Q 1 In the following sentence, some part or whole sentence is underlined. Below are given four ways of phrasing the underlined part. Select the answer from the given choices which produces the most effective sentence, one that is clear and exact.

Had the opportunity been given to him, he <u>will have proved</u> successful.

Ops: A. ○ will have to prove
     B. ○ will be proving
     C. ○ would have proved
     D. ○ would be proved

Q 2 Find out which part of the sentence below has an error and mark that option. If there is no error mark that as your answer.

Radha is my / friend of about / seventeen years old.

Ops: A. ○ seventeen years old.
     B. ○ Radha is my
     C. ○ friend of about
     D. ○ No error

Q 3 Fill in the blank with the correct pronoun.

My parents approved of _____ enrolment in guitar lessons.

Ops: A. ○ I
     B. ○ my
     C. ○ mine
     D. ⦿ me
     reset answer

Q 4 Choose the correct spelling for the missing word.

Her _____ into mathematical concepts was evident when she correctly analyzed a challenging question.

Ops: A. ○ ensight
     B. ○ inscite
     C. ○ insight
     D. ○ insite

Q 5 From the given options, choose the word that is <u>spelt incorrectly</u>.

Ops: A. ○ haughtiness
     B. ○ Unhurried
     C. ○ mrge
     D. ○ incomplete

Q 6 Read the following sentences and try to choose the best definition for the underlined word by searching for context clues in the sentence.

The thief <u>jostled</u> me in a crowd and was thus able to pick my pocket.

Ops: A. ○ hindered
     B. ○ mugged
     C. ○ assailed
     D. ○ bumped

Q 7 Fill in the blank(s) with most suitable option.

More people have heart attacks ____ Monday morning than at any other time.

Ops: A. ○ with
     B. ○ in
     C. ○ on
     D. ○ at

Q 8   In the following sentence, some part or whole sentence is underlined. Below are given four ways of phrasing the underlined part. Select the answer from the given choices which produces the most effective sentence, one that is clear and exact.

The villagers remitted not only a part of their earnings back home, but also took with them the appetites, aspirations and outlook of their places of work.

Ops: A.   ○ The villagers remitted not only a part of their earnings back home
      B.   ○ The villagers not remitted only a part of their earnings back home
      C.   ○ The villagers not only remitted a part of their earnings back home
      D.   ○ Not only villagers remitted a part of their earnings back home

Q 9   Choose the correct meaning of the underlined phrases/idiom as used in the following sentence.

No one but her conscience advised her to come back to earth.

Ops: A.   ○ being honest
      B.   ○ return to reality
      C.   ○ return to earth
      D.   ○ return early

Read the passage given below and answer the questions that follow:

As the economic role of multinational, global corporations expands, the international economic environment will be shaped increasingly not by governments or international institutions, but by the interaction between governments and global corporations, especially in the United States, Europe, and Japan. A significant factor in this shifting world economy is the trend toward regional trading blocs of nations, which has a potentially large effect on the evolution of the world trading system. Two examples of this trend are the United States-Canada Free Trade Agreement (FTA) and Europe 1992, the move by the European Community (EC) to dismantle impediments to the free flow of goods, services, capital, and labor among member states by the end of 1992. However, although numerous political and economic factors were operative in launching the move to integrate the EC's markets, concern about protectionism within the EC does not appear to have been a major consideration. This is in sharp contrast to the FTA; the overwhelming reason for that bilateral initiative was fear of increasing United States protectionism. Nonetheless, although markedly different in origin and nature, both regional developments are highly significant in that they will foster integration in the two largest and richest markets of the world, as well as provoke questions about the future direction of the world trading system.

Q 10   The passage suggests which of the following about global corporations?
Ops: A.   ○ Their continued growth depends on the existence of a fully integrated international market.
      B.   ○ Their potential effect on the world market is a matter of ongoing concern to international institutions.
      C.   ○ They will have to assume quasi-governmental functions if current economic trends continue.
      D.   ○ Their influence on world economics will continue to increase.

Q 11   According to the passage, one similarity between the FTA and Europe 1992 is that they both:
Ops: A.   ○ overcame concerns about the role of politics in the shifting world economy
      B.   ○ exemplify a trend toward regionalization of commercial markets
      C.   ○ originated out of concern over unfair trade practices by other nations
      D.   ○ place the economic needs of the trading bloc ahead of those of the member nations

Q 12   Which of the following can be inferred from the passage about the European Community prior to the adoption of the Europe 1992 program?
Ops: A.   ○ There were restrictions on commerce between the member nations.
      B.   ○ There were few impediments to trade between the member nations and the United States.
      C.   ○ The flow of goods between the member nations and Canada was insignificant.
      D.   ○ The economic policies of the member nations focused on global trading issues.

Q 13 Given below are sentences which when arranged, logically, form a coherent passage. Arrange them sequentially and then mark the answer accordingly.

A. "Consumers, doctors, payers all want to know if a product provides a clinical benefit," said Julie Papanek of the venture capital firm Canaan Partners, who invests in wearables startups. "Working with the FDA is the one way to get the ability to market that benefit."

B. Long criticized by some health-tech entrepreneurs as a barrier to innovation, the FDA is now seen as an important ally by companies eager to show that their devices can improve peoples' health - and eager to get heath insurers to cover them.

C. Many would-be vendors of medical wearables are small startup companies, such as Cambridge, Massachusetts-based Empatica, which is developing a wristband designed to alert epilepsy patients and their caregivers of seizures in the hope of averting a dangerous post-seizure condition that can cause sudden, unexpected death.

Ops: A.   ○ BAC
         B.   ○ CBA
         C.   ○ CAB
         D.   ○ BCA

Q 14 Mark the option which is <u>closest to the meaning</u> of the word given below.

ADO

Ops: A.   ○ Punishment
         B.   ○ Peace
         C.   ○ Aid
         D.   ○ Fuss

Q 15 Mark the option which is <u>closest to the meaning</u> of the word given below.

AFFECT

Ops: A.   ○ Cause
         B.   ○ Sicken
         C.   ○ Accomplish
         D.   ○ Influence

Read the passage given below and answer the questions that follow:

Our body is a wondrous mechanism and when subjected to unusual stress over a period of time, it adapts itself to deal more effectively with that stress. Therefore, when you exert your muscles against resistance, they are forced to adapt and deal with this extraordinary workload. This is the principle of weight training. Strands of muscle fibers become thicker and stronger in response to the demands placed on them.

One of the great merits of weight training is the strength of your heart. During weight training, your heart is forced to beat faster and stronger in order to pump sufficient blood to the muscles being worked. In time, your heart, like your body, will adapt to this extra workload by becoming stronger and more efficient. Since, your body needs a given amount of blood to perform its daily tasks, your heart will now need fewer beats to pump the same quantity of blood. Sounds good? There's more. Your entire circulatory system is given a thorough workout every time you exercise, which increases its overall efficiency. Even the neural paths from your brain's command centers to each individual muscle become more effective, enabling easier recruitment of muscle fibers for carrying out physical tasks. In essence, your body becomes a well-oiled and finely-tuned piece of machinery, whirring along without any breakdown. In today's stress-filled world, you need all the help you can get.

Q 16 The principle of weight training is:

Ops: A. ○ helping the body adapt to increased stress

B. ○ training muscles to exert more pressure

C. ○ disposing of extra workload

D. ○ thickening of the body through extra consumption

Q 17 Weight training makes the muscles:

Ops: A. ○ become intense

B. ○ thicker and stronger

C. ○ become stranded

D. ○ resist workload

Q 18 During weight training, the heart pumps:

Ops: A. ○ less blood

B. ○ required blood

C. ○ more blood

D. ○ an extraordinary amount of blood

Q 19 Fill in the blank(s) with the most suitable option.

The speaker asked the audience if they will mind _____ off their cellphones.

Ops: A. ○ to turn

B. ○ turn

C. ○ turning

D. ○ having turn

Q 20 Fill in the blank(s) with the most suitable option.

John's nervous because he _____ such a difficult test before.

Ops: A. ○ never taken

B. ○ has never taken

C. ○ None of the mentioned options

D. ○ never take

Q 21 In a certain code language, some group of words are coded as follows. All the different words have different results in the code language.

"all monkeys like bananas " as "kill bill till shall"
"some lions like monkeys " as "bill shall hill mill"
"humans like some bananas " as "hill fill shall kill"

Which of the following words is encoded as "till"?

Ops: A. ○ like
B. ○ monkeys
C. ○ bananas
D. ○ all

Q 22 In the following series of digits how many even numbers are immediately preceded or immediately followed by 0?

0 6 5 2 4 3 1 0 9 3 5 2 4 3 6 8 4
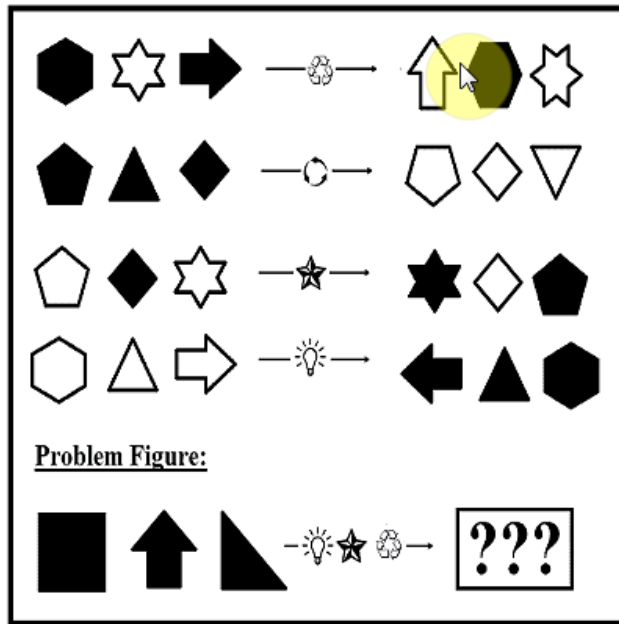
Ops: A. ○ Three
B. ○ Four
C. ○ Two
D. ○ One

Q 23 Which of the given options **cannot** be formed using the letters of the following set only once?

{a, c, w, n, t, e, r, s, b, i, k}

Ops: A. ○ ROAST
B. ○ SWEAT
C. ⦿ WEARS
D. ○ RITES
reset answer

Q 24 Which of the given options **cannot** be formed using the letters of the following set only once?

{a, c, w, n, t, e, r, s, b, i, k}

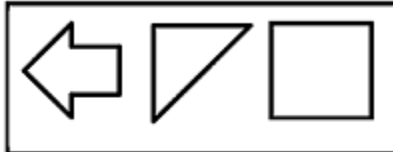Ops: A. ○ BROKEN
B. ○ RENTS
C. ⦿ BRICK
D. ○ STRIKE
reset answer

Q 25 Identify the transition pattern in the image below and solve for the problem figure based on the deduction:
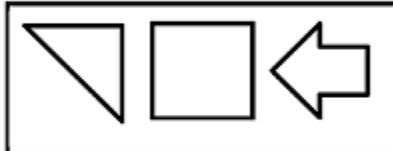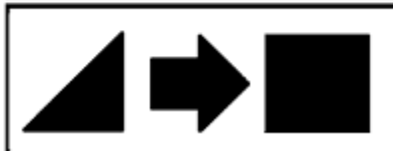

Problem Figure:

Ops: A. ○

B. ○

C. ○

D. ◉

E. ○

F. ○

reset answer

Q 26 If P + Q means P is the brother of Q; P x Q means P is the father of Q and P - Q means P is the sister of Q, which of the following relations shows that **I is the niece of K?**

Ops: A. ⚪ **K x Y + I - Z**

B. ⚪ **Z - I x Y + K**

C. ⚪ **K + Y x I - Z**

D. ⚪ **K + Y + Z - I**

Q 27 In the following question(s), symbols #, @, $, % and * are used with different meanings as follows:

'A # B' means 'A is not smaller than B'.
'A $ B' means 'A is not greater than B'.
'A % B' means 'A is neither greater than nor equal to B'.
'A @ B' means 'A is neither greater than nor equal to B'.
'A * B' means 'A is neither smaller than nor greater than B'.
Now assuming in the following question the given statements to be true, find which of the given conclusions given below them is/are definitely true and give your answer accordingly.

Statements:
I. H % L
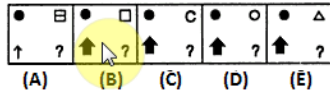II. L * G
III. G # M

Conclusions:
I. H # M
II. H % G

Ops: A. ⚪ Only conclusion I follows.

B. ⚪ Only conclusion II follows.

C. ⚪ Both conclusion I and conclusion II follow.

D. ⚪ Neither conclusion I nor conclusion II follows.

Q 28 In the following question, a portion from the **Problem figure** is missing. Complete the missing portion by selecting the correct option from the **Response figures** (A), (B), (C), (D) and (E).

Problem figure:

Response figure:

Ops: A. ⚪ (A)

B. ⚪ (D)

C. ⚪ (C)

D. ⚪ (E)

E. ⚪ (B)

Q 29 Below is/are given statement/s followed by (two) conclusions. Take the given statement/s to be true, even if they contradict commonly known facts, and determine the conclusion/s that logically follow/s from the statement/s.

Statement(s):
I. Some girls are flowers.
II. Some flowers are books.

Conclusions:
I. All girls are books.
II. No book is a girl.

Ops: A. ⚪ Only conclusion I follows

B. ⚪ Only conclusion II follows

C. ⚪ Both conclusion I and conclusion II follow

D. ⚪ Neither conclusion I nor conclusion II follows

Q 30 Below is/are given statement/s followed by some conclusions. Take the given statement/s to be true, even if they contradict commonly known facts, and determine the conclusion/s that logically follow/s from the statement/s.

Statements:
I. Some burger are pizzas.
II. All pizzas are pepsi.
III. Some pepsi are coke.
IV. All coke are tea.

Conclusions:
I. Some tea are pepsi.
II. Some coke are pizza.

Ops: A. ○ Only conclusion I follows
B. ○ None follows
C. ○ Both conclusion I and conclusion II follow
D. ○ Only conclusion II follows

Q 31 Pointing to a gentleman, Wasim said, "His only brother is the father of my daughter's father". How is the gentleman related to Wasim?

Ops: A. ○ Grandfather
B. ○ Father
C. ○ Uncle
D. ○ Brother-in-law

Q 32 If in a certain code language, "HOMESICK" is coded as "FNPILDJT", then how would "COUNTING" be coded in the same code language?

Ops: A. ○ OUPDHPJU
B. ○ OUPDHOIU
C. ● OVPDHOJU
D. ○ OVPDHPJV

Read the following information carefully and answer the questions that are given below it:

8 members M, N, A, B, S, L, G and H belonging to 3 families I, II and III go for a vacation by 3 different flights Fair India, Zindigo and Spacejet. 4 out of 8 members are females. Members of any one family travel by different flights. Each flight has at least 1 male and at least 1 female member. Each family has at least 2 members.

M belongs to family II and he travels by Spacejet. B is wife of S and they travel by Fair India and Zindigo respectively. N is wife of G and has a son H. Also all three of them belong to family III. L is wife of M and has a daughter A. A travels by Zindigo. G does not travel with L.

Q 33 Which of the following do not travel by the same flight?

Ops: A. ○ B and L
B. ○ N and M
C. ○ A and S
D. ○ A and H

Q 34 Which two members from the family II and III (one from each) travel by the same flight?

Ops: A. ○ A and N
B. ○ M and H
C. ○ G and L
D. ○ A and G

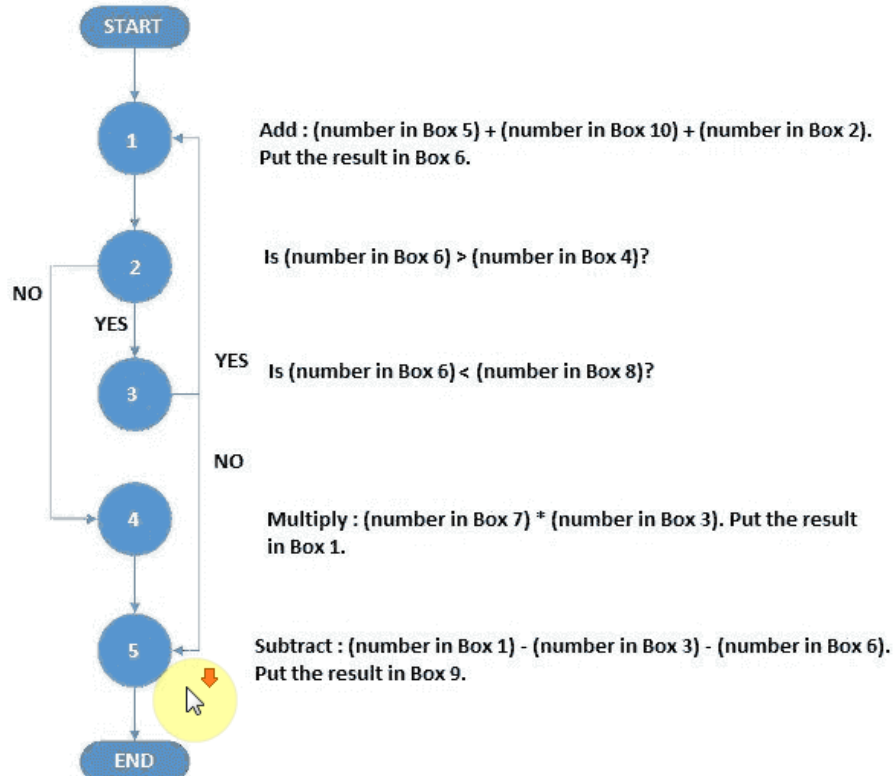**Q 35** Find the missing term in the following series.

17, 39, 84, **?**, 358, 725

Ops: A. ○ 175
B. ○ 185
C. ○ 195
D. ○ 205

Study the flow given in the following diagram and answer the questions that follow.

Box No.

1	2	3	4	5	6	7	8	9	10
10	25	6	9	13	2	19	17	3	12

START

1 — Add : (number in Box 5) + (number in Box 10) + (number in Box 2). Put the result in Box 6.

2 — Is (number in Box 6) > (number in Box 4)?

NO

YES

3 — YES Is (number in Box 6) < (number in Box 8)?

NO

4 — Multiply : (number in Box 7) * (number in Box 3). Put the result in Box 1.

5 — Subtract : (number in Box 1) - (number in Box 3) - (number in Box 6). Put the result in Box 9.

END

Q 36 What number is stored in Box 1 at the end of the flowchart?

Ops: A. ○ 9
B. ○ 114
C. ● 10
D. ○ 50

reset answer

Q 37 Is (number in Box 6) greater than (number in Box2)?

Ops: A. ○ No
B. ○ Cannot be determined
C. ○ Yes

Q 38 In the given flowchart, numbers in all of the following Boxes will change; except:

Ops: A. ○ Box 1

B. ○ Box 9

C. ○ None of the mentioned options

D. ○ Box 6

Q 39 What number is stored in Box 9 at the end of the flowchart?

Ops: A. ○ -66
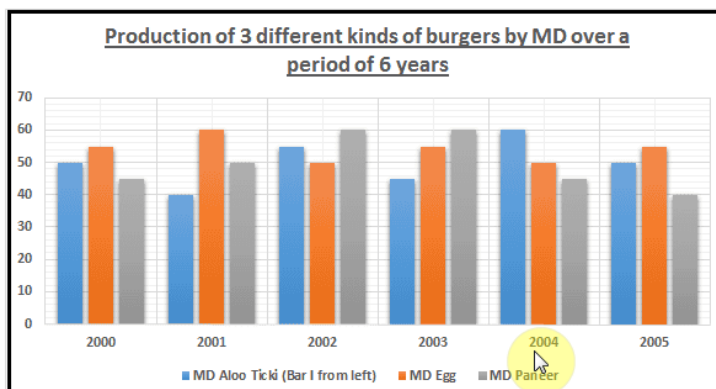
B. ○ 66

C. ○ -46

D. ○ 46

Q 40 Find the missing term(s) in the series given below:

ABY, CDW, EFU, GHS, ?

Ops: A. ○ IJQ

B. ○ IJK

C. ○ IKP

D. ○ IJR

MD produces burgers of different types. In the graph below three different types of burger given are- MD Aloo Ticki, MD Egg and MD Paneer. The production of three burgers over a period of 6 years in lakh units has been illustrated in the graph below. Study the graph carefully and answer the questions that follow.

Q 41 The total production of burger MD Paneer in 2002 and 2003 is what percent of the total production of Burger MD Aloo Ticki in 2000 and 2001?

Ops: A. ○ 115.55%

B. ○ 133.33%

C. ○ 122.22%

D. ○ 96.67%

Q 42 For which burger among the given three burgers was the average yearly production maximum in the given period?

Ops: A. ○ MD Aloo Ticki and MD Egg

B. ○ MD Paneer

C. ○ MD Aloo Ticki

D. ○ MD Egg

Q 43 Calculate the difference between the average production of burger MD Aloo Ticki in 2000, 2001 and 2002 and the average production of Burger MD Egg in 2003, 2004 and 2005.

Ops:
- A. ○ 6,00,000 units
- B. ○ 3,00,000 units
- C. ○ 5,00,000 units
- D. ○ 2,00,000 units

Q 44 A locker can be opened using a four digit number. What is the probability to open the locker, if one knows that one of the number in the combination is 4?

Ops:
- A. ○ 1/1500
- B. ○ 1/2445
- C. ○ 1/3155
- D. ○ 1/4000

Q 45 $2^{1/2} * 4^{3/4}$ is equal to:

Ops:
- A. ○ a fraction
- B. ○ an integer
- C. ○ 1
- D. ○ None of the mentioned options

Q 46 The ratio of two numbers is 5 : 9 and the difference between the two numbers is 40. What is the sum of the numbers?

Ops:
- A. ○ 140
- B. ○ 150
- C. ○ 170
- D. ○ 160

Q 47 P can dig a well in 5 hours. He invites Q and R, who together can dig $(5/4)^{th}$ as fast as he can, to join him. He also invites S and T, who together can dig $(8/5)^{th}$ as fast as he can, to join him. If these five people start digging the same well and they start together, how long will it take for them to finish the job?

Ops:
- A. ○ 100/74 hours
- B. ○ None of the mentioned options
- C. ○ 100/77 hours
- D. ○ 100/75 hours

Q 48 A central angle measuring M^0 intercepts an arc in a circle of radius r cm. The length of the subtended arc is 8π cm. The area of the sector formed by (and including) the angle is 48π cm^2. Evaluate (M/r).

Ops:
- A. ○ 10
- B. ○ 5
- C. ○ 20
- D. ○ 40

Read the information given below and answer the questions that follow.

$p(a) = a^2 + a$
$q(a) = 3a$
$r(a) = a + 9$

Q 49 Find the value of ropoq at a = -1.

Ops:
- A. ○ 15
- B. ○ 342
- C. ○ 600
- D. ○ 9

Q 50 Find the value of poq(2) - qor(0) + por(-1).

Ops: A. ○ 42
B. ○ 72
C. ○ 114
D. ○ 87

Q 51 A dealer sold a radio at a loss of 2.5%. Had he sold it for Rs. 100 more, he would have gained 7.5%. For what value should he sell it in order to gain 25/2%?

Ops: A. ○ Rs. 1,125
B. ○ Rs.1,127
C. ○ Rs. 1,124
D. ○ Rs. 1,126

Q 52 The ratio of the prices of two type of cars was 16 : 23. Two years later, when the price of the first has increased by 10% and that of the second by Rs. 477, the ratio of the prices becomes 11 : 20. Find the former prices of the two type of cars.

Ops: A. ○ Rs. 748, Rs. 1319
B. ○ None of the mentioned options
C. ○ Rs. 948, Rs. 1119
D. ○ Rs. 848, Rs. 1219

Q 53 The sum of "n" terms of $1 \times 4 + 3 \times 7 + 5 \times 10 + \ldots$ is:

Ops: A. ○ $\left(\dfrac{n}{6}\right)\left(4n^2 - 5n - 1\right)$

B. ○ $\left(\dfrac{n}{2}\right)\left(4n^2 + 5n - 1\right)$

C. ○ $n\left(4n^2 + 5n - 1\right)$

D. ○ None of the mentioned options

Q 54 If the circumradius of an equilateral triangle is 14 cm, then the measure of its in-radius is:

Ops: A. ○ 9 cm
B. ○ 5 cm
C. ○ 11 cm
D. ○ 7 cm

Q 55 Sachin deposited Rs. 1,00,000 in his bank for 2 years at a simple interest of 6%. How much interest would he earn? How much would be the final value of deposit?

Ops: A. ○ Rs. 11,600, Rs. 1,11,600
B. ○ Rs. 15,000, Rs. 1,15,000
C. ○ Rs. 12,000, Rs. 1,12,000
D. ○ Rs. 6,000, Rs. 1,06,000

Q 56 If the diagonal of a square is $\sqrt{6}$ units, then determine the area of the square.

Ops: A. ○ 4 sq. units
B. ○ 5 sq. units
C. ● 3 sq. units
D. ○ 6 sq. units

Q 57 Simplify:

$$\left[\frac{1}{log_{ab}(abc)} + \frac{1}{log_{bc}(abc)} + \frac{1}{log_{ca}(abc)}\right]$$

Ops: A. ○ 0

B. ○ 1

C. ○ -1

D. ○ 2

Q 58 Two friends, in their respective cars, start at the same time from Charlton and Craig and proceed towards each other at the rate of 48 kmph and 58 kmph respectively. When they meet , it is found that one person has travelled 12 km more than the other. Find the approximate distance between Charlton and Craig.

Ops: A. ○ 127 km

B. ○ 110 km

C. ○ 100 km

D. ○ 117 km

Q 59 Two bullets were fired from the same place at an interval of 13 minutes but a person in a train approaching the place hears the second report 12 minutes 30 seconds after the first. Find the speed of the train.

(Assume that sound travels at 330 m/s)

Ops: A. ○ 48.5 kmph

B. ○ 46 kmph

C. ○ 47.52 kmph

D. ○ 48 kmph

Q 60 How many four digit even numbers can be formed with the digits 0, 3, 5, 4 and 2 if repetition of digits is allowed?

Ops: A. ○ 196

B. ○ 375

C. ○ 180

D. ○ 300