SSC CGL 6 June 2019 Shift-2

Reasoning

Instructions

For the following questions answer them individually

Ouestion 1

In a family of eight persons, there are two couples, each having two children. C and are cousin brothers. The father of E is married to G, who is the aunt of F. F's mother, H, is married to B, the brother of A. C is the nephew of H. How is A related to D?

Α	Ui	nc	le

- **B** Brother
- **C** Nephew
- **D** Father

Answer: A

Question 2

'Dumbness' is related to 'Speech' in the same way as '.....' is related to 'Memory'.

- **A** Thoughtlessness
- **B** Amnesia
- **C** Recognition
- **D** Illusion

Answer: B

Question 3

Select the set in which the numbers are related in the same way as are the numbers of the following set. (15, 22, 31)

- **A** (7, 14, 23)
- **B** (5, 11, 20)
- **C** (23, 30, 40)
- **D** (11, 18, 29)

Answer: A

Question 4

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

dc_abc_cb_bcd_ba_c

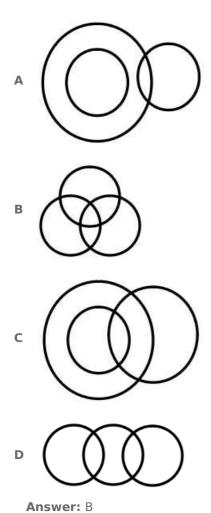
- A dbacb
- **B** cbadb

- **c** bdacb
- **D** bdcab

Answer: C

Question 5

Select the Venn diagram that best illustrates the relationship between the following classes. Doctors, Salaried Persons, Parents



Question 6

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

Happy: Mirthful:: Sad:?

- **A** Contented
- **B** Jolly
- **C** Morose
- **D** Gleeful

Answer: C

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





- **A** 4
- **B** 2
- **C** 6
- **D** 5

Answer: A

Question 8

Which number will replace the question mark (?) in the following series? 2,3,6, 10, 17, 28,?

- **A** 45
- **B** 39
- **C** 43
- **D** 46

Answer: D

Question 9

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

- A ZOOM
- **B** PAST
- **C** BIRD
- **D** DECK

Answer: A

Question 10

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.

28:63

- **A** 16:36
- **B** 36:78
- **c** 12:28

Answer: A

Question 11

Out of these following four words, three belong to the same category and one word belongs to a different category. Identify the odd one out.

- A Guava
- **B** Pomegranate
- **C** Cucumber
- **D** Papaya

Answer: C

Question 12

₹820 is divided among 6 men, 8 women and 12 boys in such a way that every woman gets an amount equal to that received by one man and one boy combined and that every man gets one and a half times the amount received by a boy. What is the total amount received by 8 women?

- **A** ₹400
- **B** ₹300
- **C** ₹240
- **D** ₹380

Answer: A

Question 13

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

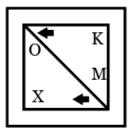


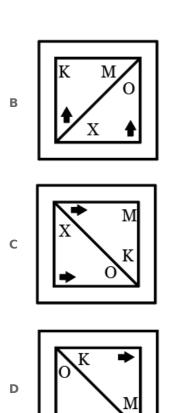






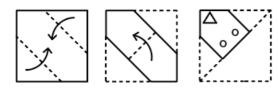
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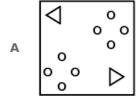


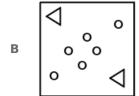


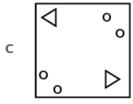
Answer: A

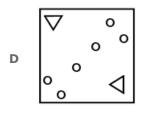
A square paper is folded and cut as shown below. How will it appear when unfolded?







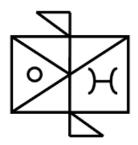


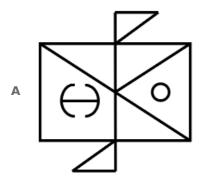


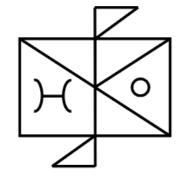
Answer: A

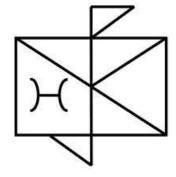
Question 15

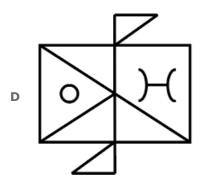
Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.











Answer: B

Question 16

Arrange the following words in a logical and meaningful order.

- 1. Writing
- 2. Distributing
- 3. Publishing
- 4. Printing
- 5. Editing
- **A** 1,2,3,4,5
- **B** 2,4,3,1,5
- **C** 2,3,4,5,1
- **D** 1,5,4,3,2

Answer: D

Question 17

If POSTER is coded as 592314 and DARK is coded as 8647, then how will STROKE be coded as ?

- **A** 234917
- **B** 234971
- C 493287
- **D** 329417

Answer: B

Question 18

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.

JKLM: HLKO:: PQRS:?

- **A** NRQU
- **B** MRQV
- **C** NQRU
- D ORQT

Answer: A

Question 19

Select the set in which the numbers are related in the same way as are the numbers of the following set.

(12, 16, 28)

- **A** (18, 24, 42)
- **B** (9, 15, 21)
- **C** (36,48, 77)
- **D** (20, 25, 35)

Answer: A

Question 20

Which two signs should be interchanged in the following equation to make it correct? $12-6 \div 12 \times 6 + 6 = 9$

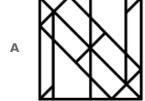
- $\mathbf{A} \div and \times$
- $\mathbf{B} + and \div$
- $\mathsf{C} and +$
- $\mathbf{D} \times and +$

Answer: C

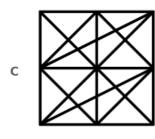
Question 21

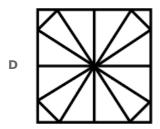
Select the option in which the given figure is embedded.











Answer: C

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 students are players.

Some players are athletes.

Conclusions:

- I. Some students are athletes.
- II. Some players are students.
- III. No student is an athlete.
- A Only conclusionII and either conclusion I or III follow
- **B** None of the conclusions follows
- C Only conclusion I follows
- D Only conclusions II and III follow

Answer: A

Question 23

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

- **A** 166
- **B** 341
- **C** 132
- **D** 209

Answer: A

In a code language,	TEACHING is written	as SDBDGHOH.	How will	BOOKWORM	be written	as in	that
language?							

- **A** ANPLXNNS
- **B** ANPLXPSL
- C CPNIJXPSL
- **D** ANPLVNSN

Answer: D

Question 25

How many triangles are there in the following figure ?



- **A** 12
- **B** 13
- **C** 11
- **D** 15

Answer: D

General knowledge

Instructions

For the following questions answer them individually

Question 26

_____ is a scientific discipline concerned with the study of plant pollen, spores, and certain microscopic planktonic organisms, in both, living and fossil form.

- **A** Paleobotany
- **B** Ethnobotany
- **C** Dendrology
- Palynology

Answer: D

Qι	uestion 27	
	is the branch of zoology concerned with the study of amphibians.	
A	Herpetology	
В	Ethology	
С	Mammology	
D	Morphology	
	Answer: A	
Qι	uestion 28	
	is the study of the microanatomy of cells, tissues and organs as seen through a microscope	
A	Paleontology	
В	Histology	
C	Ichthyology	
D	Entomology	
	Answer: B	
Qι	uestion 29	
	ala Bhavana, founded in 1919, is a noted institution of education and research in visual arts. It i	s
100	cated in	
A	Bihar	
В	Uttar Pradesh	
С	West Bengal	
D	Sikkim	
	Answer: C	
_	uestion 30 hich of the following passes connects Tawang with Lhasa?	
	Chankan Pass	
В	Bum La Pass	
С	Hpungan Pass	
	Kumjawng Pass	
	Answer: B	
Qι	uestion 31	

Poush Mela displays local artisians displaying folk dances, music, food and culture of _____

A	Gujarat
В	West Bengal
C	Rajasthan
D	Uttarakhand
A	Answer: B
Qu	estion 32
Pra	amod Sawant became Chief Minister of which Indian state in March, 2019?
A	Tamil Nadu
В	Goa
C	Kerala
D	Maharashtra
A	Answer: B
Qu	estion 33
In	March 2019, who among the followings was appointed as India's first Lokpal?
A	Justice A K Sikri
В	Justice N V Ramana
C	Justice Pinaki Chandra Ghose
D	Justice S A Bobde
A	Answer: C
Qu	estion 34
	March 2019, India won five silver medals at the Makran Cup Boxing Tournament in Iran. Who among e following is NOT one of the silver medallists?
A	Duryodhan Singh Negi
В	P Lalitha Prasad
C	Deepak Singh
D	Manish Kaushik
A	Answer: C
Qu	estion 35
Th	e invasion of Delhi by Timur in A.D marked the end of the Tughlaq empire.

C	1452
D	1215
	Answer: B
	estion 36
WI	no among the following was one of the Governors during the reign of Alauddin Khilji?
A	Jalal-ud-din Khilji
В	Shams-ud-din Iltutmish
C	Ghiyasuddin Tughlaq
D	Nasiruddin Mahmud
	Answer: C
Qι	estion 37
TV	remote controls work on the principle of
A	Ultrasonic waves
В	Laser technology
C	Bluetooth technology
D	Infrared waves
	Answer: D
Qι	estion 38
	no was appointed as the director of Bhabha Atomic Research Centre (BARC) for a period of three years March 2019?
A	Vishvapavan Pati
В	Kamlesh Nilkanth Vyas
C	Satyajeet Rajan
D	Ajit Kumar Mohanty
	Answer: D
Οı	estion 39
	vernment of India nominated member of NITI Aayog, to head the Food and Agricultural
	ganisation (FAO) in March 2019
A	Ramesh Chand

B 1398

В	Binay Ranjan Sen
C	V K Paul
D	Amitabh Kant
	Answer: A
Qu	uestion 40
WI	ho founded the Sayyid dynasty?
A	Nizam Shah
В	Muhammad-bin-Farid
C	Khizr Khan
D	Bahlul Khan
1	Answer: C
Qu	uestion 41
Ma	ajuli, the largest river island in the world is located in
A	Arunachal Pradesh
В	Assam
C	Nagaland
D	Uttar Pradesh
	Answer: B
	nestion 42 hich of the following passes is known as the gateway connecting Jammu and Srinagar?
A	Lanak-La Pass
В	Chang-La Pass
C	Banihal Pass
D	Aghil Pass
	Answer: C
	uestion 43
	in Himachal Pradesh is a famous tourist attraction.
A	Aghil Pass
В	Chang-La Pass
C	Mintaka Pass

D	Rohtang Pass
1	Answer: D
Qu	estion 44
Th	e government of India appointedas the director-general of the National Archives of India
A	Kamlesh Vyas
В	Binay Sen
C	V K Paul
D	P V Ramesh
1	Answer: D
	estion 45
A	sustained rise in the general price level in an economy is called
A	Disinflation
В	Deflation
C	Inflation
D	Stagflatio
	Answer: C
Qu	estion 46
WI	no founded the Indian Statistical Institute on 17 December 1931?
A	P.C. Mahalanobis
В	R.A. Fischer
C	F. Yates
D	M.H. Hansen
	Answer: A
Qu	estion 47
	was observed nationwide from 24th to 30th April, 2019.
A	World Tourism Week
В	World Immunization Week
C	World Environment Week
D	World Postal Week
/	Answer: B

Qι	estion 48
Ru	st needs three components to occur, i.e.,
A	Steel, iron and oxygen
В	Iron, oxygen and moisture
С	Iron, nitrogen and moisture
D	Helium, hydrogen and nitrogen
1	Answer: B
Qι	estion 49
ev	created history in its second Twenty 20 International against Ireland by achieving the highest er T20 total at the Rajiv Gandhi International Cricket Stadium in Dehradun, Uttarakhand.
A	Pakistan
В	India
С	Afghanistan
D	Australia
	Answer: C
Qι	estion 50
WI	nich of the following articles promotes equal justice and free legal aid for all the citizens?
A	39A
В	32A
С	43A
D	48A
1	Answer: A
	Quant
	structions r the following questions answer them individually

The efficiencies of A, B and C are in the ratio 5:3:8. Working together they can complete a work in 30

days. A and B worked together for 20 days. The remaining work will be completed by C alone in:

40 days

Question 51

B 36 days

- c 30 days
- **D** 32 days

Answer: A

Question 52

If $\cos^2\theta-\cos^2\theta=3,0^\circ<\theta<90^\circ$, then the value of $\cot\theta+\csc\theta$ is:

- A $\sqrt{3}$
- $\mathbf{B} \quad \stackrel{\sqrt{3}}{\overset{}{_2}}$
- **c** $2\sqrt{3}$
- **D** $3^{\sqrt{3}}_{4}$

Answer: A

Question 53

In \triangle ABC with sides 6 cm, 7 cm and 8 cm,the angle bisector of the largest angle divides the opposite side into two segments. What is the length of the shorter segment?

- \mathbf{A} $\begin{array}{cc} 24 \\ 5 \end{array}$ cm
- **B** ${}^{21}_{5}$ cm
- **c** $^{48}_{13}$ cm
- **D** $^{56}_{13}$ cm

Answer: C

Question 54

The distance between two stations A and B is 800 km. A train X starts from A and moves towards B at 40 km/h and another train Y starts from B and moves towards A at 60 km/h. How far from A will they cross each other?

- **A** 380 km
- **B** 320 km
- **C** 300 km
- **D** 360 km

Answer: B

Question 55

If $2x^2+y^2+6x-2xy+9=0$, then the value of $(4x^3-y^3+x^2y^2)$ is:

A	0
В	9
С	-3
D	-9
<u> </u>	inswer: A
Qu	estion 56
	e vertices of a \triangle PQR lie on a circle with centre O. SR is a tangent to the circle at the point R. If QR ects the \angle ORS, then what is the measure of \angle RPQ?
A	60°
В	45°
С	40°
D	30°
A	nswer: B
Qu	estion 57
	circle with centre O, ACBO is a parallelogram where C is a point on the minor are AB. What is the asure of AOB?
A	150°
В	100°
С	110°
D	120°
A	nswer: D
Ou	estion 58
	$\sin heta = 4\cos heta$, then what is the value of $\sin heta \cos heta$?
Α	2 9
В	3 10
С	$\frac{4}{17}$
D	$\frac{3}{4}$
<u> </u>	answer: C

ABDC is a parallelogram in which diagonals AD and BC intersect at O. AE and DF are perpendiculars on BC at E and F, respectively. Whichofthe following is NOT true?

 $A \triangle ABC \cong \triangle DCB$

B $\triangle AOE \cong \triangle DOF$

C $\triangle AEB \cong \triangle DFC$

D $\triangle ADC \cong \triangle ABD$

Answer: D

Question 60

The average of twelve numbers is 46. The average of the first four numbers is 43 and that of the last five numbers is 49.4. The 5^{th} and the 6^{th} numbers are respectively 4 and 6 more than the 7^{th} number. What is the average of the 5^{th} and the 7^{th} numbers?

A 43.5

B 43

C 44.5

D 44

Answer: B

Question 61

The value of

$$\begin{smallmatrix}9\\15\end{smallmatrix} of \left(\begin{smallmatrix}2&&2\\3&\div&3\end{smallmatrix} of \begin{smallmatrix}3\\2\end{smallmatrix}\right) \div \left(\begin{smallmatrix}3&&3&&3\\4&\times&4\end{smallmatrix} of \begin{smallmatrix}4\\3\end{smallmatrix}\right) of \left(\begin{smallmatrix}5&&5&&2\\4\div&2&\times&5\end{smallmatrix} of \begin{smallmatrix}4\\5\end{smallmatrix}\right) \textbf{is:}$$

A ${}^{20}_{9}$

B $\frac{4}{25}$

C 18

D $\frac{40}{9}$

Answer: D

Question 62

If x+y =12 and xy = 27, x > y, then the value of $\left(x^3-y^3\right)$ is:

A 720

B 702

C 724

D 710

Answer: B

Question 63

What is the compound interest on a sum of ₹10,000 at 14% p.a. for $2\frac{5}{7}$ years where the interest is compounded yearly? (nearest to ₹1)

- **A** ₹4,259
- **B** ₹4,296
- **C** ₹4,439
- **D** ₹4,394

Answer: B

Question 64

Abhi bought two articles for ₹624. He sold one at a loss of 14% and the other at a profit of 14%. If the selling price of both the articles is equal, then the difference between their cost prices (in ₹) is:

- **A** 89.64
- **B** 87.36
- **C** 89.68
- **D** 88.84

Answer: B

Question 65

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

Year →	2012	2013	2014	2015	2016
Car ↓	2012	2013	2014	2015	2016
Α	54	58	60	63	55
В	40	54	56	61	67
С	46	50	63	73	77
D	33	35	48	45	49
E	47	43	53	48	52

The total production of type E cars in 2012 and 2013 is approximately what percent more than the average production of type A cars during the years 2012 to 2016?

- **A** 53.8
- **B** 55.2
- C 52.2
- **D** 56.4

Answer: B

The length of a metallic pipe is 7.56 m.lts external and internal radii are 2.5 cm and 1.5 cm respectively. If 1 cm 3 of the metal weigh 7.5 g, then the weight of the pipe is:(Take $\pi={22\atop7}$)

- **A** 72.82kg
- **B** 70.14kg
- **C** 71.28kg
- **D** 69.68 kg

Answer: B

Question 67

Let $a=\frac{2\sin x}{1+\sin x+\cos x}$ and $b=\frac{c}{1+\sin x}$. Then a = b, if c = ?

- A $1 \sin x \cos x$
- $\mathbf{B} \quad 1 + \sin x \cos x$
- C $1 + \sin x \cos x$
- $\mathbf{D} \quad 1 + \cos x \sin x$

Answer: B

Question 68

If $x^2+y^2+z^2=133, xy+yz+zx=114$ and xyz = 216, then the value of $x^3+y^3+z^3$ is:

- **A** 948
- **B** 999
- **C** 943
- **D** 1009

Answer: D

Instructions

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С	46	50	63	73	77
D	33	35	48	45	49
E	47	43	53	48	52

Question 69

The total production of all type of cars, except type B, in 2012 is what percent less than the total production of all types of cars in 2016?

A	40
В	25.8
С	26.7
D	42
P	Answer: A
	estion 70
	the data related to the production of type D cars is represented by a pie chart, then the central angle the sector representing the production of cars in 2013 will be:
A	84°
В	75°
С	60°
D	77°
P	Answer: C
Qu	estion 71
	nat is the ratio of the total production of type E cars in 2014 and type C cars in 2016 taken together to e total production of type B cars in 2014 and type D cars in 2013 taken together?
A	9:8
В	10:7
С	11:8
D	11:5
P	Answer: B
	tructions the following questions answer them individually
Qu	estion 72
	nen the price of an item was reduced by 20%, then its sale increased by x%.If there is an increase of $\%$ in the receipt of the revenue, then the value of x is:
A	120
В	96
С	100
D	80
P	Answer: C

The ratio of the present ages of A and is 8:9. After 9 years, this ratio will become 19:21. C is 3	years
younger to B. What is the present age (in years) of C?	

A 49

B 48

C 51

D 52

Answer: C

Question 74

If a 9-digit number 32x4115y2 is divisible by 88, then the value of (4x - y) for the smallest possible value of y, is:

A 31

B 20

C -1

D 11

Answer: C

Question 75

A trader marks his goods at 40% above the cost price. He sells 70% of the goods at the marked price and the rest, he sells by allowing a 40% discount on the marked price. His percentage profit is:

A 23.4

B 24.2

C 23:2

D 24.4

Answer: C

English

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. Canada accounts for nearly one-third of the world's production of news print.
- B. Forest products, therefore, have been important export items of Canada for more than a century.
- C. A large part of Canada is covered with coniferous trees.
- D. Pulp and paper are the two most important forest products.

A	ABCD		
В	DCAB		
С	CBDA		
D	BACD		
-	Answer: C		
Qu	estion 77		
Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement. The Head has been so busy to go through these files and resolve the matter.			
A	such busy to go through		
В	too busy to go through		
С	No improvement		
D	too so busy to go through		
P	Answer: B		
Qu	estion 78		
	lect the correct active form of the given sentence. e wall of this park is being painted by children.		
A	Children are painting the wall of this park		
В	The wall is painting children of this park		
С	Children have been painting the wall of this park		
D	Children painted the wall of this park		
P	Answer: A		
Qu	estion 79		
	lect the synonym of the given word. TICE		
A	ensue		
В	entail		
С	enrage		
D	entrap		
P	Answer: D		

Question 80 Select the synonym of the given word. **DUBIOUS** certain **B** fishy **C** loyal **D** steady Answer: B **Question 81** Select the antonym of the given word. **FINITE A** finished **B** limited **C** bound **D** endless Answer: D

Question 82

Select the most appropriate meaning of the given idiom. Couch potato

- A a person who sleeps all day
- **B** a person who watches too much television
- **C** a person who remains relaxed and calm
- **D** a person who is simple in nature

Answer: B

Question 83

Select the wrongly spelt word

- A rendezvous
- **B** renassaince
- **C** remuneration
- **D** remonstrate

Answer: D

Qu	estion 84
In	lect the most appropriate option to fill in the blank. many countries the in pay for men and women is quite common, for example, in Germany women e paid 21 per cent less as compared to men.
A	unlikeliness
В	equivalence
С	disagreement
D	disparity
A	Answer: D
Qu	estion 85
	lect the most appropriate meaning of the given idiom. ad someone by the nose
A	to do the right thing
В	to force someone to take the blame
С	to dominate someone
D	to quarrel with someone
4	Answer: C
	lestion 86 lect the wrongly spelt word
A	megre
В	meadow
С	matter
D	measure
1	Answer: A
Qu	estion 87
su	lect the most appropriate option to substitute the underlined segment in the given sentence. If no bstitution is required, select No improvement. u won't tell the secret, <u>won't you?</u>
A	No improvement
В	would you
С	will you
D	isn't it

Answer: C

Ins	tructions
	the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. ect the most appropriate option for each blank.
In I	mprehension: 1914 a war began in Europe which engulfed the entire world. The damage (1) by this war has no precedent in tory. (2) the earlier wars, the civilian populations were (3) not involved and the casualties were mostly to the warring armies. The war (5) began in 1914 was a total war in which all the resources of the rring states were mobilized.
Qu	estion 88
Se	lect the most appropriate option for blank No. 1
A	made
В	caused
С	generated
D	began
A	Answer: B
Qu	estion 89
Se	lect the most appropriate option for blank No. 2
Α	At
В	Into
	In
	On Control of the Con
F	Answer: C
Qu	estion 90
Se	lect the most appropriate option for blank No. 3
A	generally
В	broadly
С	chiefly
D	finally
A	Answer: A
Qu	estion 91
Se	lect the most appropriate option for blank No. 4

belonged

confined

C	reatrained
D	bound
P	nswer: B
Qu	estion 92
Se	ect the most appropriate option for blank No. 5
_	
Α	which
В	whom
C	what
D	Who
A	nswer: A
Ins	tructions
	the following questions answer them individually
Qu	estion 93
	ect the word which means the same as the group of words given. rsons living at the same time
A	cosmopolitans
В	compatriots
С	colleagues
D	contemporaries
P	answer: D
Qu	estion 94
Ca	ect the most appropriate option to fill in the blank. tholics and Protestants have a long history of in Northern Ireland but volunteers from both mmunities came together to build the monument of Peace
A	truce
В	agreement
С	contest
D	conflict
A	nswer: D

Question 95				
Given below are four jumbled sentences. Select the option that gives their correct order. A. In China, thousands of people celebrated it. B. The Lunar New Year of the Pig began on 5th February. C. Others burned the first joss sticks of the year to bring them good fortune. D. Some performers re-enacted historical ceremonies				
A	ABCD			
В	BADC			
С	DABC			
D	BDCA			
ļ	Answer: B			
Qu	estion 96			
Select the correct passive form of the given sentence. Take this suitcase upstairs				
A	You are requested to take this suitcase upstairs.			
В	You must be taking this suitcase upstairs			
С	This suitcase should be taken upstairs			
D	Let this suitcase been taken upstairs			
-	Answer: C			
Qu	estion 97			
Select the antonym of the given word. REPRIMAND				
A	apprehend			
В	reproach			
С	compliment			
D	blame			

Answer: C

Question 98

In the sentence identify the segment which contains the grammatical error. I know the cobbler which mends the shoes outside the gate of our colony

- A I know the cobbler
- **B** the shoes
- **C** which mends

Answer: C				
Question 99 In the sentence identify the segment which contains the grammatical error. The street artist Satish Munjal has been painting this wall since the past one week				
A has been painting				
B The street artist				
C this wall				
D since the past one week				
Answer: D				
Question 100				
Select the word which means the same as the group of words given. Someone who believes that people cannot change the way events will happen				
A prophet				
B fatalist				
C fanatic				
D seer				
Answer: B				

D outside the gate