SSC CGL 4 June 2019 Shift-2

Reasoning

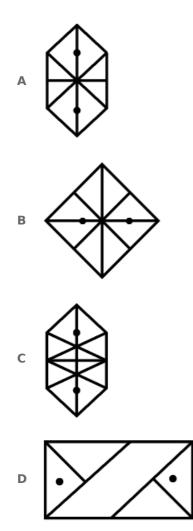
Instructions

For the following questions answer them individually

Question 1

Select the option in which the given figure is embedded.







Question 2

Which two signs should be interchanged in the following equation to make it correct? $18+6-6\div 3\times 3=6$

- \mathbf{A} + and -
- $\mathbf{B} + and \div$
- $\mathbf{C} + and \times$

 $-and \div$

Answer: B

Question 3

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

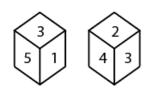
ac_d_b_cbdd_a_bddb.

- A bdabc
- **B** bdcab
- **C** cbdbc
- **D** bdbca

Answer: A

Question 4

Two different positions of the same dice are shown. Which number will be at the top if 6 is at the bottom?



- **A** 2
- **B** 3
- **C** 1
- **D** d:

Answer: B

Question 5

If BACK is coded as 11312 and CAKE is coded as 51113, then how will MADE be coded as ?

- **A** 51413
- **B** 54113
- **C** 13145
- **D** 31145

Answer: B

Question 6

Select the set in which the numbers are related in the same way as are toe numbers of the following set. (10,18, 38)

- **A** (4, 12, 22)
- **B** (12, 22, 46)
- **C** (18, 6, 14)
- **D** (14, 12, 8)

Answer: B

Question 7

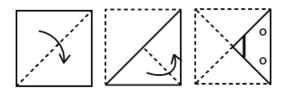
Which number will replace the question mark (?) in the following series? 2, 5, 11, 23, 44, ?

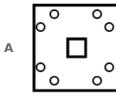
- **A** 63
- **B** 66
- **C** 51
- **D** 77

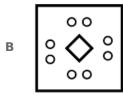
Answer: D

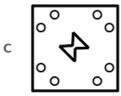
Question 8

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









	0	0	0
D	0		0
	0	0	0

Answer: A

Question 9

`Action' is related to 'Reaction' in the same way as 'Stimulus' is related to '_____'

- A Feedback
- **B** Reception
- **C** Vision
- **D** Response

Answer: D

Question 10

P is the father of Q and the grandfather of R. who is the brother of S. S's mother, T, is married to V. T is the sister of Q. How is V related to P?

- A Son
- **B** Nephew
- C Son-in-law
- D Brother-in-law

Answer: C

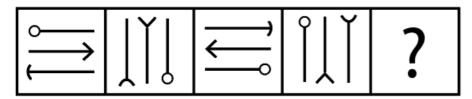
Question 11

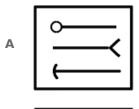
10 years ago. a father's age was $3^{\frac{1}{2}}$ times that of his son, and 10 years from now, the fathers age will be $2^{\frac{1}{4}}$ times that of the son. What will be the sum of the ages of the father and the son at present?

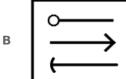
- A 120 years
- B 115 years
- C 110 years
- D 100 years

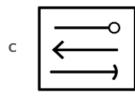
Answer: C

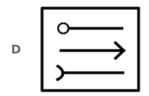
Select the figure that will come next in the following figure series.







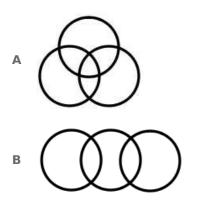


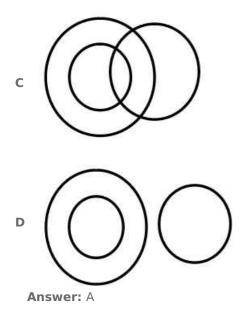


Answer: B

Question 13

Select the Venn diagram that best illustrates the relationship between the following classes. Parents, Rich Persons. Farmers





Three of the following four numbers are alike in a certain way and oue is different. Pick the number that is different from the rest.

- **A** 12
- **B** 14
- **C** 56
- **D** 30

Answer: B

Question 15

Select the word-pair in which the two words are related in the same way as are the two words in the following word-Pair. Hem : sun

- A Ride : Car
- **B** Atmosphere : Humidity
- C Home : Terrace
- **D** Vitamin : Fruit

Answer: D

Question 16

Select the option that is related to the third letter cluster in the sine way as the second letter-cluster is related to the first letter-cluster. BECD : YVXW :: DGEF : ?

- A XUWV
- B WUTV

- c WTVU
- **D** VRTS

Question 17

How many triangles are there in the following figure ?



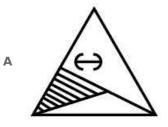
- **A** 20
- **B** 14
- **C** 18
- **D** 16

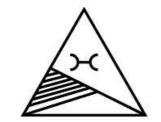
Answer: D

Question 18

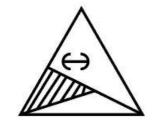
Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

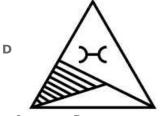






В





Answer: D

С

Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements. Statements:

Some cars are vehicles.

No vehicle is a four-wheeler.

Conclusions:

I. No car is a four-wheeler.

II. All four-wheelers are cars.

- III. Some vehicles are cars.
- A Only conclusion III follows
- **B** Only conclusion I follows
- C All conclusions follow
- D Only conclusions I and II follow

Answer: A

Question 20

Select the set in which the minibus ow related in the same way as are the numbers of the following set. (7, 13, 21)

- **A** (17, 22, 30)
- **B** (9, 16, 25)
- **C** (2, 8, 16)
- **D** (12, 18, 25)

Answer: C

Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair 4 • 32

4:32

- **A** 5:62
- **B** 10:160
- **C** 8:248
- **D** 6:108

Answer: D

Question 22

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

- A Perseverance
- **B** Firmness
- **C** Tendency
- **D** Tenacity

Answer: C

Question 23

Three of the following four letter•clusters are alike iu a certain way and oue is different. Select the odd one out.

- A HNLJ
- **B** DGEF
- C MSOQ
- D TWUV

Answer: A

Question 24

Arrange the following words in a logical and meaningful order.

- 1. Medicine
- 2. Diagnosis
- 3. Prescription
- 4. Illness
- 5. Recovery
- 6. Doctor
- **A** 4, 6, 3, 2, 1, 5
- **B** 4, 6, 2, 3, 1, 5

- **c** 4, 6, 1, 3, 2, 5
- **D** 2, 6, 4, 1, 3, 5

Answer: B

Question 25

In a code language, TEMPLE is written as DKOLDS. How will WORSHIP be written as in that language?

- A QJITSPX
- **B** OGHQRVN
- **C** VNQUHOR
- **D** OHGRQNV
 - Answer: D

General knowledge

Instructions

For the following questions answer them individually

Question 26

_____ is a group folk dance of Sikkim performed in honour of Mount Khangchendzonga, the guardian deity of the Sikkimese people.

- A Chu-Faat
- B Tendong Lo Rum Faat
- C Kinchum-Chu-Bomsa
- D Zo-Mal-Lok
 - Answer: A

Question 27

The idea of residual powers in Indian constitution has been taken from the constitution of:

- A Canada
- B USA
- **C** Japan
- **D** South Africa

Answer: A

Question 28

Which of the following is the first working prototype of Internet?

- A PANET
- **B** ARPANET
- C APNET
- D ANET

Answer: B

Question 29

_____ is the traditional musical instrument of the Limboo community of Sikkim.

- A Chyap-Brung
- **B** Chutkay
- **c** Naumati
- D Jeurum SillyAnswer: A

Question 30

Who was the founder of the Chalukya dynasty ?

- A Mangalesa
- **B** Kirtivarman
- C Narasimhavarman
- D Pulakesin I

Answer: D

Question 31

Which of the following Articles of the Constitution of India deals with the Uniform Civil Code?

- A Article 43
- **B** Article 46
- C Article 44
- **D** Article 45

Answer: C

Question 32

Name the first Indian budget carrier to join the International Air Transport Association (IATA).

- B Jet Airways
- **C** SpiceJet
- **D** GoAir

Question 33

How many great powers (Mahajanpadas) existed in the 7th and early 6th centuries BC, during the life time of Lord Gautam Buddha?

- **A** 16
- **B** 13
- **c** 11
- **D** 17

Answer: A

Question 34

Which panel set up by the Government of India suggested total decontrol of the sugar industry?

- A Sri Krishna Panel
- **B** RadheShyam Panel
- C RamSevak Panel
- D Rangarajan Panel

Answer: D

Question 35 In India, the Project Tiger was started in _____.

- **A** 1982
- **B** 1992
- **C** 1979
- **D** 1973

Answer: D

Question 36

Which of the following Public Sector Undertakings was accorded the Maharatna in February 2013 ?

- A ONGC
- B OIL
- C BHEL
- D CIL

Question 37

Who was the first ever female secretary general of SAARC (South Asian Association for Regional Cooperation)?

- A Fathimath Dhiyana Saeed
- **B** Jeremiah Nyamane Kingsley
- C António Guterres
- D Madeleine AlbrightAnswer: A

Question 38

Which of the following states passed the Maintenance of Household Registers Bill in March 2019?

- A Assam
- **B** Mizoram
- C Odisha
- D West Bengal
 - Answer: B

Question 39

Which of the following Biosphere Reserves was the first to be established by the Government of India?

- A SundarbBiosphere Reserve
- B Nanda Devi Biosphere Reserve
- C Gulf of Mannar Biosphere Reserve
- D Nilgiri Biosphere Reserve

Answer: D

Question 40

Buckminsterfullerene is an allotrope of:

A Phosphorus

- B Boron
- **C** Carbon
- **D** Iron

Question 41

Which of the following is NOT one of the monarchical states that existed in the 7th and early 6th centuries BC in India?

- A Magadha
- **B** Avanti
- **C** Vaishali
- D Kosala

Answer: C

Question 42

Which of the following is an aldehyde?

- A Propine
- **B** Propanol
- **C** Propanal
- **D** Propanone

Answer: C

Question 43

Name the pass in Uttarakhand which is used by pilgrims to Kailash-Mansarovar Yatra.

- A Lipu Lekh
- B Pensi La
- C Khardung La
- **D** Banihal Pass

Answer: A

Question 44

Name the first ever female prime minister in the world.

- A Sirimavo Bandaranaike
- B Elisabeth Domitien

- c Golda Meir
- **D** Indira Gandhi

Answer: A

Question 45

Which team won the Ranji Trophy final 2017?

- A Vidarbha
- **B** Mumbai
- C Delhi
- **D** Punjab

Answer: A

Question 46

Which of the following has a strong fruity fragrance?

- A Methanol
- B Ethyl acetate
- C Methyl chloride
- **D** Methanoic acid

Answer: B

Question 47

The Special Olympics World Games 2019 was inaugurated at _____.

- A Sweden
- B Abu Dhabi
- **C** Austria
- **D** Germany
 - Answer: B

Question 48

Name the state Chandragupta-I got in dowry from the Lichhavis.

- A Prayaga
- **B** Saketa

- c Pataliputra
- **D** Ujjain

Question 49

Name the gland that controls the functioning of other endocrine glands.

- A Rineal gland
- **B** Pancreas
- C Pituitary gland
- **D** Adrenal gland

Answer: C

Question 50

In March 2019, social media platforms and the Internet and Mobile Association of India (IAMAI) presented a______ to the Election Commission of India.

- A Centre of Voting List
- B Detailed To Do List
- C Voluntary Code of Ethics
- **D** Precautionary Code

Answer: C

Quant

Instructions

For the following questions answer them individually

Question 51

If $[8(x+y)^3 - 27(x-y)^3] \div (5y-x) = Ax^2 + Bxy + Cy^2$, then the value of (A + B + C) is:

- **A** 26
- **B** 16
- **C** 13
- **D** 19

Answer: B

Question 52

If the 8-digit number is divisible by 789x531y is divisible by 72, then the value of (5x - 3y) is:

- **A** 1
- **B** 2
- **C** 0
- **C** 0
- **D** -1

Answer: D

Question 53

The income of Raju is 20% more than his expenditure. If his income increases by 60% and his expenditure increases by 70%, then by what percent does his savings increase/decrease?

- A It decreases by 2%
- **B** It increases by 2%
- **C** It decreases by 10%
- **D** It increases by 10%

Answer: D

Question 54

If $\cos heta = {2p \over 1+p^2}$, then $\tan heta$ is equal to:

A $\frac{1-p^2}{2p}$ **B** $\frac{p^2}{1+p^2}$ **C** $\frac{1-p^2}{1+p^2}$ **D** $\frac{2p}{1-p^2}$

Answer: A

Question 55

The average weight of a certain number of students in a class is 68.5 kg. If 4 new students having weights 72.2 kg, 70.8 kg, 70.3 kg and 66.7 kg join the class, then the average weight of all the students increases by 300 g. The number of students in the class, initially, is:

A 16

- **B** 21
- **C** 11
- **D** 26
 - Answer: A

If x is subtracted from each of 23, 39, 32 and 56, the numbers so obtained, in this order, are in proportion. What is the mean proportional between (x + 4) and (3x + 1)?

- **A** 10
- **B** 14
- **C** 12
- **D** 15

Answer: C

Question 57

Renu bought an article for ₹1,240 and sold it at a loss of 25%. With this amount, she bought another article and sold it at a gain of 40%. Her overall percentage profit is:

A 12
B 6²/₃
C 5
D 15
Answer: C

Question 58

 \triangle ABC is similar to \triangle DEF . The area of \triangle ABC is 100 cm² and the area of \triangle DEF is 49 cm² If the altitude of \triangle ABC = 5 cm, then the corresponding altitude of \triangle DEF is:

- **A** 4.5 cm
- **B** 6 cm
- **C** 3.5 cm
- **D** 7 cm

Answer: C

Question 59

A takes 30 minutes more than B to cover a distance of 15 km at a certain speed. But if A doubles his speed, he takes one hour less than B to cover the same distance. What is the speed (in km/h) of B?

- **A** 5
- **B** 6
- **C** 6^{1}_{2}
- **D** 5^{1}_{2}
 - Answer: B

How much iron sheet (in m²) will be needed to construct a rectangular tank measuring 10 m \times 8 m \times 6 m, if a circular opening of radius one metre is to be left at the top of the tank? (correct to one decimal place)

- **A** 370.4
- **B** 370.8
- **C** 372.9
- **D** 371.6
 - Answer: C

Question 61

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

Years →	2013	2014	2015	2016	2017
Cars 🗸	2015	2014	2015	2010	2017
Α	35	40	48	50	36
В	39	45	54	60	72
С	52	25	32	54	45
D	50	42	45	46	47
E	36	46	42	48	55

If the data regarding the production of cars of type B is represented by a pie-chart. then the angle of the sector representing the production of cars in 2016 will be:

- **A** 80°
- **B** 72°
- **C** 96°
- D 60°
 - Answer: A

Question 62

The compound interest on a certain sum in 2¹/₂ years at 10% p.a., interest compounded yearly, is ₹1,623 The sum is:

- **A** ₹5,000
- **B** ₹6,000
- **C** ₹7,200
- **D** ₹6,500

Answer: B

Question 63

 $\left(\frac{\sin\theta-2\sin^3\theta}{2\cos^3\theta-\cos\theta}\right)^2+1, \theta \neq 45^\circ$ is equal to:

- **A** $2 \tan^2 \theta$
- $\mathbf{B} \quad \cot^2 \theta$
- **C** $\operatorname{cosec}^2 \theta$
- **D** $\sec^2 \theta$

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Answer: D
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Instructions

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

Years →	2013	2014	2015	2016	2017
Cars 🗸					
Α	35	40	48	50	36
В	39	45	54	60	72
С	52	25	32	54	45
D	50	42	45	46	47
E	36	46	42	48	55

Question 64

The total production of cars of type B in 2013, 2014, 2015 and 2017 taken together is what percent less than the total production of all types of cars in 2017 ? (Correct to one decimal place) ?

- **A** 15.8
- **B** 18.2
- **C** 18.4
- **D** 17.6

Answer: D

Question 65

The production of cars of type A in 2015 and of type C in 2013 taken together is approximately what percent of the total production of cars of type D in five years ?

- **A** 40.2
- **B** 42.4
- **C** 43.5
- **D** 42.8

Answer: C

Instructions For the following questions answer them individually

Question 66

Two circles of radii 10 cm and 8 cm intersect at the points P and Q. If PQ = 12 cm, and the distance between the centres of the circles is x cm. The value of x (correct to one decimal place) is:

- **A** 12.8
- **B** 13.3
- **C** 13.9
- **D** 14.8
 - Answer: B

The ratio of the efficiencies of A, B and C is 4 : 5 : 3 Working together, they can complete that work in 25 days. A and C together will complete 35% of that work in:

- A 10 days
- **B** 12 days
- C 18 days
- D 15 days

Answer: D

Question 68

The marked price of an article is ₹315 It is sold for ₹288. If there is a loss of 4%, then by what percent above the cost is the article marked?

- **A** 8 **B** 6^{1}_{2}
- **C** 5^{1}_{2}
- **D** 5

Answer: D

Question 69

A triangle ABC is inscribed in a circle with centre O. AO is produced to meet the circle at K and AD \perp BC. If \angle B = 80° and \angle C = 64°, then the measure of \angle DAK is:

- A 10°
- **B** 16°
- **C** 12°
- D 20°

Answer: B

In \triangle ABC, AD \perp BC and BE \perp AC. AD and BE intersect each other at F . If BF = AC, then the measure of \angle ABC is:

Α	70°		
В	60°		
С	50°		
D	45°		
Δ	Answer: D		
Question 71			

If $16x^2 + 9y^2 + 4z^2 = 24(x - y + z) - 61$, then the value of (xy + 2z) is:

•	1
A	

- **B** 2
- **C** 5
- **D** 3

Answer: C

Question 72

The value of $5\div 5$ of $5\times 2+2\div 2$ of $2\times 5-(5-2)\div 6\times 2$ is:

A	9 5		
B	23 2		
С	19		
D	19 10		
Answer: D			

Question 73

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

Years →	2013	2013 2014	2015	2016	2017
Cars 🗸					
Α	35	40	48	50	36
В	39	45	54	60	72
С	52	25	32	54	45
D	50	42	45	46	47
E	36	46	42	48	55

The ratio of the total production of cars of type C and E taken together in 2013 to the total production of cars of type D in 2014 and 2016 and type E in 2017 taken together is:

- **A** 13:32
- **B** 5:8
- **C** 8:13
- **D** 8:11

Question 74

If x + y + z = 19, xy + yz + zx = 114, then the value of $\sqrt{x^3 + y^3 + z^3 - 3xyz}$ is:

- **A** 13
- **B** 19
- **c** 17
- **D** 21

Answer: B

Question 75

If $0^{\circ} < \theta < 90^{\circ}$ and $\cos^2 \theta = 3(\cot^2 \theta - \cos^2 \theta)$ then the value of $(\frac{1}{2} \sec \theta + \sin \theta)^{-1}$ is:

- **A** $2(\sqrt{3}-1)$
- **B** $\sqrt{3} + 1$
- **c** $\sqrt{3} + 2$
- **D** $2(2-\sqrt{3})$
 - Answer: D

English

Instructions

For the following questions answer them individually

Question 76

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement. If you join this job now, it proves to be good in the long run.

- A it proves good
- **B** it will prove to be good
- **C** No improvement
- **D** it has proved to be good

Answer: B

Select the antonym of the given word. TENDER

- A gentle
- **B** warm
- C soft
- D rough

Answer: D

Question 78

In the sentence identify the segment which contains the grammatical error. She got two quick promotions in order that she has good communication skills.

- A two quick promotions
- B She got
- **C** in order that
- **D** she has good communication skills

Answer: C

Question 79

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

A. That sort of pollution, which is also widespread in other south east Asian nations, regularly kills wildlife like whales and turtles that ingest the waste.

B. Environmental groups have tagged the Philippines as one of the world's biggest ocean polluters due to its reliance on single-use plastic.

C. In Thailand also, a whale died last year after swallowing more than 80 plastic bags.

D. In the latest case, a whale with d: kilos of plastic trash in its stomach died on Saturday in southern Philippines where it was stranded a day earlier.

A BCAD

B DABC

- **C** BADC
- **D** ABCD

Answer: C

Question 80

Select the most appropriate meaning of the given idiom. get out of hand

- A get out of control
- **B** give up something
- C get upset
- **D** to complete a task

Answer: A

Question 81

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

I look for a better job for the last two months, but nothing is in sight.

- A looked for a better job
- **B** have been looking for a better job
- C No improvement
- **D** have looked for a better job

Answer: B

Question 82

Select the correct active form of the given sentence. The main gate of the building was being guarded by gun-totting guards.

- **A** Gun-totting guards guarded the main gate of the building.
- **B** The main gate of the building were guarding gun-totting guards.
- **C** Gun-totting guards were guarding the main gate of the building.
- **D** Gun-totting guards have been guarding the main gate of the building.

Answer: C

Question 83

Select the antonym of the given word. ESCALATE

- A reduce
- **B** enlarge
- **C** heighten
- **D** raise

Answer: A

Question 84

Select the most appropriate meaning of the given idiom. costs an arm and a leg

- A easy to obtain
- **B** very expensive
- **C** rarely available
- D nothing to lose

Answer: B

Question 85

Select the wrongly spelt word.

- A exempt
- **B** exhale
- **c** examplify
- **D** example

Answer: C

Question 86

Select the correct passive form of the given sentence. Do not park your car in front of my house.

- **A** Your car could not be parked in front of my house.
- **B** My house should not be parked in front of your car.
- **C** Your car need not be parked in front of my house.
- **D** Your car should not be parked in front of my house.

Answer: D

Question 87

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

- A. The elephant tusks were tracked from the Democratic Republic of Congo for two months.
- B. Customs officials in Thailand say it's the biggest seizure in the country's history.
- C. Four tonnes of ivory, with a market value of \$6 million it was an impressive haul.

D. Officials say they were being transported to Laos, from where they believed the ivory would be sold to customers across Asia.

- A ABCD
- B ACDB
- C CBAD
- D CABD

Answer: C

Select the word which methe same as the group of words given. A person, animal or plant belonging originally to a place

- A occupant
- **B** resident
- **C** alien
- **D** native
 - Answer: D

Question 89

In the sentence identify the segment which contains the grammatical error. Due to the Cyclone Idai vast areas of land have been flooded, roads destroyed and communications disrupting in Zimbabwe and Mosambique.

- A vast areas of land have been flooded
- B Due to the Cyclone Idai
- C roads destroyed
- **D** and communications disrupting

Answer: D

Question 90

Select the wrongly spelt word.

- A communication
- **B** comparable
- **C** compitition
- **D** comparison

Answer: C

Question 91

Select the synonym of the given word. TILT

- A straighten
- **B** slant
- C cross
- **D** support
 - Answer: B

Select the most appropriate word to fill in the blank. Scientists at Cambridge University are _____ how plants can give us sustainable energy.

- **A** scrutinizing
- **B** inspecting
- **C** looking
- **D** investigating

Answer: D

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:

An Italian mayor has been cleaning the streets along with his councilors after their town (1)_____ with no manual workers, it's reported. In fact, (2)_____ was sweeping the piazza in front of the (3)_____ church in preparation for market day, (4)_____ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfaliu's last (5)_____ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Question 93

Select the most appropriate option for blank No.1

- A leaves
- B has left
- C was leaving
- D was left

Answer: D

Question 94

Select the most appropriate option for blank No.2

- A he
- **B** they
- **C** it
- D she

Answer: A

- A local
- **B** next
- **C** near
- **D** neighbour

Answer: A

Question 96

Select the most appropriate option for blank No.4

- A as well
- **B** alongside
- **c** along
- D also

Answer: B

Question 97

Select the most appropriate option for blank No.5

- A councillor
- **B** mayor
- **C** member
- **D** worker

Answer: D

Instructions

For the following questions answer them individually

Question 98

Select the most appropriate word to fill in the blank.

The State Government argued that it could not _____ the increase in the teachers' salaries as awarded by the court.

- A get
- **B** afford
- C spare
- **D** stand

Answer: B

Question 99

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

A person without a settled home or regular work who wanders from place to place and lives by begging.

- A migrant
- **B** truant
- **C** itinerant
- **D** vagrant

Answer: D

Question 100

Select the synonym of the given word. GARRULOUS

- **A** concise
- **B** throaty
- **C** guttral
- **D** talkative

Answer: D