SSC CGL 13 June 2019 Shift-3
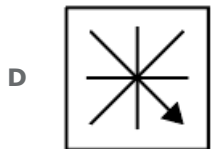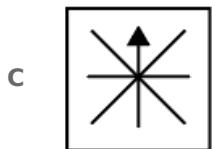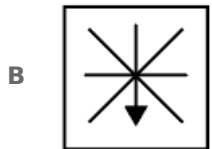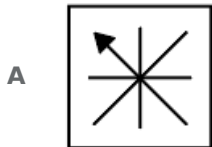
Reasoning

Instructions

For the following questions answer them individually

Question 1

Select the figure that will come next in the following figure series.

A

B

C

D
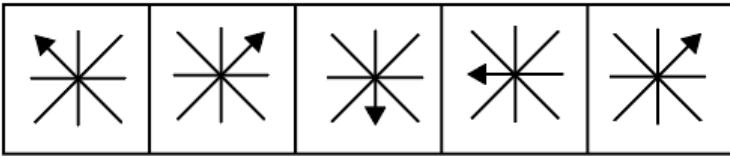
Answer: D

Question 2

ACCIDENT is related to TNEDICCA in the same way as PASSENGER is related to *_

A   REGMESSAP

B   RGENESSAP

C   REGNESSAP

D   REGNSESAP

Answer: C

Question 3

Select the letter-clusterthat is related to the third letter-cluster in the same way that the second letter-cluster is related to the first letter-cluster.
AFKP : BGLQ :: GLQV: ?

A HMPW

B HKRW

C HMRW

D HNRW

   Answer: C

Question 4

Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd number-pair out.

A 123 : 11

B 144 : 12

C 225 : 15

D 196 : 14

   Answer: A

Question 5

Select the term that will come nextin the followingseries.
11, 13, 17, 23, 31, 41, 53, 67, 83, ?

A 100

B 101

C 110

D 97

   Answer: B

Question 6

Select the word-pair in which the two wordsare related in the same way asthe two words in the following word-pair.
School : Student:: .... : ....

A College : Teacher

B Court : Judge

C Hospital : Patient

D Hotel : Chef

   Answer: C

Question 7

In a code language, FRIEND is written as GQJDOC. How will PEACE bewritten in that language?

A ODBBF

B QDBDF

C QDBBF

D QFBBF

   Answer: C

Question 8

If 'J' is coded as '20' and 'BAT" is coded as '46' then how will 'CRICKET'be coded?

A 138

B 158

C 142

D 140

   Answer: A

Question 9

Select the option that is related to the third number in the same way as the second number is related to the first number.
19 : 400 :: 24 : ....

A 566

B 676

C 652

D 625

   Answer: D

Question 10

Which two signs should be interchanged to make the following equation correct?
$20 \div 20 + 20 - 25 \times 25 = 419$

A $\div \ and \ \times$

B $+ \ and \ \div$

C $+ \ and \ -$

D $\times \ and \ -$

   Answer: A

Question 11

Select the option that will fill in the blank and complete the given series.
0, 7, 26, 63, 124, 215, 342, 511, 728, ...

A   996

B   1001

C   999

D   1000

   Answer: C

Question 12

Select the option that will fill in the blank and complete the given series.
2, 5, 10, 17, 26, 37, ... , 65, 82, 101

A   54

B   48

C   51

D   50

   Answer: D

Question 13

Three of the following four words are alike in a certain way and oneis different. Pick the odd one out.

A   Terminology

B   Cardiology

C   Pedology

D   Seismology

   Answer: A

Question 14

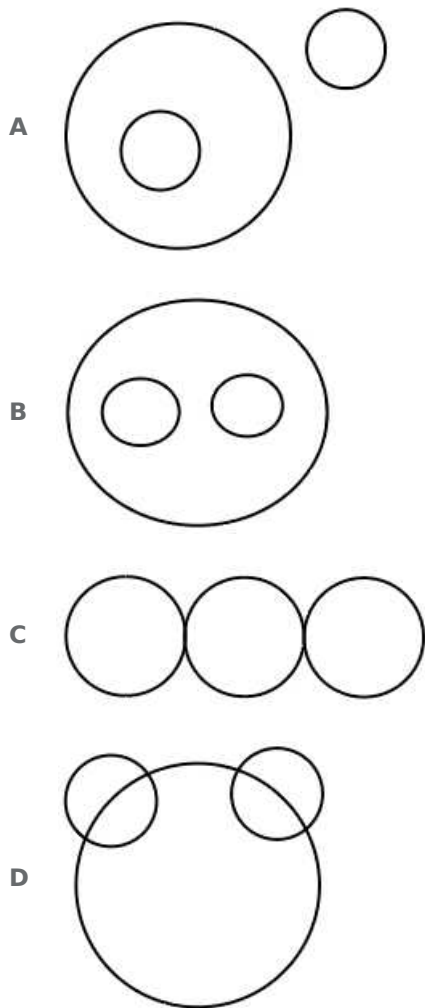If you wrote downall the numbers from 1 to 99, then how manytimes would you have written '7'?

A   19

B   20

C   21

D   11

   Answer: B

Question 15
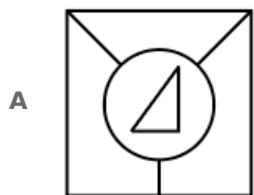
Choose the Venn diagram which best illustrates the relationship amongthe three given classes:
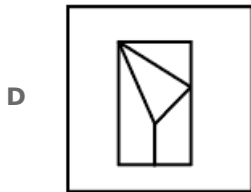Fruit, Vegetable, Apple

A

B

C

D

   Answer: A

Question 16

Select the figure in which the given figure is embedded.

A

B

C

D
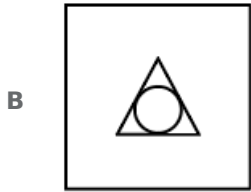
Answer: C

Question 17

Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to beat variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
No grass is a flower.
All flowers are trees.
Conclusions:
I. Some trees are flowers.
II. Some trees are grasses.
III. No tree is a grass.

A Either conclusions II or III, and I follow

B Only conclusion I follows

C Only conclusion III follows

D Either conclusion II or III follows

Answer: A

Question 18

Given here is a square transparent sheet with a pattern on it. How would the pattern appear when the transparent sheet is folded on the dotted line?

A

B

C

D
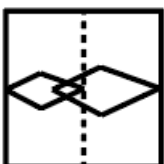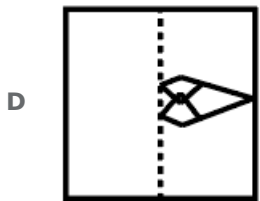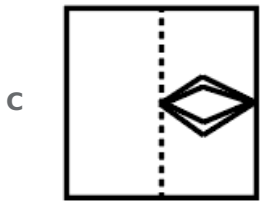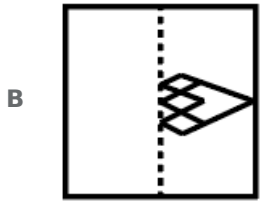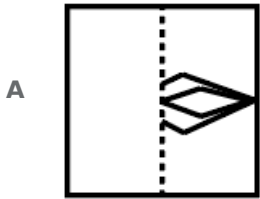
Answer: B

Question 19

A cube coloured pink onall faces is cut into 27 small cubes of equal sizes. How many cubesare painted on one face only?

A 3

B 6

C 8

D 4

Answer: B

Question 20

How many triangles are there in the following figure?
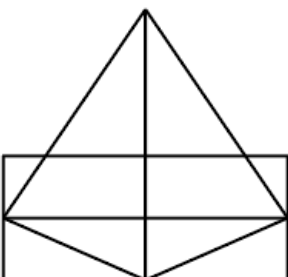
A 10

B 12

C 15

D 9

Answer: C

Question 21

Select the correct mirror image of the following word when the mirror is placed to the right of the word.

HINT

A ТИІН

B ТІИН

C ТNІН

D HINT

Answer: A

Question 22

Arrange the following wordsin a logical and meaningful order.
1. Rajasthan
2. India
3. Jaipur
4. North India
5. Asia

A 1, 3, 4, 2, 5

B 3, 1, 4, 2, 5

C 3, 1, 2, 4, 5

D 1, 3, 2, 4, 5

Answer: B

Question 23

Three of the following four letters are alike in a certain way and oneis different. Pick the odd one out.

A U

B I

C E

D V

Question 24

Introducing Kavi, Veena said, "Sheis the sister of the son of the wife of my husband". How is Veena related to Kavi?

A   Sister

B   Daughter

C   Aunt

D   Mother

   Answer: D

Question 25

Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series
_c_bd_cbcda_a_db_a

A   acbcad

B   cdebad

C   bdbcba

D   adabed

   Answer: D

General knowledge

Instructions
For the following questions answer them individually

Question 26

The Khadi and Village Industries Commission Act was passed in the year _____.

A   1965

B   1956

C   1964

D   1948

   Answer: B

Question 27

Name the smallest district in India.

A   Hailakandi

B   Mahe

C   Alirajpur

D   Guntur

   Answer: B

Question 28

Who was the first Indian to win the Miss Universe title?

A   Reita Faria

B   Persis Khambatta

C   Sushmita Sen

D   Madhu Sapre

   Answer: C

Question 29

Name the western most point of India.

A   Ghuar Mota

B   Amreli

C   Bharuch

D   Dahod

   Answer: A

Question 30

**_____ is a hearing-impaired Indian golfer who won her first professional title at the age
of 18. In March 2019, she became the second Indian woman golfer to win on the 'Ladies European Tour'.**

A   Diksha Dagar

B   Gursimar Badwal

C   Aditi Ashok

D   Vani Kapoor

   Answer: A

Question 31

Wilson's disease is an inherited disorder in which excessive amounts of _____ accumulate in the body.

A   sodium

B calcium

C iron

D copper

Answer: D

Question 32

Name the oldest operating port in India built by the British East India Company.

A Chennai Port

B Kolkata Port

C Mumbai Port

D Vishakapatnam Port

Answer: B

Question 33

An adult human body has _____ bones.

A 208

B 206

C 312

D 300

Answer: B

Question 34

_____ was named the cleanest city in the 'Swachh Survekshan Survey 2019'.

A Indore

B Ujjain

C Mysuru

D Surat

Answer: A

Question 35

People above the age of _____ years are NOT eligible for the Pradhan Mantri Shram Yogi Mandhan Yojana.

A 60

B 40

C 50

D 45

Answer: B

Question 36

_____ is the hottest planet in the solar system.

A Mercury

B Earth

C Mars

D Venus

Answer: D

Question 37

The Pradhan Mantri Shram Yogi Mandhan Yojana ensures old age protection for unorganised workers whose monthly income is less than or equal to _____.

A ₹10,000

B ₹12,000

C ₹15,000

D ₹20,000

Answer: C

Question 38

The Ayushman Bharat Scheme introduced by the Government of India provides medical coverage of upto ₹ _____ per family per year.

A 5 lakhs

B 2 lakhs

C 7 lakhs

D 1 lakh

Answer: A

Question 39

Which team won the Ranji Trophy 2018-19?

A Vidarbha

B Kerala

C Saurashtra

D Karnataka

Answer: A

Question 40

Which of the following is NOT a part of the 'Char Dham Yatra' in North India?

A Vaishno Devi

B Badrinath

C Kedarnath

D Gangotri

Answer: A

Question 41

The movement of the local farmers of Bardoli in Gujarat against the British in 1928 was led by _____.

A Lal Bahadur Shashtri

B Vallabhbhai Patel

C Lokmanya Tilak

D Jawaharlal Nehru

Answer: B

Question 42

The Micro, Small and Medium Enterprises Development Act was passed in the year
____.

A 2008

B 2006

C 2004

D 2002

Answer: B

Question 43

The East India Company sent Captain Will i am Hawkins to the court of Emperor _____ in 1608 to seek permission to open a factory at Surat.

A Jahangir

B Humayun

C Akbar

D Shah Jahan

Answer: A

Question 44

What was the historical name of the city of Guwahati?

A   Purushapura

B   Pragjyotishpur

C   Machilipattnam

D   Bhagyanagara

   Answer: B

Question 45

The 'Instrument of Surrender' which ended the Portuguese rule in India was signed on _____.

A 19th December 1961

B 29th December 1951

C 15th August 1947

D 26th January 1948

   Answer: A

Question 46

As of 2018, India is the leading milk producing country in the world, accounting for approximately _____ of the global market share.

A   22%

B   19%

C   15%

D   17%

   Answer: B

Question 47

In 2015, aircraft maker Boeing developed a metal called _____, which is lighter than air and stronger than steel.

A   Molybdenum

B   Titanium

C   Microlattice

D   Iridium

   Answer: C

Question 48

_____ was the first Chief Election Commissioner of India.

A M S Gill

B T N Seshan

C Sukumar Sen

D Sunil Arora

Answer: C

Question 49

The approximate diameter of the sun is _____ times the diameter of Earth.

A 92

B 109

C 123

D 146

Answer: B

Question 50

During the Sao Joao festivities, Goans present _____ to each other.

A fruits

B beer

C fish

D flowers

Answer: A

Quant

Instructions
For the following questions answer them individually

Question 51

Table shows the percentage distribution of the expenditure incurred on different items for publishing a book.

Items of Expenditure	Percentage of expenditure
Paper	25
Printing	20
Binding	20
Royalty	15
Promotion	10
Transportation	10

Expenditure on Royalty is less than that on Printing by:

A   10%

B   20%

C   25%

D   15%

   Answer: C

Question 52

A starts walking at 4 kmph and after 4 hours, B starts cycling from the same pointas that of A, in the same direction at 10 kmph. After how much distance from thestarting point will B catch up with A (Correct to two decimal places)?

A   25.67 km

B   26.67 km

C   24.67 km

D   23.67 km

   Answer: B

Question 53

Table shows the annual Expenditure of a Company (in Lakh Rupees) over the years.

Item of expenditure → Year ↓	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

What is the average amount of Interest on loans (in Lakh rupees) which the company paid during the period 1998 to 2002?

A 34.18

B 33.72

C 32.43

D 36.66

Answer: D

Question 54

Table shows the percentage of marks obtained by seven students in six different subjects in an examination. The numbers in the brackets are the maximum marks in each subject.

Student	Subject(Max.Marks)					
	Maths (150)	Chemistry (130)	Physics (120)	Geography (100)	History (60)	Computer Science (40)
A	90	50	90	60	70	80
B	100	80	80	40	80	70
C	90	60	70	70	90	70
D	80	65	80	80	60	60
E	80	65	85	95	50	90
F	70	75	65	85	40	60
G	65	35	50	77	80	80

What are the average marks obtained by all the seven students in Physics? (Correct to two decimal places)

A 89.14

B 91.16

C 77.26

D 93.14

Answer: A

Question 55

Table shows the sales of books (in thousands) from six branches of a publishing company during 2000 and 2001.

Branches → Year ↓	B1	B2	B3	B4	B5	B6
2000	80	75	95	85	75	70
2001	105	65	110	95	95	80

What is the total sales of books from branches B1, B3 and B6 together for both the years (in thousands)?

A 240

B 310

C 650

D 540

  Answer: D

Question 56

If 85% of a number is added to 75, then the result is the numberitself. The number is:

A 500

B 200

C 100

D 300

  Answer: A

Question 57

The value of $\left[\frac{\sin^2 24°+\sin^2 66°}{\cos^2 24°+\cos^2 66°} + \sin^2 61° + \cos 61° \sin 29°\right]$ **is:**

A 1

B 3

C 2

D 0

  Answer: C

Question 58

ABCD is a cyclic quadrilateral such that AB is the diameter of the circle circumscribing it and $\angle$**ADC =** $129°$
. Then, $\angle$**BAC is equal to:**

A $61°$

B $49°$

C $39°$

D $51°$

  Answer: C

Question 59

The average of 27 numbers is zero. Out of them, how many maybe greater than zero, at the most?

A 0

B 26

C 20

D 15

Answer: B

Question 60

PA and PB are tangents to a circle with centre O, from a point P outside the circle, and A and B are points on the circle. If $\angle APB = 40°$, then $\angle OAB$ is equal to:

A $40°$

B $20°$

C $50°$

D $25°$

Answer: B

Question 61

3 men, 4 women and 6 boys together can complete a work in 6 days. A woman doestriple the work a man does and a boy does half the work a man does. How many women alone will be able to complete this work in 4 days?

A 7

B 8

C 6

D 9

Answer: D

Question 62

What is the difference between a single discount of 30% and a single discount equivalent to two successive discounts of 25% and 5%, being given on shopping of ₹2,000?

A ₹20

B ₹25

C No difference

D ₹15

Answer: B

Question 63

A sphere of radius 6 cm is melted and recast into spheres of radius 2 cm each. How many such spheres can be made?

A 25

B 27

C 36

D 24

Answer: B

Question 64

If a sum amounts to ₹2,190 in four years and ₹2,409 in five years at compound interest, when the interest is compounded yearly, then the annual rate of interest is:

A 11%

B 10%

C 9%

D 8%

Answer: B

Question 65

Whenan integer n is divided by 8, the remainder is 3. What will be the remainder if 6n-1 is divided by 8 ?

A 2

B 0

C 4

D 1

Answer: D

Question 66

If $a^3 - b^3 = 208 \, and \, a - b = 4, \, then \, (a + b)^2 - ab$ is equal to:

A 52

B 42

C 32

D 38

Answer: A

Question 67

If $x + \frac{1}{x} = 5, \, then \, x^3 + \frac{1}{x^3}$ is equal to:

A 130

B 110

C 145

D 125

  Answer: B

Question 68

If $3\cos^2 A + 7\sin^2 A = 4$, then what is the value of $\cot A$, given that A is an acute angle?

A 1

B $\frac{\sqrt{3}}{2}$

C $\frac{1}{\sqrt{3}}$

D $\sqrt{3}$

  Answer: D

Question 69

If $(x-5)^3 + (x-6)^3 + (x-7)^3 = 3(x-5)(x-6)(x-7)$, then what is the value of x ?

A 5

B 6

C 18

D 7

  Answer: B

Question 70

If $\tan x = \cot(45° + 2x)$, then what is value of x?

A $15°$

B $20°$

C $45°$

D $\frac{45°}{2}$

  Answer: A

Question 71

If the selling price of 40 articles is equal to the cost price of 50 articles, then the percentage loss or gain is:

A 20% loss

B 25% loss

C 20% gain

D 25% gain

Answer: D

Question 72

In △ABC, ∠A = 50°. Its sides AB and AC are produced to the point D and E. If the bisectors of the ∠CBD and ∠BCE meet at the point O, then ∠BOC will be equal to:

A   40°

B   65°

C   75°

D   55°

   Answer: B

Question 73

A earns ₹180 per hour and works for 7 hours per day. B earns ₹160 per hour and works for 5 hours per day. What is the ratio of per day wages of A and B?

A   40 : 61

B   63 : 40

C   20 : 30

D   33 : 20

   Answer: B

Question 74

If the radius of the circumcircle of an equilateral triangle is 8 cm, then the measure of radius of its incircle is:

A   16cm

B   4cm

C   12cm

D   8 cm

   Answer: B

Question 75

$9\frac{3}{4} \div \left[2\frac{1}{6} \div \left\{ 4\frac{1}{3} - \left(2\frac{1}{2} + \frac{3}{4} \right) \right\} \right]$ is equal to:

A $\frac{15}{4}$

B $\frac{39}{8}$

C   4

D   3

Answer: B

English

Instructions

For the following questions answer them individually

Question 76

Select the most appropriate antonym of the given word.
ILLUMINATE

A   add

B   erase

C   light

D   darken

   Answer: D

Question 77

Select the correct passive form of the given sentence.
Ananya plucks fresh flowers from the garden every day.

A   Fresh flowers have been plucked by Ananya from the garden every day.

B   Fresh flowers were plucked by Ananya from the garden every day.

C   Fresh garden is plucked by Ananya from the flowers every day.

D   Fresh flowers are plucked by Ananya from the garden every day.

   Answer: D

Question 78

Select the most appropriate option to fill in the blank.
Colours, they say have the power to calm, pacify and relax; they can energise, activate and _____.

A   involve

B   envigorate

C   enrage

D   interest

   Answer: B

Question 79

Select the word which means the same as the group of words given.
An instrument for measuring the atmospheric pressure

A   altometer

B   barometer

C   ammeter

D   thermometer

   Answer: B

Question 80

Select the most appropriate option to fill in the blank.
In ancient Greece, women were not allowed to _____ in the Olympic Games.

A   comply

B   collide

C   compete

D   cope

   Answer: C

Question 81

Select the most appropriate synonym of the given word.
FUSE (Verb)

A   correct

B   break

C   unused

D   combine

   Answer: D

Question 82

Select the correctly spelt word.

A   jewlry

B   scramble

C   defnition

D   acceptence

   Answer: B

Question 83

Select the most appropriate synonym of the given word.
ATTRIBUTE

A   quality

B   praise

C   respect

D   speech

   Answer: A

Question 84

Select the most appropriate meaning of the underlined idiom in the given sentence.
The dog played in the pond <u>to his heart's content.</u>

A   avoiding getting too wet

B   till he was completely sick

C   as much as he wanted to

D   only upto his legs

   Answer: C

Question 85

Select the most appropriate meaning of the underlined idiom in the given sentence.
"These glasses <u>suit you to a T</u> ," said Ria to Vandana.

A   look very good on your face

B   need to be worn with a suit

C   make you look weird

D   are not suitable for your work

   Answer: A

Question 86

In the sentence identify the segment which contains the grammatical error.
Entering the hall, the show had started.

A   had started

B   the hall

C   Entering

D   the show

   Answer: C

Question 87

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.
An old misunderstanding <u>exists among the two families</u> , so they are not friendly any more.

A will exist among the two families

B exists between the two families

C has exist within the two families

D No improvement

  Answer: B

Instructions

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Comprehension:
Dusk sets in at the Varagaliar elephant camp deep within the Anamalai Tiger Reserve (ATR). It's dinner time for the 25-year-old tusker and he's (1)_____ balls made of steamed ragi flour mixed (2)_____ some rice, green gram, salt and jaggery. (3)_____ are half-a-dozen Forest Department (4)_____ around, including V. Ganesan, the Field Director (5)_____ ATR.

Question 88

Select the most appropriate option to fill in blank No.(1)

A feeding

B feeds

C fed

D feed

  Answer: C

Question 89

Select the most appropriate option to fill in blank No.(2)

A by

B of

C with

D from

  Answer: C

Question 90

Select the most appropriate option to fill in blank No.(3)

A Here

B There

C Everywhere

D Nowhere

Answer: B

Question 91

Select the most appropriate option to fill in blank No.(4)

A employee

B officials

C person

D ministers

Answer: B

Question 92

Select the most appropriate option to fill in blank No.(5)

A on

B between

C among

D of

Answer: D

Instructions
For the following questions answer them individually

Question 93

Given below are four jumbled sentences. Select the option that gives their correct order.
A. Once the formalities are done, you can start using your account and save time and money.
B. Opening a bank account can seem intimidating.
C. Getting your account opened is just a matter of providing certain details and funding your account.
D. Fortunately, most banks follow a standardized process.

A CBDA

B ADBC

C BDCA

D BADC

Answer: C

Question 94

In the sentence identify the segment which contains the grammatical error.
"I done a lot of work today," she said.

A a lot of

B work today

C she said

D I done

   Answer: D

Question 95

Select the correctly spelt word.

A choose

B chooze

C chooj

D chuse

   Answer: A

Question 96

Given below are four jumbled sentences. Select the option that gives their correct order.
A. A man on a bike had to ride on the pavement.
B. When he tried to plunge onto the road, a car hit him.
C. As the bus inched through the evening life, the traffic grew.
D. There was no space on the road any more.

A CDAB

B CBAD

C ADBC

D DBCA

   Answer: A

Question 97

Select the word which means the same as the group of words given.
The part of a country's government responsible for its legal system

A judiciary

B legislature

C executive

D police

   Answer: A

Question 98

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.
Scarcely had he gone out than a client came to meet him.

A   he had go out when

B   he had gone out than

C   No improvement

D   had he gone out when

   Answer: D

Question 99

Select the correct active form of the given sentence.
Dinesh was looked after by his grandmother when his parents went abroad.

A   Dinesh's grandmother looks after him when his parents went abroad.

B   Dinesh's grandmother was looking after him when his parents went abroad.

C   Dinesh's grandmother looked after him when his parents went abroad.

D   Dinesh looked after his grandmother when his parents went abroad.

   Answer: C

Question 100

Select the most appropriate antonym of the given word.
DEFICIT

A   surplus

B   adhere

C   remove

D   credit

   Answer: A