. in 5 years. What is the sum?

A. Rs. 4462.50

B. Rs. 8032.50

C. Rs. 8900

D. Rs. 8925

E. None of these

Ans-D

11. The average of 20 numbers is zero. Of them, at the most, how many may be greater than zero?

A. 0

B. 1

C. 10

D. 19

Ans-D

12. If 3?5 + ?125 = 17.88, then what will be the value of? 80 + 6?5 ?

A. 13.41

B. 20.46

C. 21.66

D. 22.35

Ans-D

a) Aptitude Questions

1. If a person sells a product for rs141/- he suffers a loss of 6%.if he has to have a profit of 10%, at what price should he sell it?

Answer : Rs.165

2. 7,0,1,8,5,12,9,26,3,23,2,?

Answer : 28

3. 2,3,10,15,26,?

Answer : 35

4. If the 1rst day of 1999 is a sunday,what is the last day?

5. If A driver drives a car four times a lap 10,20 30,60 kmph what is his average speed?

Answer : 20kmph

6. 5,16,22,68,28,87,36,106,11,?

Answer : 45

7. 13,24,36,23,34,56,33,44,96,43,54,?

Answer : 116

8. 0,1,2,0.5,2,2,2,2,4,3,2,?

Answer : 3.5

9. 8,5,9,7,2,25,5,1,16,8,6,?

Answer : 15

10. 1/4,1/4,1/2,3/2,6,?

Answer : 30

11. 9,4,16,6,36,21,441,?

Answer : 421

12. Speed of boat in still water is 10kmph..if it travels 24km downstream,16km upstream in the same amount of time,what is the speed of the stream?

13. 3,7,10,8,4,12,0,5,5,3,2,?

Answer : 5

14. 7,4,6,3,4.5,1.5,2.25,?

Answer : -0.75

15. A cube of 3 units is painted on all sides. If this cube is divided into cubes of 1 unit,how many cube have none of their faces painted?

16. In a class the average age is 16yrs.if the teacher who is 40 yrs of age is also included ,the average becomes 17yrs,how many students were there?

17. If 3 houses are to be painted,Mr A can paint a house in 6 days(nos are not same)...Mr B can do the same in 8 days...and Mr.C in 12 days. If Mmr A does the work for 8 days and leaves for vacation, and Mr B continues the work for the next 6 days, for how many days should mr.C work?

Answer : 11 days

18. A ball falls from a height of 8ft ,bounces back to half the distance & continues till it comes to rest. What is the total distance travelled by the ball?

Answer: 24ft

19. 18,24,5,21,27,8,17,23,4,24,30,?

Answer : 9

20. 3,5,2,100,4,7,3,196,1,6,5,?

Answer : 144

21. Which of the following is the sum of 3 consecutive prime nos?

Answer : 49 and 59

22. If the area of a square has increased by 69%,by what % has its side increased?

23. Six squares of same dimension are kept side by side to make a rectangle with a perimeter of 182 cm. what is the perimeter of each square.

Answer : 52

24. One student takes 20 mins to reach school if he goes at a speed of 15kmph .At what speed should he go to reach in 15 mins (nos are not same).

Answer : 16kmph

25. 2,9,5,49,11,169,?

Answer : 22

26. 2,6,5,14,11,26,17,?

Answer : 60

27. How many rational numbers are there between 0 and 5

Answer : Infinite

28. A certain number of bullets were shared by 3 people equally.Each of them fired 4 bullets and the sum of the remaining bullets was equal to the initial share each had got.what was the initial number of bullets?

Answer : 18

There are 5 packages. The weight of 1st package is 500 kg and the weight of the 2nd package is 50% higher than the weight of 3rd package whose weight is 45% higher than the 1st package weight. The fourth package at 360 kgs is 60% lighter than the fifth package. Find the average weight of all the five packages.
a)714.5 kgs
b)798.3 kgs
c)723.9 kgs
d)712.6 kgs
Answer : a)714.5 kgs

2. Find the smallest number which leaves 22,35, 48 and 61 as remainders when divided by 26, 39, 52 and 65 respectively.
a)760
b)776
c)766
d)780
Answer : b)776

3. The average number of visitors of a library in the first 4 days of a week was 58. The average for the 2nd, 3rd, 4th and 5th days was 60.If the number of visitors on the 1st and 5th days were in the ratio 7:8 then what is the number of visitors on the 5th day of the library?
a)18
b)64
c)58
d)56
Answer : b)64

4. Find the smallest 8-digit number which gives 15 as a remainder when divided by 38, 22 and 16.
a)10002004
b)10002015
c)10001919
d)10000015
Answer : c)10001919

5. A man gave Rs.A for buying every 10 items and Rs.B for buying every extra item. If he bought 10 items on Monday 13 items on Tuesday, 12 items on Wednesday, 11 items on Thursday and 12 items on Friday then what is his average daily spending in rupees for the five days?
a)A+ 8B/5
b)(5A+9B)/5
c)10A+ 8B/5
d)5A+8B
Answer : a)A+ 8B/5

6. In an exam, Ajith, Sachu, Karna, Saheep and Ramesh scored an average of 39 marks. Saheep scored 7 marks more than Ramesh. Ramesh scored 9 fewer than Ajith. Sachu scored as many as Saheep and Ramesh scored.Sachu and Karna scored 110 marks them. If Ajith scores 32 marks then how many marks did Karna score?
a)53 marks
b)23 marks
c)57 marks
d)30 marks
Answer : c)57 marks

7. Let p and q be two prime numbers such that p is greater than q. If 319 is their LCM then the difference of thrice of q and p is:
a)1
b)0
c)4
d)9
Answer : c)4.

8. Let 13 and 273 are the HCF and LCM of two numbers respectively, and if one of them is less than 140 and greater than 60 then what will be that number?
a) 121
b) 91
c) 75
d) 131
Answer : b) 91

9. In an exhibition, the entrance ticket for Kids was Rs.16 and Rs.20 for adults. Every year, adult's cost increases by 25% more than kid's increase rate which is 25%. What will be the difference of their ticket cost after 2 years?
a) Rs.16
b) Rs.15
c) Rs.20
d) Rs.18
Answer : c) Rs.20

10. If 200 chocolates were distributed among 100 people, in such a manner that each man received 1 chocolate, each woman received 4 chocolates and each child received 6 chocolates. Find which of the following is a possible value for the number of children?
a) 12
b) 16
c) 8
d) 0
Answer : c) 8

11. An exhibition was conducted for 4 weeks. The number of tickets sold in 2nd workweek was increased by 20% and increased by 16% in the 3rd workweek but decreased by 20% in the 4th workweek. Find the number of tickets sold in the beginning, if 1392 tickets were sold in the last week.
a) 1750
b) 1550
c) 1250
d) 1000
Answer : c) 1250

12. The cost of two varieties of paint is Rs.3969 per 2 kg and Rs.1369 per 2 kg respectively. After how many years will the value of both paint be the same, if variety1 appreciates at 26% per annum and variety2 depreciates at 26% per annum?
a) 3
b) 4
c) 1
d) 2
Answer : d) 2.

13. 121, 102, 84, 72, 61, 54,?
a) 102
b) 84
c) 72
d) all are right
Answer : b) 84.

14. 5, 6, 14, 45, 184, 925,?
a) 45
b) 925
c) 184
d) all are right
Answer : d) all are right.

15. 764, 620, 520, 456, 400, 404,?
a) 400
b) 404
c) 456
d) all are right
Answer : a) 400

16. 1337, 662, 331, 164, 81, 40,?
a) 164
b) 81
c) 662
d) all are right.
Answer : c) 662

17. If pq=28 where p and q are whole numbers then which of the following will be (p2 - q2)?
a) 32
b) 83
c) 783
d) cannot be determined.
Answer : c) 783

18. The age of the grand father is the sum of his three grandsons.The second is 2 year younger than first one and the third one is 2 year younger than the second one. Then what will be the age of the grandfather?

19. Dinesh is seated 7 from the left and satish is seated 12 from the right. when they interchange their positions, dinesh is seated 22nd from the left. How many people are there?

20. The main line train starts at 5.00AM and the harbor line train starts at 5.02AM. Each train has the frequency of 10 minutes.If a guy goes in the morning at a random time what is the probability of he getting main line train?

21. In 1978, a kg of paper was sold at Rs25/-. If the paper rate increases at 1.5% more than the inflation rate which is 6.5% a year, then what will be the cost of a kg of paper after 2 years?

22. What is the probability of getting 3 or 4 in 3 consecutive rolls of a dice ?

23. The diameter of a wheel is 1.26m. If this wheel rotates 500 rotations, how long it can travel?

24. A finishes a work in 12 days and B finishes same work in 14 days.If they work for a day alternately with A beginning, how many days will it take to complete the work?

25. How is the father of the man ,who is the brother of the only aunt of my brother related to me?

26. In a class of 60 boys, 45 like pizza, 30 like burger and 5 like neither. Find number of boys who like both?

27. A fuel dealer mixes two brands of fuel which cost in the ratio 2:3 A solution of 30% Brand A with Brand B yields profit of 10% when sold at RS 297. What is cost of brand B?

28. The diameter of a wheel is 1.26m. If this wheel rotates 500 rotations, how long it can travel?

29. Adam stands facing towards north-west direction.He walks 61 m and then turns southwards and walks another 60 m. How far is he from the starting point.?

30. If A driver drives a car four times a lap 10,20 30,60 kmph what is his average speed?

1. 40,42,4241,41,,42,44,44,?

Answer : 44

2. 17,18,19,34,35,19,20,?

Answer : 21

3 . 22,21,34,33,45,?

Answer : 44

Section C

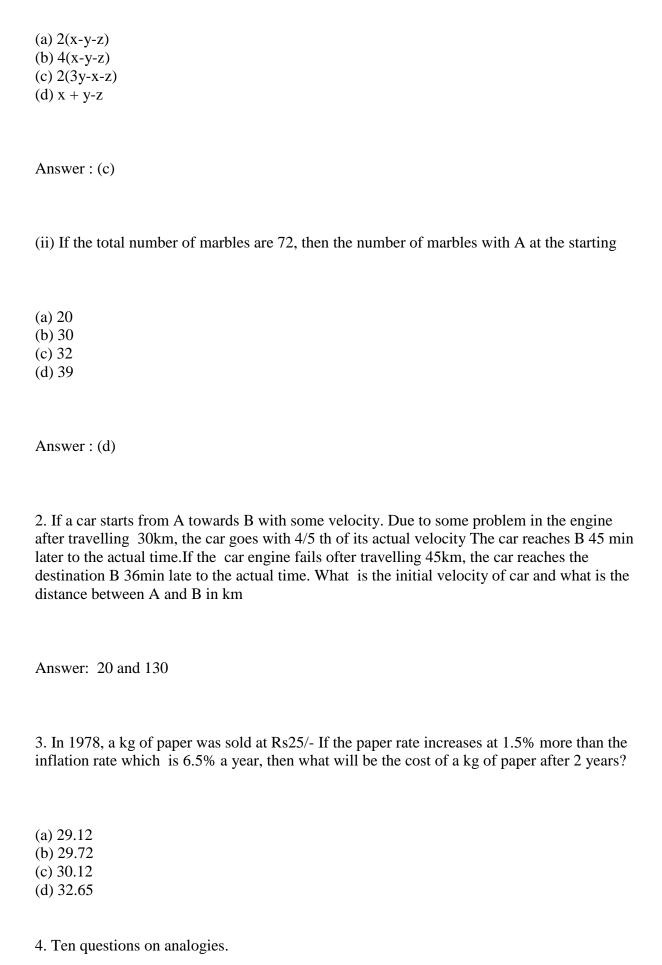1. The rate of colour toner increases $33 to $35 and rate of black & white toner increases $28 to $29. If company spends $1540 in which 3/5 is colour toner then how much is total Expenditure increases after the cost hike.

2. A computer shop consists of 3 brand's laptop .Laptop of brand A is sold 3/16, B is sold 1/16 and c is sold ¾ then what fraction is sold by the shop in all.

3. Printer A prints 8192 character per min and printer B prints 13862 character per minutes four character are equal to one word. Printer A starts at 7:15 am while Printer B starts at 7:29 am then at what time both will have same no of words printed.

4. In a library there are 5 cluster and each is having 44 books(module). In first weak 75 books are used, in second 95, in third 95 and in fourth 160 books are used.then tell how much fraction of booksare used.

5. We have 171 kg rice custing 7 rs/kg.we have rice at 11 rs/kg and 2 rs/kg .then after mixing 11 rs/kg and 2 rs/kg rice. What is quantity of 11 rs/kg rice.

6. Rectangular room has width half of its length. When 6 is decreased from both length and width then its area is differed by 108 so find the width.

7. Company A taken a truck on rent of $1280 per month another company B bought the truck in $40000 and send $120 per month. After 4 years what will be the difference in the Amount spent by the bothcompanieson the TRUCK.

8. In a company printing work is done by two machine 5% of the work done by machine A are wasted ,and 40% of work done by machine B are wasted. if the 80% of the total work is done by machine A. Then what is the total percentage of wastage.

Aptitude Questions

1. Direction : In A,B,C are having some marbles with each of them. A has given B and C the same number of marbles each of them already have. Then, B gave C and A the same number of marbles they already have.Then C gave A and B the same number of marbles they already have.At the end A,B,and C have equal number of marbles.

(i) If x,y,z are the marbles initially with A,B,C respectively. Then the number of marbles B have at the end.

(a) 2(x-y-z)
(b) 4(x-y-z)
(c) 2(3y-x-z)
(d) x + y-z

Answer : (c)

(ii) If the total number of marbles are 72, then the number of marbles with A at the starting

(a) 20
(b) 30
(c) 32
(d) 39

Answer : (d)

2. If a car starts from A towards B with some velocity. Due to some problem in the engine after travelling 30km, the car goes with 4/5 th of its actual velocity The car reaches B 45 min later to the actual time.If the car engine fails ofter travelling 45km, the car reaches the destination B 36min late to the actual time. What is the initial velocity of car and what is the distance between A and B in km

Answer: 20 and 130

3. In 1978, a kg of paper was sold at Rs25/- If the paper rate increases at 1.5% more than the inflation rate which is 6.5% a year, then what will be the cost of a kg of paper after 2 years?

(a) 29.12
(b) 29.72
(c) 30.12
(d) 32.65

4. Ten questions on analogies.

Example:

chief : tribe :: governor : state
epaulette : shoulder :: tiara : head
guttural : throat :: gastric : stomach
inept : clever :: languid : active
knife : butcher ::
hammer : carpenter ::

5. A person has Rs 100/- in his pocket, he can as 25 pencils or 15 books. He kept 15% of the money for travelling expenses and purchased 5 pencils. So how many books he can purchase with the remaining money.

6. A square plate of some size is cut at four corners. Equal squares of the same size are cut and is formed as open box.If this open box carries 128 ml of oil. What is the size of the side of the plate?

(a) 17
(b) 14
(c) 13
(d) None of these

7. In a square, all the mid points are joined. The inner square is shaded. If the area of the square is A, what is the area of the shaded area?

8. Two questions on basic angles i.e given a circle, a few chords or diameter is drawn etc.

101,?,106,124,220,820

2.) -629,-431,?,-167,-89,-3

A shopkeeper gives two successive discounts of 10% and 20% on the marked price of 5000 of a bycle, he

had to give a further discount equal to 20% of his cost price on his new selling price, as a result of which he

made neither a profit nor a loss. Find the cost price of the bycle

a hostel had 320 inmates. this year 80 more inmates joined and the average expenditure reduced by 5 but the total expenditure went up by 400. what is the expenditure of the hostel in this year?

552,12,995,23,152,8,661,13,520,?

1.) 28,17,23,17,26,16,22,16,24,15,21,15

2.) 1/5,1/2,1/3,2/5,1,2/3,3/5,11/2,1,4/5

3.) -3,-6,-9,-82,-80,-30,-33,-36,-55,-53,-24

4.) 34.274,34.2744,34.2784,34.3184

5.) 8,16,3,27,4,8,7,19,2,0,7

6.) -3,6,1,-2,4,-1,-1,2,-3

7.) 2,3,10,15,26

8.) 0.03,0.0018,0.00108,0.00648,0.3888

9.) 0,1,2,0.5,2,3,5,1,2,0,2,1,4,2,3

10.) 1.4,2.4,2.4,4.4,8.8,11.8,35.4,39.4

11.) 5,5,7,7,9,11,11,13,13,17,17,15,19,17

12.) 2,1,2,3,8,0,1,9,1,2

13.) 37,73,9,49,58,85,25,64,29,92

14.) 3,5,2,3.5,7,4,6,3,4.5,9,1.5

15.) 2,1,2,3,2,9,9,0,1,1,9

16.) 36,42,16,20,36,42,4

17.) 11,8,17,14,23,24,31,32,35

18.) 25,13,39,17,51,19,57,15,45