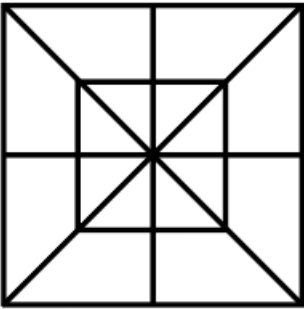# SSC CGL 6 June 2019 Shift-3

Reasoning

Instructions

For the following questions answer them individually

Question 1

How many triangles are there in the following figure ?

A 36

B 28

C 32

D 24

Answer: C

Question 2

Select the term that will come in the place of ?
7, 11, 19, 31, ?, 67

A 45

B 51

C 43

D 47

Answer: D

Question 3

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

A Kitchen : Frying pan

B Bathroom : Shower

C Garden : Ladle

D Study room : Table lamp

Answer: C

Question 4

Choose the set of numbers that is similar to the following set.
(6, 9, 18)

A (14, 21, 42)

B (10, 15, 35)

C (18, 27, 56)

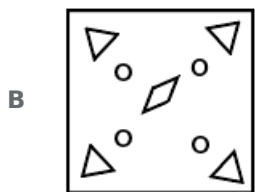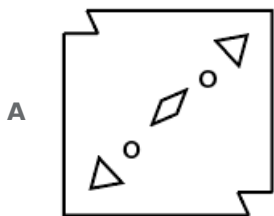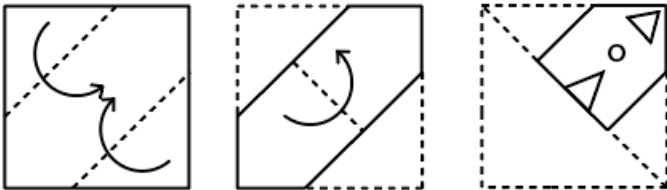**D** (8, 14, 24)

  Answer: A

Question 5

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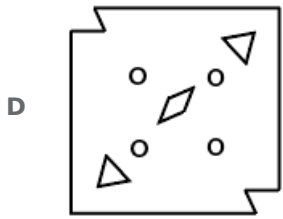
A Intermission

B Valediction

C Closure

D Cessation

  Answer: A

Question 6

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

A

B

C

D
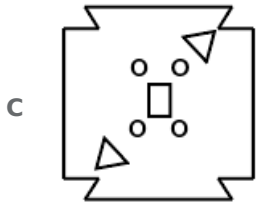
Answer: A

Question 7

Arrange the following words in a logical and meaningful order.
1. Cloud
2. Rainbow
3. Devastation
4. Rain
5. LowPressure
6. Flood

A   5,1,2,4,6,3

B   5,4,1,2,3,6

C   5,1,4,2,6,3

D   1,5,4,2,6,3

Answer: C

Question 8

Select the figure in which the given figure is embedded.

A

B

C

D
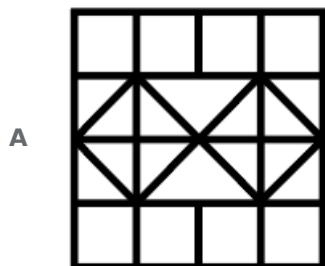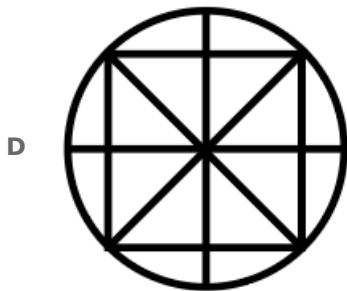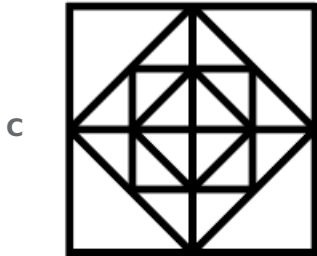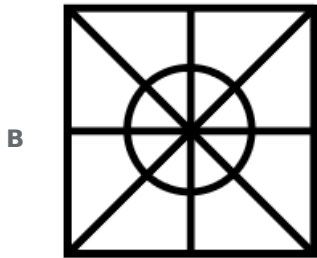
Answer: C

Question 9

Two rotated positions of a dice are given below. Which number will be at the top if the number 1 is on the bottom of the dice ?
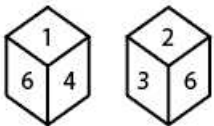
A   3

B   2

C   5

D   6

Answer: A

Question 10

Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.
CDAF : XWZU :: DEFC : ?

A   WVUX

B   WVXU

C   VWXU

D XWYV

Answer: A

Question 11

Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.
Author : Book

A Mother : Son

B Reptile : Crawl

C Doctor : Medicine

D Spider : Web

Answer: D

Question 12

Identify the mirror image of the following figure when the mirror is placed to the right of the figure.

A

B

C

D
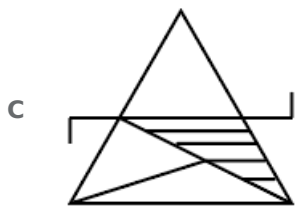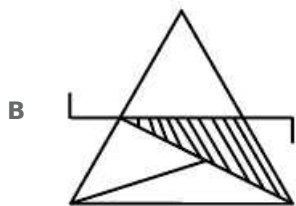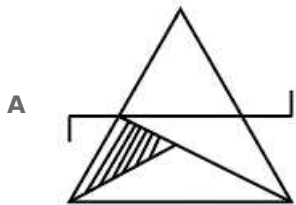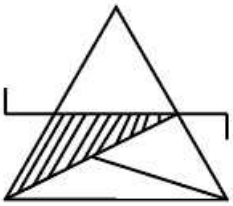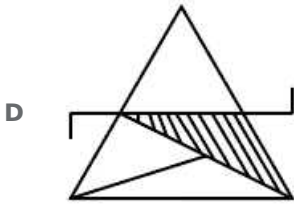
Answer: D

Question 13

Select the option that is related to the third term in the same way as the second term is related to the first term.
LAMP : PALM :: MALE : _____

A   ELAM

B   LAME

C   EAML

D   MEAL

Answer: C

Question 14

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

A   GKRV

B   BFMQ

C   DGKL

D   JNPS

Answer: C

Question 15

'Room?'is related to 'Ceiling' in the same way as 'Mouth'isrelated to:

A   Teeth

B   Throat

C   Lip

D   Palate

Answer: D

Question 16

What will be the value of the following equation if '÷' means addition', '+' means 'subtraction', '−' means 'multiplication' and '×'means 'division'?
$72 \times 9 - 3 \div 8 + 2 = ?$

A 25

B 40

C 30

D 35

Answer: C

Question 17

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

A

B

C

D
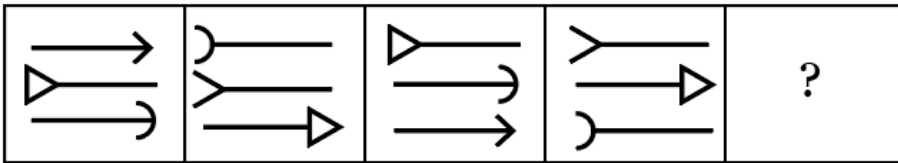
Answer: C

Question 18

Select the number pair in which the two numbers are related in the same way as the two numbers of the pair given below.

35 : 6

A 120 : 11

B 64 : 8

C 85 : 9

D 26 : 5

   Answer: A

Question 19

A letter series is given below in which some letters are missing. Select the option that gives the letters that can fill these blanks in that order.
a_ca_bab_ad_abc_db

A bdceba

B bedba

C bddac

D bdeab

   Answer: A

Question 20

Find the next number in the given series.
3, 13, 31, ?, 91

A 57

B 48

C 69

D 63

   Answer: A

Question 21

Two statements are followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they do not conform to real-world knowledge, decide which of the conclusion(s) logically follow/s from the statements.
Statements:
All ponds are pools.
Some wells are ponds.
Conclusions:
I. Some ponds are not wells.
II. Some wells are pools.
III. All pools are wells.

A Only conclusion I follows

B None of the conclusions follow

C Only conclusion II follows

D Only conclusion ITI follows

Question 22

Choose the Venn diagram that best illustrates the relationship among the following classes:
Women, Entrepreneurs, Engineers

A

B

C

D
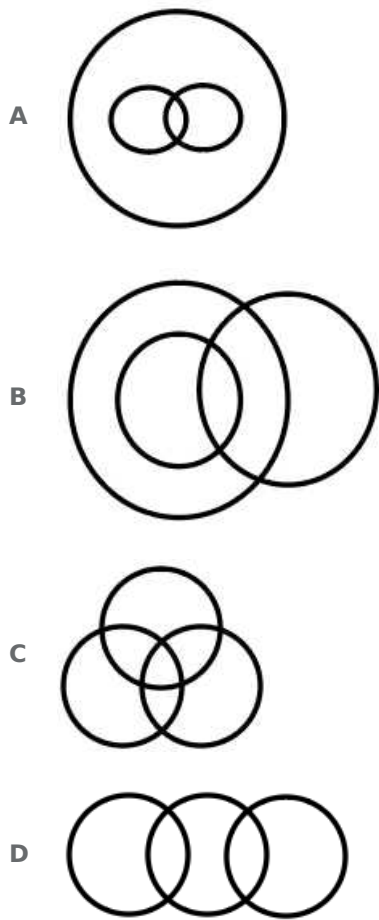
Answer: C

Question 23

Ina code language, SEDATIVE is coded as ATDESEVI. How would PERSONAL be coded in that language?

A   SOERPANL

B   OSREPLAN

C   SOREPLAN

D   SOPERLAN

Answer: C

Question 24

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

A   ABOP

B CDQR

C EFST

D GHTV

   Answer: D

Question 25

In a code language if **VERY** is written as **UDQX**,then in the same language how will you write the word **URGENT?**

A MSQTFD

B QFDTMS

C TMSQFD

D TQFDMS

   Answer: D

General knowledge

Instructions

For the following questions answer them individually

Question 26

The Indian Passport was ranked _____ in the 'Global Passport Index Report 2019'.

A 67th

B 65th

C 56th

D 77th

   Answer: A

Question 27

Minimum Support Price (MSP) is recommended by _____.

A The Food Safety and Standards Authority of India

B The Commission for Agricultural Costs and Prices

C The Commission for Weights and Measures

D The Farmers' Welfare Society

   Answer: B

Question 28

The Pradhan Mantri Shram Yogi Mandhan Yojana was launched by _____

A   Ram Nath Kovind

B   Smriti Zubin Irani

C   Narendra Modi

D   Arun Jaitley

   Answer: C

Question 29

Ricket' is a disease associated with the deficiency of _____

A   Vitamin A

B   Vitamin C

C   Vitamin B

D   Vitamin D

   Answer: D

Question 30

The highest railway station in India is located in the state of _____

A   Sikkim

B   West Bengal

C   Uttar Pradesh

D   Jammu & Kashmir

   Answer: B

Question 31

_____ was the first and only Muslim woman to ever sit on the throne of Delhi

A   Razia Begum

B   Gevher Sultan

C   Shajarat Al Durr

D   Fatima Al Fihri

   Answer: A

Question 32

_____ is the largest river island in the world

A   Bahvani

B   Munroe

C   Umananda

D   Majuli

   Answer: D

Question 33

Bariatric surgery makes changes to a person's _____

A   heart

B   lungs

C   nasal passage

D   digestive system

   Answer: D

Question 34

During photosynthesis, green plants use energy from sunlight to synthesise _____ from carbon dioxide and water

A   fructose

B   sucrose

C   galactose

D   glucose

   Answer: D

Question 35

What is India's rank in 2019 World Happiness Report?

A   160th

B   130th

C   150th

D   140th

   Answer: D

Question 36

_____ is the oldest golf course outside the United Kingdom.

A Royal Calcutta Golf Club, Kolkata

B Royal Springs Golf Course, Srinagar

C Classic Golf Resort, New Delhi

D Tollygunge Golf Club, Kolkata

Answer: A

Question 37

Article _____ of the Constitution of India gives the Election Commission the power to supervise elections to the Parliament and state legislatures.

A 341

B 342

C 314

D 324

Answer: D

Question 38

Who amongst the following succeeded the Mughal throne in the year 1556?

A Shah Jahan

B Jehangir

C Akbar

D Sher Shah Suri

Answer: C

Question 39

_____ is the oldest member of the 16th Lok Sabha.

A Murli Manohar Joshi

B Lal Krishna Advani

C Farooq Abdullah

D Ram Jethmalani

Answer: B

Question 40

Which one of the following was NOT a condition laid down in the Gandhi-Irwin Pact?

A The Indian National Congress should stop the civil disobedience movement

B   Withdrawal of tax on khadi production

C   Participation in the Round Table Conference by the Indian National Congress

D   Removal of salt tax; allowing to produce, trade and sell legally

   Answer: B

Question 41

The _____ was a group of seven Members of Parliament from the United Kingdom, constituted to suggest constitutional reforms for British India.

A   Simon Commission

B   Sargent Commission

C   Fraser Commission

D   Hunter Commission

   Answer: A

Question 42

Which of the following is NOT a vocal form of Hindustani classical music?

A   Pakhawaj

B   Drupad

C   Dhamar

D   Tarana

   Answer: A

Question 43

The Khajuraho Temples are located in the state of _____.

A   Madhya Pradesh

B   Andhra Pradesh

C   Uttar Pradesh

D   Uttarakhand

   Answer: A

Question 44

The National Board for Micro, Small and Medium Enterprises meets once every _____ months in a year.

A   1.9

B   2.3

C   3.2

D 4.6

Answer: D

Question 45

Varkala, Chowara, Chavakkad and Nattika are beaches in the state of _____.

A Tamil Nadu

B Maharashtra

C Karnataka

D Kerala

Answer: D

Question 46

Who was the first woman judge of the Delhi High Court?

A Leila Seth

B Sujata Manohar

C Ruma Pal

D Anna Chandi

Answer: A

Question 47

Which of the following acid found in Apple?

A Formic Acid

B Sulphuric Acid

C Malic Acid

D Nitric Acid

Answer: C

Question 48

The Banking Regulation Act was passed in India in _____.

A 1974

B 1949

C 1951

D 1965

Answer: B

Question 49

Which of the following is NOT a symptom of Wilson's disease?

A Uncontrolled movements or muscle stiffness

B Problems with speech, swallowing or physical coordination

C Fluid build-up in the legs or abdomen

D Night blindness

Answer: D

Question 50

Who became the first Indian golfer to win on the 'Ladies European Tour' in 2016?

A Aditi Ashok

B Diksha Dagar

C Vani Kapoor

D Gursimar Badwal

Answer: A

Quant

Instructions
For the following questions answer them individually

Question 51

The radii of three concentric circles are in the ratio of 4 : 5 : 7. What is the ratio of the area between the two inner circles to that between the two outer circles?

A 3:8

B 4:7

C 5:9

D 4:5

Answer: A

Question 52

If $(1 + \tan^2 \theta) + (1 + (\tan^2 \theta)^{-1}) = k,\ then\ \sqrt{k} =?$

A $\operatorname{cosec} \theta \cos \theta$

B $\sin\theta\cos\theta$

C $\operatorname{cosec}\theta\sec\theta$

D $\sin\theta\sec\theta$

Answer: C

Question 53

If $3\sqrt{3}x^3 - 2\sqrt{2}y^3 = (\sqrt{3}x - \sqrt{2}y)(Ax^2 + By^2 + Cxy)$**, then the value of** $(A \times B) \div C$ **is:**

A $6\sqrt{6}$

B $6\sqrt{3}$

C $\sqrt{3}$

D $\sqrt{6}$

Answer: D

Question 54

To do a certain work, the ratio of the efficiencies of A, B and C is 7 : 5 : 6. Working together, they can complete the same work in 35 days. B and C work together for 21 days. The remaining work will be completed by A alone in:

A 54 days

B 50 days

C 60 days

D 57 days

Answer: D

Question 55

Ina circle with center O and radius 10 cm, PQ and RS are two parallel chords of lengths x cm and 12 cm, respectively, and both the chords are on the opposite side of O. If the distance between PQ and RS is 14 cm,the value of x is:

A 16

B 15

C 20

D 18

Answer: A

Question 56

$\left(\dfrac{1}{1+\sin^2\theta} + \dfrac{1}{1+\operatorname{cosec}^2\theta}\right) =$

A $\csc^2\theta$

B 2

C 1

D $\sin^2\theta$

Answer: C

Question 57

In △ACE, B and D are the points on side AC and CE,respectively, such that BD ∥ AE and AE = $\frac{8}{3}$ BD. What is the ratio of the area of △BDC to that of △AEC?

A 9 : 16

B 9 : 64

C 3 : 8

D 8 : 11

Answer: B

Question 58

The value of $\frac{1}{\sin\theta} - \frac{\cot^2\theta}{1+\csc\theta}$ is:

A 2

B 0

C -1

D 1

Answer: D

Question 59

The table shows the production of different types of cars (in thousands).

Year → / Car ↓	2013	2014	2015	2016	2017
A	48	47	50	61	64
B	47	55	58	54	66
C	52	58	62	66	72
D	60	53	56	65	66
E	43	47	54	64	62

The total production of type B cars during 2013 to 2016 is approximately what percent less than the total production of cars in 2017?

A 38%

B 32%

C 40%

D 35%

   Answer: D

Question 60

A train travelling at 44 km/h crosses a man walking with a speed of 8 km/h,in the same direction, in 15 seconds. If the train crosses a woman coming from the opposite direction in 10 seconds, then what is the speed (in km/h) of the woman?

A 10

B 9

C 8.5

D 10.5

   Answer: A

Question 61

The average of eleven numbers is 54. The average of the first four numbers is 48 and that of the next four numbers is 25% more than the average of the first four. The ninth number is 8 greater than the 11th number and the tenth number is 4 greater than the 11th number. What is the average of the 9th and the 10th numbers?

A 52.6

B 54

C 56

D 54.4

   Answer: C

Question 62

PQRS is a cyclic quadrilateral. If angle P is three times the angle R and angle S is five times the angle Q,then the sum of the angles Q and is:

A $65°$

B $75°$

C $72°$

D $70°$

   Answer: B

Question 63

Sudha saves 15% of her income. If her expenditure increases by 20% and savings increase by 60%, then by what percent has her income increased?

A 24

B 30

C 26

D 35

  Answer: C

Question 64

If a + b + c = 2, $a^2 + b^2 + c^2 = 26$, then the value of $a^3 + b^3 + c^3 - 3abc$ is:

A 71

B 74

C 78

D 69

  Answer: B

Instructions

The table shows the production of different types of cars (in thousands).

Year → Car ↓	2013	2014	2015	2016	2017
A	48	47	50	61	64
B	47	55	58	54	66
C	52	58	62	66	72
D	60	53	56	65	66
E	43	47	54	64	62

Question 65

The total production of type B cars in 2015 and type C cars in 2013 is what percent more that the total production of type E cars in 2013 and 2014 ? (Correct to one decimal place)

A 23.4

B 24.8

C 25.6

D 22.2

  Answer: D

Question 66

If the data related to the production of type D cars is represented by a pie-chart, then the central angle of the sector representing the production of the cars in 2016 will be:

A 78°

B 72°

C 79.2°

D 67.2°

Answer: A

Instructions

For the following questions answer them individually

Question 67

If a 10-digit number 2094x843y2 is divisible by 88, then the value of (5x—7y) for the largest possible value of x, is:

A 3

B 5

C 2

D 6

Answer: B

Question 68

The table shows the production of different types of cars (in thousands).

Year → Car ↓	2013	2014	2015	2016	2017
A	48	47	50	61	64
B	47	55	58	54	66
C	52	58	62	66	72
D	60	53	56	65	66
E	43	47	54	64	62

The ratio of the total production of type A cars in 2017 and type D cars in 2015 to the total production of type B and type E cars in 2013 is:

A 7 : 8

B 4 : 3

C 8 : 7

D 3 : 4

Answer: B

Question 69

If $a + \frac{1}{a} = 3,\ then\ \left(a^4 + \frac{1}{a^4}\right)$ is equal to:

A 81

B 47

C 27

D 77

Answer: B

Question 70

If $\frac{\cos\theta}{1-\sin\theta} + \frac{\cos\theta}{1+\sin\theta} = 4, 0° < \theta < 90°$, then the value of $(\tan\theta + \cosec\theta)$ is:

A $\frac{5\sqrt{2}}{2}$

B $\frac{5\sqrt{2}}{3}$

C $\frac{5\sqrt{3}}{3}$

D $\frac{4\sqrt{3}}{3}$

Answer: C

Question 71

The area of a △ABC is one unit. DE is a straight line parallel to BC, joining the points D and E on AB and AC respectively such that AD : DB = 1 : 6. The ratio of the areas of the triangles ADE and ABC is:

A 1 : 6

B 1 : 36

C 1 : 7

D 1 : 49

Answer: D

Question 72

The value of $16 \div 4\ of\ 4 \times [3 \div 4\ of\ \{4 \times 3 \div (3+3)\}] \div (2 \div 4\ of\ 8)$ is:

A 6

B 48

C 9

D 16

Answer: A

Question 73

In △ABC, D is a point on AC such that AB = BD = DC. If ∠BAD = $70°$, then the measure of ∠B is:

A $75°$

B 82°

C 80°

D 70°

Answer: A

Question 74

A person borrowed a certain sum at 10% p.a. for three years, interest being compounded annually. At the end of two years, he repaid a sum of ₹6,634 and at the end of the third year, he cleared off the debt by paying ₹13,200. What was the sum borrowed by him?

A ₹16,400

B ₹15,600

C ₹15,400

D ₹16,500

Answer: C

Question 75

Some fruits are bought at a rate of 11 for ₹100 and an equal number at a rate of 9 for ₹100. If all the fruits are sold at a rate of 10 for ₹100, then what is the gain or loss percent in the entire transaction?

A Gain, 1%

B Loss, 5%

C Gain, 5%

D Loss, 1%

Answer: D

English

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:
Canada is three times the size of India (1)_____ its population is only about 26 million. The average (2)_____ of population is less than three persons per square kilometer (3)_____ Canada. The distribution of population is highly (4)_____. Nearly 80 per cent of the people (5)_____ in a narrow belt less than 300 kilometer wide along the southern border. The rest of the country has a very sparse population due to excessive cold.

Question 76

Select the most appropriate option for blank No. 1

A so

B because

C but

D until

Answer: C

Question 77

Select the most appropriate option for blank No. 2

A density

B frequency

C consistency

D quantity

Answer: A

Question 78

Select the most appropriate option for blank No. 3

A on

B into

C at

D in

Answer: D

Question 79

Select the most appropriate option for blank No. 4

A rough

B differing

C uneven

D infrequent

Answer: C

Question 80

Select the most appropriate option for blank No. 5

A live

B survive

C subsist

D remain

Answer: A

Instructions
For the following questions answer them individually

Question 81

In the sentence identify the segment which contains the grammatical error.
We will rest for sometime when we will reach the top

A We will rest

B for sometime

C when we will

D reach the top

   Answer: C

Question 82

Select the wrongly spelt word.

A reminascant

B remnant

C remittance

D remembrance

   Answer: A

Question 83

Select the most appropriate word to fill in the blank.
A painting competition was held in the colony and Kavya was _____ winner in the age group 3-5 years.

A described

B supposed

C declared

D publicized

   Answer: C

Question 84

Select the most appropriate meaning of the given idiom.
butterflies in the stomach

A being excited

B being hungry

C being nervous

D being angry

 Answer: C

Question 85

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.
They didn't see you, <u>is it</u> ?

A wasn't it

B did they

C no improvement

D have they

 Answer: B

Question 86

Select the most appropriate meaning of the given idiom.
out of the woods

A no longer in trouble

B no longer young

C no longer in sight

D no longer famous

 Answer: A

Question 87

Select the word which means the same as the group of words given.
A person appointed by two parties to resolve a dispute

A arbitrator

B broker

C valuer

D auditor

 Answer: A

Question 88

Select the synonym of the given word.
DRAG

A push

B rush

C rest

D pull

   Answer: D

Question 89

In the sentence identify the segment which contains the grammatical error.
The river Yamuna has many non-native species like goldfish that is affecting its eco-system.

A that is affecting

B its eco-system

C The river Yamuna

D has many non-native species

   Answer: A

Question 90

Given below are four jumbled sentences. Select the option that gives their correct order.
A. It is one of the highly developed countries of the world.
B. It stretches from the Atlantic Ocean in the east to the Pacific Ocean in the west.
C. The USA consists of 50 states including Alaska and Hawai.
D. The United States of America (USA) is the 4th largest country in the world.

A ADCB

B CBDA

C DBCA

D CBAD

   Answer: C

Question 91

Given below are four jumbled sentences. Select the option that gives their correct order.
A. What was supposed to be a holiday of a lifetime turned into a dangerous experience for 1,300 passengers on a cruise ship off the coast of Norway.
B. The Norwegian Government decided to evacuate the passengers with the help of helicopters.
C. The ship broke down in rough seas and high-speed winds caused it to rock heavily from side to side.
D. From the first 371 evacuated passengers, 17 had to be taken to hospital.

A ABCD

B ACBD

C CBDA

D CABD

   Answer: B

Question 92

Select the wrongly spelt word.

A   hazy

B   hazard

C   hasty

D   hasitate

   Answer: D

Question 93

Select the synonym of the given word.
ENGULF

A   encroach

B   enshrine

C   entangle

D   envelop

   Answer: D

Question 94

Select the antonym of the given word.
COMIC

A   awkward

B   amusing

C   tragic

D   absurd

   Answer: C

Question 95

Select the word which means the same as the group of words given.
a family of young animals

A   brood

B   clutch

C   nest

D   offspring

   Answer: A

Question 96

Select the correct passive form of the given sentence.
Show these visitors the butterfly farm.

A These visitors should be showed the butterfly farm

B Let these visitors be shown the butterfly farm

C Let these visitors be showing the butterfly farm

D You must show these visitors the butterfly farm

  Answer: B

Question 97

Select the antonym of the given word.
GATHER

A disperse

B display

C dispute

D distract

  Answer: A

Question 98

Select the most appropriate word to fill in the blank.
The National war memorial is _____ to our Armed Forces.

A devoted

B honoured

C dedicated

D inscribed

  Answer: C

Question 99

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.
We had never seen so strong blizzard. The wind speed was 130 km per hour .

A no improvement

B such strong a blizzard

C such a strong blizzard

D so strong the blizzard

  Answer: C

Question 100

Select the correct active form of the given sentence.
The injured were being removed to the hospital by the police

A   The police was removing the injured to the hospital

B   The police has been removing the injured to the hospital.

C   The police removed the injured to the hospital

D   The injured was removing the police to the hospital.

   Answer: A