

SSC CGL 10 June 2019 Shift-3

Reasoning

Instructions

For the following questions answer them individually

Question 1

Which two signs should be interchanged to make the given equation correct?

$$16 + 3 - 5 \times 2 \div 4 = 9$$

A \times and $-$

B \div and $+$

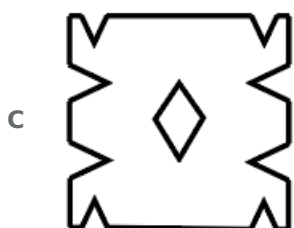
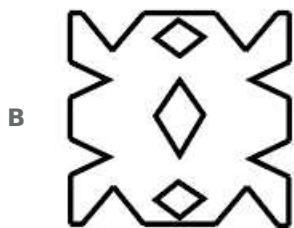
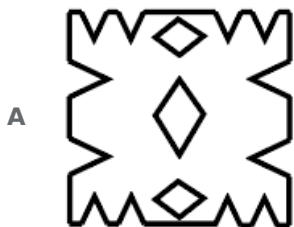
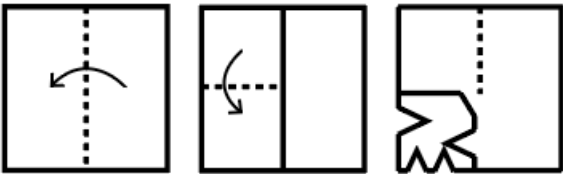
C \times and $+$

D \div and \times

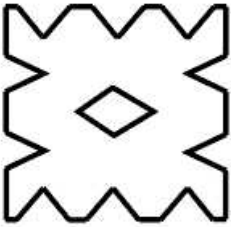
Answer: D

Question 2

A square paper is folded and cut as shown below. How will it appear when unfolded ?



D



Answer: A

Question 3

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

A FHJ

B SUW

C KMO

D PQR

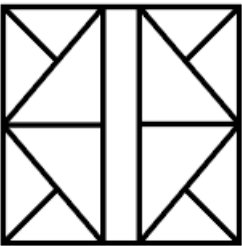
Answer: D

Question 4

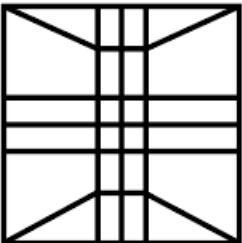
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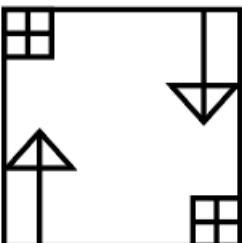
A

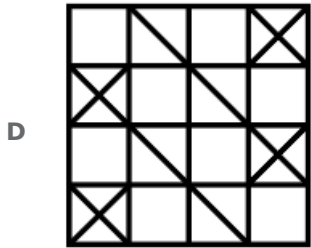


B



C





Answer: D

Question 5

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

- A Tamil : Kerala
- B Bori : Arunachal Pradesh
- C Konkani : Goa
- D Dogri : Jammuand Kashmir

Answer: A

Question 6

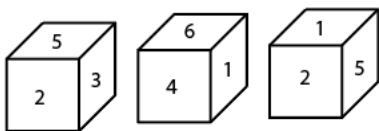
Find the next term in this series.
CBA, FGE, ILI, LQM, ?

- A OVP
- B NVQ
- C OUP
- D OVQ

Answer: D

Question 7

Three different positions of a dice are shown below. Which number appears on the face opposite the number 4 ?

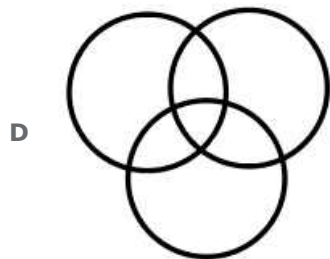
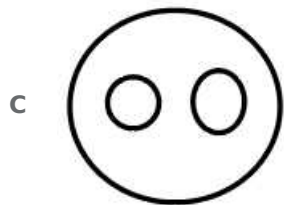
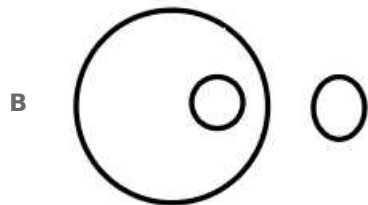


- A 6
- B 2
- C 5
- D 3

Answer: C

Question 8

Choose the Venn diagram from the given options which best represents the relationship among the following classes:
Players, Singers, Students



Answer: D

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.

17 : 102 :: 23 :

A 138

B 256

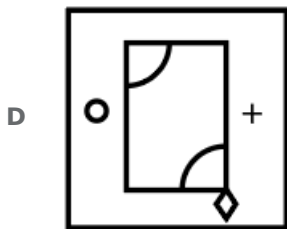
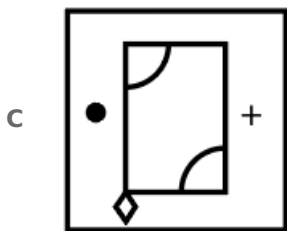
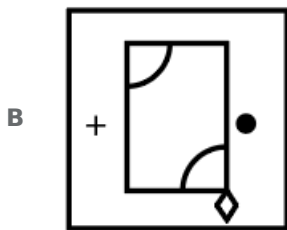
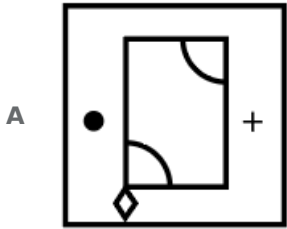
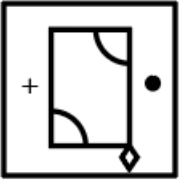
C 196

D 152

Answer: A

Question 10

Select the correct mirror image of the given figure when the mirror is placed on the right of the figure.



Answer: C

Question 11

If SUN is coded as NUS and TOP is coded as POT, then which is the last letter in the code for the word FUR ?

A U

B R

C F

D E

Answer: C

Question 12

Three of the following fourletter-clusters are alike in a certain way and one is different. Pick the odd one out.

- A KMT
- B FHO
- C QSZ
- D OQV

Answer: D

Question 13

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

- A Chisel : Sculptor
- B Anvil : Blacksmith
- C Paper : Book
- D Scalpel : Surgeon

Answer: C

Question 14

Select the term that will come next in the following series.
5, 9, ?, 29, 45

- A 15
- B 25
- C 17
- D 19

Answer: C

Question 15

If DON is coded as 345 and ROAM is coded as 6412, then how will RANDOM be coded?

- A 615342
- B 651342
- C 615324
- D 613542

Answer: A

Question 16

A father was twelve times as old as his son twenty years ago. Now he is twice as old as his son. What are the present ages of the son and father?

- A** 22 and 44 years
- B** 27 and 54 years
- C** 33 and 66 years
- D** 15 and 30 years

Answer: A

Question 17

If

+ denotes —

— denotes *

*** denotes /**

/ denotes +

then what will be the value of

$25 - 2 / 10 * 5 + 2 = ?$

- A** 10
- B** 26
- C** 58
- D** 50

Answer: D

Question 18

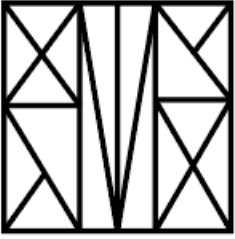
Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd one out.

- A** 13 : 179
- B** 8 : 69
- C** 14 : 201
- D** 12 : 149

Answer: A

Question 19

How many triangles are there in the following figure ?



- A 29
- B 18
- C 33
- D 31

Answer: D

Question 20

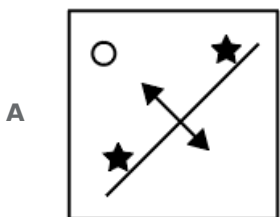
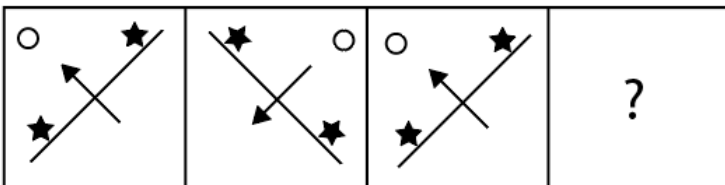
'Fly' is related to 'Bird' in the same way as 'Gallop' is related to '.....'

- A Horse
- B Tiger
- C Lion
- D Elephant

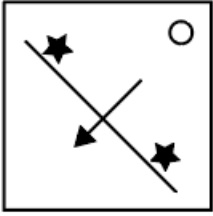
Answer: A

Question 21

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



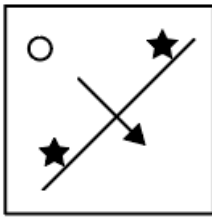
B



C



D



Answer: B

Question 22

Bharat and Sapna are husband and wife. Rohit and Bharat are brothers. Suresh is the father of Rohit. Sapna's son is Krish. How is Krish related to Suresh ?

- A Grandson
- B Son
- C Uncle
- D Father

Answer: A

Question 23

Find the missing number from the below options.

9	28	85
12	37	?
16	49	148

- A 140
- B 96
- C 112
- D 134

Answer: C

Question 24

Select the word pair in which the two words are related in the same way as the word pair given below.

Feet : Socks

- A Head : Turban
- B Legs : Vest
- C Finger : Nail
- D Abdomen : Pants

Answer: A

Question 25

Select the option that is related to the third term in the same way as the second term is related to the first term.

WOLF : FLOW :: DRAW :

- A RWAD
- B WRAD
- C WARD
- D DARW

Answer: C

General knowledge

Instructions

For the following questions answer them individually

Question 26

As a reaction to Rowlatt Act, _____ was organised as National Humiliation Day.

- A 6th April 1919
- B 2nd February 1913
- C 14th June 1921
- D 8th May 1920

Answer: A

Question 27

Who was the first Indian to receive the Ramon Magsaysay Award for his contribution to community leadership?

- A Arvind Kejriwal
- B Baba Amte
- C Verghese Kurien
- D Acharya Vinoba Bhave

Answer: D

Question 28

..... was not only Sri Lanka's first woman prime minister, but also the first woman prime minister in the world.

- A Upeksha Swarnamali
- B Sirimavo Bandaranaike
- C Rosy Senanayake
- D Chandrika Kumaratunga

Answer: B

Question 29

The Khilafat Movement of 1920 was organised as a protest against the injustice done to _____.

- A Turkey
- B Egypt
- C Iraq
- D Afghanistan

Answer: A

Question 30

In which year was the term 'Gross Happiness Index' coined by the fourth king of Bhutan, Jigme Singye Wangchuck?

- A 1964
- B 1989
- C 1972
- D 1982

Answer: C

Question 31

Mother Teresa, the founder of 'Missionaries of Charity', was born on _____.

- A 26th August 1910

- B 15th May 1907
- C 13th January 1912
- D 2nd February 1913

Answer: A

Question 32

The Hindustan Socialist Republican Association (HSRA) was formed in the year ____ with an aim to overthrow the British.

- A 1930
- B 1928
- C 1921
- D 1922

Answer: B

Question 33

The term 'Putt' is used in this sport _____.

- A Cricket
- B Football
- C Golf
- D Table Tennis

Answer: C

Question 34

How many provinces is the country of Nepal divided into?

- A 6
- B 4
- C 7
- D 5

Answer: C

Question 35

Which of the following is the busiest sea port in Pakistan?

- A Gwadar Port
- B Port of Qasim

C Port of Karachi

D Port of Ketu

Answer: C

Question 36

How many 'canine teeth' does an adult human have?

A 4

B 2

C 8

D 3

Answer: A

Question 37

Who was the first female shooter from India to reach number 1 in world ranking by the International Shooting Sport Federation in 2014?

A Shreyasi Singh

B Anisha Sayyed

C Anjali Bhagwat

D Heena Sidhu

Answer: D

Question 38

Janku' is a unique cultural custom followed in _____ as a celebration of life.

A Pakistan

B Nepal

C Bhutan

D Sri Lanka

Answer: B

Question 39

In 2018, Amnesty International stripped _____ of the Ambassador of Conscience Award given in 2009.

A Benjamin Netanyahu

B Al Gore

C Aung San Suu Kyi

D Henri Tiphagne

Answer: C

Question 40

What is the term used to describe the angular distance of a place north or south of Earth's equator?

A Pole

B Longitude

C Latitude

D Hemisphere

Answer: C

Question 41

Which tribe of Pakistan performs a traditional dance form called 'Waziri Dance'?

A Sindhi

B Brahuis

C Baloch

D Pashtun

Answer: D

Question 42

The maximum strength of the Bangladeshi Parliament is _____.

A 322

B 363

C 340

D 350

Answer: D

Question 43

What is the definition for the term 'hibernation'?

A Building of habitat (nests) by birds to save themselves in rainy season

B A habit of food conservation during summer season for winter among animals

C A state of hyperactivity in spring time among birds

D A state of reduced metabolic activity during winter season among some animals

Answer: D

Question 44

Which of the following plants is carnivorous?

- A** Venus Flytrap
- B** Hyacinth
- C** Cypress Vine
- D** Amaryllis

Answer: A

Question 45

Which of the following kings is regarded as the founder of the Kingdom of Nepal?

- A** Tribhuvan Bir Bikram Shah
- B** Mahendra Bir Bikram Shah Dev
- C** Rana Bahadur Shah
- D** Prithivi Narayan Shah

Answer: D

Question 46

A traditional 'battery' contains which of the following chemicals?

- A** Ethanol
- B** Ethylene glycol
- C** Sodium bicarbonate
- D** Sulphuric acid

Answer: D

Question 47

Which world leader is awarded the St Andrew the Apostle, the highest order of the Russian Federation in the year 2019?

- A** Emmanuel Macron
- B** Angela Merkel
- C** Narendra Modi
- D** Donald Trump

Answer: C

Question 48

In economic terms what do we mean by 'intermediate goods'?

- A** Fixed assets used by manufacturers
- B** Goods sold between industries for the resale or production of other goods
- C** Price of goods without GST
- D** Goods in transit before reaching the consumers

Answer: B

Question 49

Atal Tinkering Labs is an initiative by which of the following institutions?

- A** National AYUSH Mission
- B** NITI Aayog
- C** Central Board of Secondary Education
- D** Reserve Bank of India

Answer: B

Question 50

Which of the following is the third stage in the metamorphosis of a butterfly?

- A** Pupa
- B** Adult
- C** Larva
- D** Egg

Answer: A

Quant

Instructions

For the following questions answer them individually

Question 51

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

- A** $5\sqrt{5}$
- B** $2\sqrt{5}$
- C** $3\sqrt{5}$

D $4\sqrt{5}$

Answer: B

Question 52

In a circle with centre O, AB is a diameter and CD is a chord such that ABCD is a trapezium. If $\angle BAC = 15^\circ$, then $\angle CAD$ is equal to:

A 30°

B 75°

C 60°

D 45°

Answer: C

Question 53

If $a : b = 4 : 5$, then $(2a + 3b) : (3a + 2b)$ is equal to:

A 9 : 10

B 22 : 33

C 10 : 9

D 23 : 22

Answer: D

Question 54

The price of sugar is increased by 18%. A person wants to increase the expenditure by 12% only. By what percent, correct to one decimal place, should he decrease his consumption?

A 5.6%

B 5.1%

C 6%

D 5.3%

Answer: B

Question 55

If $a + b + c = 11$ and $ab + bc + ca = 38$, then $a^3 + b^3 + c^3 - 3abc$ is equal to:

A 66

B 77

C 44

D 55

Answer: B

Question 56

The average marks of 50 students in a class was found to be 64. If the marks of two students were incorrectly entered as 38 and 42 instead of 83 and 24, respectively, then what is the correct average?

A 61.24

B 64.54

C 62.32

D 61.86

Answer: B

Question 57

A train without stop page travels with an average speed of 70km/h, and with stoppage, it travels with the average speed of 56km/h. How many minutes, does the train stop on an average per hour?

A 12

B 14

C 16

D 15

Answer: A

Question 58

Two articles are sold for ₹10,384 each. On one, the seller gains 18% and on the other, he loses 12%. What is his overall gain or loss?

A ₹168 loss

B ₹168 gain

C ₹178 gain

D ₹178 loss

Answer: B

Question 59

The table below shows the percentage of students and the ratio of boys and girls in different colleges. Total students = 1800

College	%Students	Boys:Girls
A	20	4:05
B	18	1:02
C	14	4:03
D	22	6:05
E	10	2:03
F	16	9:07

What is the ratio of boys and girls in the colleges A and B taken together?

- A 45 : 71
- B 43 : 67
- C 67 : 104
- D 37 : 52

Answer: C

Question 60

The value of $\sin^2 60^\circ - \cos^2 45^\circ + \sec 60^\circ + \cos^2 40^\circ + \cos^2 50^\circ$ is equal to:

- A $\frac{9}{14}$
- B $\frac{13}{4}$
- C $\frac{11}{4}$
- D $\frac{7}{2}$

Answer: B

Question 61

The difference between the compound interest and simple interest on ₹ x at 9% per annum for 2 years is ₹20.25. What is the value of x ?

- A 2,500
- B 2,400
- C 2,800
- D 2,200

Answer: A

Question 62

In $\triangle ABC$, AD is median and is the point on AD such that $AG : GD = 2 : 1$. Then $\text{ar}(\triangle ABG) : \text{ar}(\triangle ABC)$ is equal to:

A 1 : 6

B 1 : 4

C 1 : 3

D 1 : 5

Answer: C

Question 63

when $2 \sin^2 \theta = 3 \cos \theta$, and $0 \leq \theta \leq 90^\circ$, then $\theta = ?$

A 60°

B 90°

C 30°

D 45°

Answer: A

Question 64

The table below shows the percentage of students and the ratio of boys and girls in different colleges. Total students = 1800

College	%Students	Boys:Girls
A	20	4:05
B	18	1:02
C	14	4:03
D	22	6:05
E	10	2:03
F	16	9:07

In which college is the percentage difference between the number of boys and girls minimum?

A C

B A

C D

D E

Answer: C

Question 65

If the six digit number $6x2904$ is divisible by 88, then the value of x is:

A 5

B 8

C 7

D 6

Answer: D

Question 66

An article is sold for ₹642.60 after successive discounts of 15% and 10%. What is the marked price of the article?

A ₹820

B ₹800

C ₹880

D ₹840

Answer: D

Question 67

If $\tan \theta = \frac{3}{4}$, then $\frac{4 \sin \theta - \cos \theta}{4 \sin \theta + \cos \theta}$ is equal to:

A $\frac{3}{5}$

B $\frac{1}{4}$

C $\frac{1}{2}$

D $\frac{2}{5}$

Answer: C

Question 68

The table below shows the percentage of students and the ratio of boys and girls in different colleges. Total students = 1800

College	%Students	Boys:Girls
A	20	4:05
B	18	1:02
C	14	4:03
D	22	6:05
E	10	2:03
F	16	9:07

If 10% of the girls from college A are transferred to college E, then what is the increase in the percentage of girls in college E?

A 4.6%

B 4%

C 4.2%

D 4.4%

Answer: B

Question 69

If $(3x - 1)^3 + (4x - 3)^3 + (2x + 1)^3 = 3(3x - 1)(4x - 3)(2x + 1)$ and $x \neq \frac{1}{3}$ then $x = ?$

A $\frac{1}{2}$

B 1

C 2

D $\frac{1}{4}$

Answer: C

Question 70

The radius of a sphere is increased by 140%. By what percent will its volume increase?

A 174.4%

B 1282.4%

C 274.4%

D 1382.4%

Answer: B

Question 71

$\triangle ABC \sim \triangle EDF$ and $AB = 5$ cm, $BC = 8$ cm and $AC = 10$ cm. If $\text{ar}(\triangle ABC) : \text{ar}(\triangle DEF) = 9 : 4$, then DF is equal to:

A $\frac{16}{3}$ cm

B $\frac{20}{3}$ cm

C $\frac{32}{9}$ cm

D $\frac{10}{3}$ cm

Answer: A

Question 72

The table below shows the percentage of students and the ratio of boys and girls in different colleges. Total students = 1800

College	%Students	Boys:Girls
A	20	4:05
B	18	1:02
C	14	4:03
D	22	6:05
E	10	2:03
F	16	9:07

What is the percentage of girls in colleges D, E and F taken together, (nearest to one decimal place)?

- A 48.5%
- B 48.1%
- C 48.3%
- D 47.9%

Answer: D

Question 73

The value of $3.8 - (4.2 \div 0.7 \times 3) + 5 \times 2 \div 0.5$ is:

- A 15.6
- B 5.8
- C 21.8
- D 18.4

Answer: B

Question 74

In a $\triangle ABC$, the sides are $AB = 16$ cm, $AC = 63$ cm, $BC = 65$ cm. From A, a straight line AM is drawn up to the midpoint M of side BC. Then the length of AM is equal to:

- A 32.5 cm
- B 24.5 cm
- C 23.5 cm
- D 31.5 cm

Answer: A

Question 75

If $x - 5\sqrt{x} - 1 = 0$, then $x^2 + \frac{1}{x^2}$ is equal to:

- A 625
- B 727
- C 729
- D 731

Answer: B

Instructions

For the following questions answer them individually

Question 76

Given below are four jumbled sentences. Select the option that gives their correct order.

- A. Soon, flames ignited the wooden beams of the grand palace built by Xerxes.
- B. Men and women holding aloft flaming torches, raced up and down the palace terraces.
- C. When the fire died out, all that remained of the magnificent palace were the stone columns.
- D. Looters fought off the heat of the inferno to drag out gold and silver vessels.

- A ADBD
- B BADC
- C CDBA
- D BCAD

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:

Portia claims that even if she (1_____ to live as long as Sibylla, she would die as (2_____ as Diana because she can only be claimed (3_____ the manner specified by her father's will. She (4_____ that nobody would be able to crack (5_____ casket test and so she was bound to remain unmarried.

Question 77

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

- A were
- B is
- C was
- D has

Answer: A

Question 78

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

- A plain
- B pure
- C clear
- D real

Answer: B

Question 79

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

- A through
- B at
- C in
- D from

Answer: C

Question 80

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

- A has worry
- B worries
- C will worry
- D worry

Answer: B

Question 81

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

- A the
- B one
- C an
- D a

Answer: A

Instructions

For the following questions answer them individually

Question 82

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

It is convey to all the residents by now that they are required to apply for parking stickers.

- A It has been conveyed to all the residents
- B No improvement
- C It will be conveyed to all the residents
- D It is conveyed to all the residents

Answer: A

Question 83

Select the most appropriate synonym of the given word.

REPUDIATE

A renounce

B sanction

C enforce

D regret

Answer: A

Question 84

Select the correctly spelt word.

A accommodation

B acomodation

C accomodation

D acommodation

Answer: A

Question 85

Select the most appropriate antonym of the given word.

SEVERE

A meticulous

B morose

C mild

D mediocre

Answer: C

Question 86

Select the word which means the same as the group of words given.

One who helps a person in need

A samaritan

B mercenary

C collaborator

D veteran

Answer: A

Question 87

Select the most appropriate option to fill in the blank.

The owner of the house was _____ at the watchman for letting in a stranger.

- A impatient
- B indignant
- C indifferent
- D indulgent

Answer: B

Question 88

Select the most appropriate meaning of the underlined idiom in the given sentence.

Extreme poverty made the poor woman wonder how long she could keep the wolf from the door.

- A avoid starvation
- B be safe in her house
- C keep wild animals away
- D live on charity

Answer: A

Question 89

In the sentence identify the segment which contains the grammatical error.

Supriya asked Kiran that where had her mother gone when the results of the contest were being declared.

- A that where had her mother gone
- B when the results of the contest
- C were being declared
- D Supriya asked Kiran

Answer: A

Question 90

Select the most appropriate antonym of the given word.

PRUDENT

- A practical
- B judicious
- C indiscreet
- D tactful

Answer: C

Question 91

Given below are four jumbled sentences. Select the option that gives their correct order.

- A. It was very unusual as boys were not supposed to be out of school at this late hour.
- B. He moved closer to the boy in anger so that he could recognise the miscreant and punish him.
- C. He felt angry as teachers ought to be about school rules being broken.
- D. Mr Oliver, the school teacher saw a lonely boy sitting on a rock, weeping soundlessly.

- A DBAC
- B ABCD
- C DACB
- D ACBD

Answer: C

Question 92

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

The world's agricultural land are in pressure to raising more and more crops.

- A land is under pressure to raise
- B land is at pressure to raise
- C land is under pressure so raising
- D No improvement

Answer: A

Question 93

Select the most appropriate synonym of the given word.

LAMENT

- A torment
- B afflict
- C distress
- D mourn

Answer: D

Question 94

Select the correct active form of the given sentence.

You will either be taken prisoner or shot by the enemy.

- A The enemy will be either taking you prisoner or shooting you.
- B The enemy will either take you prisoner or shoot you.
- C The enemy would either take you prisoner or shoot.

D The enemy either takes you prisoner or shoots you.

Answer: B

Question 95

Select the most appropriate option to fill in the blank.

I was frustrated at not being able to _____ of my old car.

A depose

B deal

C devoid

D dispose

Answer: D

Question 96

Select the word which means the same as the group of words given.

Sole right to make and sell some invention

A inheritance

B heirloom

C copyright

D patent

Answer: D

Question 97

Select the correct passive form of the given sentence.

Have they announced the world cup cricket team?

A Has the world cup cricket team been announced?

B Has the world cup cricket team being announced?

C Have the world cup cricket team been announced?

D Have the world cup cricket team announced?

Answer: A

Question 98

Select the most appropriate meaning of the underlined idiom in the given sentence.

The ambitious project to impart free books to all students ended in smoke.

A yielded no result

B was delayed

- C exceeded the budget
- D was successfully completed

Answer: A

Question 99

**In the sentence identify the segment which contains the grammatical error.
On the way he was bited on his toe by a poisonous snake .**

- A by a poisonous snake
- B he was bited
- C On the way
- D on his toe

Answer: B

Question 100

Select the correctly spelt word.

- A particuler
- B perticular
- C particular
- D perticuler

Answer: C

