#### **English Language**

1. Read the sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark (E). (Ignore errors of punctuation, if any)

a) Yesterday,

- b) Ralph missed class
- c) because of the bus
- d) broke down
- e) No error

2. Read the sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark (E). (Ignore errors of punctuation, if any)

a) The children are playing

b) so intently

- c) and they don't notice
- d) it's raining

e) No error

3. Read the sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. Mark the part with the

error as your answer. If there is no error, mark (E). (Ignore errors of punctuation, if any)

- a) I know that
- b) Beth prefers studying
- c) at the library
- d) than going to parties.
- e) No error

4. Read the sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark (E). (Ignore errors of punctuation, if any)

- a) I always wish
- b) that I arrive
- c) on time
- d) for my interviews
- e) No error

5. Read the sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark (E). (Ignore errors of punctuation, if any)

- a) All the teachers
- b) as well as the principal

c) is invited	c) BCDE
d) to the conference	d) Other than these options
e) No error	e) No error
Directions $(6 - 10)$ : Read the given sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence.	9. While it is still early days for (A)/ this service, called Fusion, (B)/ there is no doubt that (C)/ the whole industry (D)/ is watching BT's experiment. (E)
Choose the option with parts with no errors as your answer. If there is no error, mark (e).	a) ABCD
6. In Washington, a best (A)/ guess remains that America	b) ABCE
is (B)/ preparing for war, (C)/ even if another UN (D)/ resolution is not forthcoming. (E)	c) BCDE
a) ABCD	d) Other than these options
b) ABCE	e) No error
c) BCDE	10. Who is liable if an (A)/ autonomous system, such as (B)/ an autopilot that governs the (C)/ movement of cars
d) Other than these options	(D) an autophot that governs the $(C)$ movement of cars on a $(D)$ / motorway, cause an accident? (E)
e) No error	a) ABCD
7. Even the country's reliably (A)/ electricity grid could	b) ABCE
be hit (B)/ by shortages in a few (C)/ years unless new capacity (D)/ is commissioned soon. (E)	c) BCDE
a) ABCD	d) Other than these options
b) ABCE	e) No error
c) BCDE	Directions $(11 - 20)$ : In each the question given below, a sentence is given with one blank in it. Choose the
d) Other than these options	option that provides the correct word to be filled in
e) No error	the blank.      11. He drove with care and hence was
8. Users will no longer (A)/ need to care whether the (B)/	fined by Traffic Police.
stuff they are looking for $(C)$ / is on the web, on $(D)$ / their e-mail, or in their documents. (E)	a) Much
a) ABCD	b) Little
b) ABCE	c) All

d) Many	15. The Dracaena seeds are usually dispersed by birds,
	but due to the large fruit size, only a few species of birds
e) More	are able to the fruits.
12. The monkeys that escaped from the Delhi Zoo were found eating bananas in a fruit shop.	a) Regroup
a) Many	b) Penalise
b) Three	c) Swallow
c) All	d) Supply
d) Different	e) Squander
e) Much	16. The greatest threat to deep corals globally is industrial bottom-trawl fishing, which can
13. Grape plantsfruits having colours that	deep reefs.
can be deep purple or green, which is due to compounds called anthocyanins and flavanols, both of which are	a) demolish
present in grape fruits.	b) deploy
a) Treat	c) destroyal
b) Bear	d) devastate
c) Sever	e) disperse
d) Hang	17. Some websites claim the use of silver cutlery and
e) Cleave	dinnerware may have helped favour their survival during the bubonic plague, though evidence supporting this is
14. Just as in many other Indian cities, the concept of	··
waste-water recycling and re-use has not yet caught the of either our city's authorities or the	a) scant
public in a big way.	b) stunt
a) Recall	c) statue
b) Imagination	d) stint
c) Turf	e) stark
d) Plan	18. Silver nitrate solutions were found to eye
e) Meeting	infections in newborns in the 1880s, and were still commonly used for this in the 1970s.

a) pretend b) prevent c) pursue d) prescribe e) produce 19. A rare few mutations can improve an organism's \_\_\_\_ of survival in certain environments over others. a) chanced b) opportunities c) odds d) likely e) ends 20. The \_\_\_\_\_ of antibiotic resistance was predicted by none other than Sir Alexander Fleming, the discoverer of penicillin. a) arrive b) emergent c) risen d) onset e) proceed Directions (21 – 30): Read the following passage carefully and answer the questions given below it. Certain words have been printed in bold to help you locate them while answering some of the questions.

As India and other energy-importing countries struggle with runaway oil prices, Russia has earned more than \$ 300 billion in oil export earnings. This has driven its economic growth. Today, Russia is the eighth largest economy in the world in purchasing power Parity, according to the World Bank, and it is poised to overtake France to become the world's sixth largest economy.

The oil industry was the prime target of a **sweeping** privatisation drive launched after the break-up of the Soviet Union. However, not all Russians have been rolling in oil wealth. The Russian government has failed to do for its people even a fraction of what the Soviet Union, with twice the population, did with the revenue generated from oil. While the Soviet Government bought grain and other foreign consumer goods to be sold in domestic markets at heavily subsidised rates, Russia rejected socialism. Instead, it **embraced** capitalism in which money earned from oil has **enriched** only tycoons and corrupt government officials. Oil tycoons in Russia have made huge fortunes by using gaping holes in tax legislation to pay far below the standard 24 per cent corporate rate.

Recently, Russia introduced a **stiff** tax system in which the government takes eighty percent of the oil revenues. With the oil wealth trickling down to other sectors, millions have been lifted out of poverty in the last ten years. Russia has also overtaken Germany as Europe's biggest car market. Demand has outpaced supply, with Russians having to wait a year to get the car of their choice. But the gap between the rich and the poor continues to widen with 19 million people still below the poverty line. The fact that Russia has the second largest number of billionaires in the world does not measure up to the size of the economy and the level of the country's development.

Revenue generated from oil is now going to play a key role in overcoming Russia's 'oil curse' over dependence on energy. Russia is one of the few places in the world with significant unexplored and unexploited reserves of oil. In order to lay a stable foundation for the economy when the oil price boom comes to an end, Russia is slowly moving from a resources-dependent to a science-

based economy. The government has raised funding to infrastructure-outmoded transport networks put a brake	23. Which of the following factors is responsible for Russia's economic growth?
on the economy, aviation and nuclear energy among other sectors. The biggest challenge is to manage this huge investment programme without fuelling rapidly	a) Russia imports fuel from developing countries like India at low cost.
rising inflation. Driven by high global energy and food process, the Russian central bank has been forced to raise the interest rate four times this year in order to keep	b) Receiving aid worth 300 billion dollars from energy- importing countries.
inflation down.	c) Funding received from the World Bank and developed countries like France.
21. Why are a large number of the world's very rich people found in Russia?	d) The revenue Russia has earned from exporting oil
a) Russia is one of the most developed countries in the	e) Russia has been able to control inflation.
world. b) Russia is the world's largest automobile supplier.	24. What step(s) has the Russian Government taken to control inflation?
c) Russia oil businessmen took advantage of ambiguity in Russia's tax laws.	(A) It has raised the amount of money allocated for exploring new oil reserves.
d) Russia is the world's largest supplier of oil.	(B) Taxes have been hiked.
e) None of the above	(C) Subsidies on essential commodities like food have been introduced.
22. Which of the following is/are impact(s) of Russia's economic growth?	a) None
(A) Russia's population has doubled.	b) Only (A)
(B) Foreign consumer goods are heavily subsidised.	c) Only (C)
(C) There is a huge gap between the haves and the have	d) Both (A) and (B)
nots.	e) None of these
a) Only (A)	25. Which of the following can be said about Russia's
b) All (A),(B) and (C)	economy?
c) Only (C)	a) Russia is the fastest growing economy in the world.
d) Both (A) and (B)	b) The Russia economy is being transformed into a technology-based one.
e) None of these	c) Oil wealth has been invested in Russia's energy sector only.

d) Russia's economy is more developed than that of	d) Covered
Germany.	e) Accepted
e) Russia has the least number of poor in the world.	29. Choose the word which is most opposite in meaning
26. What does the phrase 'Russia's oil curse' imply?	to the word printed in bold as used in the passage.
a) High prices of oil-products have meant that common people in Russia cannot afford them.	ENRICHED
	a) Improved
b) Russia's oil resources will be completely depleted in the next ten years.	b) Impoverished
c) Mismanagement of the Russian oil industry led to the	c) Soiled
fall of the Soviet Union.	d) Disadvantage
d) Exploring new oil resources takes a substantial amount of Russia's GDP.	e) Criticised
e) None of the above	30. Choose the word which is most opposite in meaning to the word printed in bold as used in the passage.
27. Choose the word which is most similar in meaning to the word printed in bold as used in the passage.	STIFF
SWEEPING	a) Lenient
	b) Formal
a) Waving	c) Light
b) Clearing	d) Yield
c) Removal	e) Supple
d) Extensive	
e) Discarding	<b>Quantitative Aptitude</b>
28. Choose the word which is most similar in meaning to the word printed in bold as used in the passage.	Directions $(31 - 35)$ : In the question, two equations I and II are given. You have to solve both the equations to establish the correct relation between x and y and choose
EMBRACED	the correct option.
a) Hugged	31. I. $x^2 + 2x - 63 = 0$
b) Encompass	II. $y^2 - 12y + 35 = 0$
c) Held	a) $x > y$
	b) x < y

c) $x = y$ or the relationship cannot be established	II. $y^2 + 17y + 66 = 0$
d) $x \ge y$	a) x > y
e) $x \le y$	b) x < y
32. I. $24x^2 + 7x - 6 = 0$	c) $x = y$ or the relationship cannot be established
II. $5y^2 - 34y + 24 = 0$	d) $x \ge y$
a) $x > y$	e) $x \le y$
b) x < y	Directions $(36 - 45)$ : What should come in place of
c) $x = y$ or the relationship cannot be established	question mark(?) in the following question?
d) $x \ge y$	36. $(0.064)^2 \times (0.16)^2 \div (0.4)^8 = (0.4)^?$
e) $x \le y$	a) 3
33. I. $x = \sqrt{441}$	b) 2
II. $y^2 - 20y - 69 = 0$	c) 5
a) x > y	d) 6
b) x < y	e) None of these
	37. $6^{5.9} \times 36^{9.2} \div 216^{5.1} = 6^?$
c) $x = y$ or the relationship cannot be established	a) 5
d) $x \ge y$	b) 11
e) $x \le y$	c) 9
34. I. $5x^2 + 7x - 6 = 0$	
II. $7y^2 - 32y - 15 = 0$	d) 8
a) x > y	e) None of these
b) x < y	38. $[(7 \times 5 \times 2^2)^2 \div 70 \times 14] \div 8 = 14 \times ?$
c) $x = y$ or the relationship cannot be established	a) 25
d) $x \ge y$	b) 5/28
	c) 38
e) $x \le y$	d) 42
35. I. $x^2 + 16x + 48 = 0$	

e) 35	43. (12.5% of 480)+(30% of 160) = ?
39. $\{(115)^2 + (95)^2\} \div 25 = ?$	a) 115
a) 890	b) 102
b) 960	c) 108
c) 760	d) 112
d) 512	e) None of these
e) None of these	$\frac{3}{44.5}$ of 3245+32% of 6250-(?) <sup>2</sup> =103
40. 24×18+526-52% of 1450=?²+83	a) 66
a) 13	b) 65
b) 12	c) 62
c) 11	d) 63
d) 15	
e) 18	e) 61 45. 572÷26×20+253-209= (22) <sup>?</sup>
41. 135% of 480 + ? % of 320 = 728	a) 2
a) 28	b) 3
b) 30	
c) 20	c) 4
d) 25	d) 5
e) None of these	e) None of these
42. 594×19=36×750÷4+?+4500	Directions $(46 - 50)$ : Answer the questions based on the information given below.
a) 38	There are 3 schools and from each school some boys and
b) 35	girls participated in rally. The total number of students
c) 37	who participated in rally from school B is 620. The number of girls who participated in rally from school C
d) 36	is 375. The ratio of the number of boys to girls who participated in rally from school A is 4:3. The total
e) 45	number of girls who participated in rally from school A
	l l

and C is 600. The number of boys who participated in	a) 40
rally from school C is 275. The average of the number of boys who participated from all school is 300.	b) 50
46. Find the number of girls who participated in rally	c) 30
from school A.	d) 60
a) 245	e) 80
b) 250	50. If the total number of students who participated in
c) 275	rally from school D is 25% more than the number of students who participated in rally from school B and the
d) 225	ratio of the number of boys to girls who participated in
e) None of these	rally from school D is 15:16, then find the difference between the number of boys and girls who participated in
47. Find the ratio of the number of boys who participated	rally from school D.
in rally from school A to that from school C.	a) 60
a) 5:6	b) 35
b) 12:11	c) 25
c) 9:11	d) 50
d) 12:13	e) None of these
e) None of these	51. A container contains 800 litres mixture of milk and
48. Find the number of boys who participated in rally from school B.	water in the ratio of 7 : 3, respectively. $(y - 5)$ % of this mixture is taken out and 256 litres of water is mixed in
a) 325	the container, then the quantity of milk and water become equal in the container. Find the value of 'y'.
b) 225	a) 15
c) 275	b) 20
d) 300	c) 25
e) 425	d) 30
49. Find the difference between the total number of	e) 35
students who participated in rally from school B and school C.	52. A dog chases a cat and takes 5 leaps for every 12 leaps of the cat, but 2 leaps of the dog are equal to 3

leaps of the cat. Compare the speeds of the dog and the	a) 35 days
cat.	b) 28 days
a) 5:8	c) 30 days
b) 5:9	d) 25 days
c) 7:15	e) None of these
d) 5:12	Directions (56 – 60): What should come in place of
e) None of these	the question mark ('?') in the following number
53. A sum of Rs.312 was divided among 100 men and	series?
women in such a way that the man gets Rs.3.60 and each woman Rs.2.40 the number of women is	56. 19, 26, 47, 82, ?, 194
a) 35	a) 151
	b) 161
b) 40	c) 131
c) 45	d) 141
d) 50	e) 171
e) None of these	57. 17, 21, 85, 121, 633, ?
54. Rs. 4830 is divided among Ruby, Anumita and Tripti such that if Ruby's share decreases by Rs. 5, Anumita's	a) 795
share decreases by Rs. 10 and Tripti's share decreases by	b) 761
Rs. 15, their shares will be in the ratio 5 : 4 : 3. Find the Anumita's original share (in Rs.).	c) 733
a) 1610	d) 717
	e) 753
b) 2010	
c) 2410	58. 9.8, ? , 10.6, 7.4, 13.8, 1
d) 2810	a) 10
e) None of these	b) 9
55. A does half as much work as B in the 3/4th of the time taken by B to complete the work if together they	c) 12
time taken by B to complete the work. if together they took 14 days to complete the work, how much time shall	d) 18
A take to do it completely alone?	e) 21

59. 1, 3, 21, 71, ? , 331	d) 885
a) 209	e) 665
b) 201	63. Of the five numbers, the first number is five more
c) 189	than second number , the second number is half of the third number, the third number is 2/3rd of the forth
d) 161	number and the forth number is twice of the fifth number. The average the five numbers is 18. Find the
e) 169	average of smallest and largest number.
60. 8, 5, 6, 10, ? , 53.5	a) 20
a) 18	b) 10
b) 23.5	c) 15
c) 21	d) 35
d) 32	e) 25
e) 36.5	64. If the profit is 10%, then what will be the ratio of cost
61. If Rahul walks at a speed of 5m/min he is 6 minutes	price to selling price respectively?
late for his office. But if he walks at a speed of 7 m/min he reaches 30 mins earlier. How far is his office from his	a) 10 : 9
house.	b) 10 : 11
a) 420 m	c) 10 : 13
b) 630 m	d) 4 : 5
c) 670 m	e) 6 : 7
d) 560 m	65. At what rate per annum on simple interest will a sum of money triple itself in 10 years?
e) none of these	a) 20%
62. The difference between the two numbers is 45. If $3\%$	b) 17%
of one number is equal to 3.5% of the other number. Then the sum of two numbers is-	c) 22%
a) 585	
b) 345	d) 15%
c) 575	e) None of the above
6,515	

<b>Reasoning Ability</b>	a) One
Directions : Eight persons are sitting around a circular	b) Two
table facing the centre except one person who is facing outward. K is sitting second to the right of O. Z is sitting	c) Three
to the immediate left of P. E is sitting third to the right of	d) Four
S. H is sitting second to the left of U. U and S are facing inward. P is a neighbour of K. H is not a neighbour of O.	e) More than four
66. Who is facing outward?	70. Which of the following is true?
a) H	I. K is sitting opposite to E.
b) Z	II. Z and O are facing opposite directions.
c) P	III. U is sitting opposite to P.
d) O	a) Only I
e) Either E or K	b) Both I and II
67. Who is sitting second to the left of E?	c) Only III
a) O	d) Both I and III
b) Z	e) Both II and III
c) U	Directions (71 – 75): In each question below are given four statements followed by two conclusions which
d) P	are numbered as I, and II. You have to take the given
e) K	statements to be true even if they seem to be at variance with commonly known facts. Read all the
68. Who is sitting third to the right of Z?	conclusions and then decide which of the given
a) S	conclusions logically follows from the given statements, disregarding commonly known facts.
b) U	71. Statement:
c) E	Some Cases are Bases.
d) O	All Bases are Traces.
e) H	Some Traces are Laces.
69. How many people are sitting in between E and P, towards the right of P?	Conclusion:

(I) Some Cases can be Laces.	(II)Some Laces are Traces.
(II) Some Traces are Cases.	a) If only conclusion I follows.
a) If only conclusion II follows.	b) If both conclusion I and conclusion II follow
b) If only conclusion I follows.	c) If either conclusion I or conclusion II follows.
c) If neither conclusion I or conclusion II follows.	d) If only conclusion II follows
d) If either conclusion I nor conclusion II follows.	e) If neither conclusion I nor conclusion II follows.
e) If both conclusion I and conclusion II follow	74. Statement:
72. Statement:	All Violin are Guitar.
No Farm is House.	No Guitar is Piano.
No House is Garden.	Some Piano are Flutes.
All Trees are Garden.	Conclusion:
Conclusion:	(I)Some Violin are Piano.
(I) All House can never be Tree.	(II)Some Flutes can never be Guitar.
(II) Some Farm are Garden.	a) If neither conclusion I nor conclusion II follows.
a) If neither conclusion I nor conclusion II follows.	b) If only conclusion I follows.
b) If only conclusion II follows.	c) If either conclusion I or conclusion II follows.
c) If either conclusion I or conclusion II follows.	d) If only conclusion II follows.
d) If only conclusion I follows	e) If both conclusion I and conclusion II follow
e) If both conclusion I and conclusion II follow	75. Statement:
73. Statement:	All Year are Days.
Some Cases are Bases.	All Days are Month.
All Bases are Traces.	Some Month are Week.
Some Traces are Laces.	Conclusion:
Conclusion:	(I)Some Month can never be Year.
(I) Some Bases can be Laces.	(II)Some Days can be Weeks.

a) If only conclusion II follows.	e) Four
b) If only conclusion I follows.	78. Which of the following persons were honoured in April?
c) If both conclusion I and conclusion II follow	
d) If neither conclusion I nor conclusion II follows.	a) NH
e) If either conclusion I or conclusion II follows.	b) HT
Directions (76 – 80): Study the following information	c) NT
and answer the questions followed:	d) ER
Eight persons was honoured for their achievements on	e) RA
1 <sup>st</sup> , 2 <sup>nd</sup> or 3 <sup>rd</sup> of February, March and April. The last person was honoured on 2 <sup>nd</sup> April. No two persons was honoured on the same day. M was honoured on 1 <sup>st</sup>	79. Who was honoured on the same date as H but in different months?
March. Two persons were honoured in between E and M. R was honoured immediately after E. Two persons were	a) R
honoured in between G and R. A was honoured	b) A
immediately after G. Two persons were honoured in between A and T. H was honoured immediately before	c) E
T. N was honoured before T.	d) M
76. On which date was N honoured?	e) N
a) 1 April	80. If all the persons were honoured in alphabetical
b) 3 February	order, then which of the following would be honoured on the same date as before?
c) 1 February	a) E
d) 2 April	b) A
e) 2 February	
77. How many persons were honoured in between T and	c) R
R?	d) Nobody
a) None	e) Both A and R
b) One	Directions (81 – 85): Answer the questions based on the information given below:
c) Two	In a certain language,
d) Three	

'celebration of Independence day' is coded as 'mr, ml,	e) None of these		
mt, mk'	84. What is the code of the word 'day'?		
'tomorrow is celebration day' is coded as 'me, mt, mr, md'	a) mr		
'before independence of India' is coded as 'ml, mg, ms, mk'	b) md		
'immediate before celebration night' is coded as 'mt, mp, mg, mo'	c) me d) ml		
81. Which of the following is the code for "tomorrow" in the given language?	<ul><li>e) None of these</li><li>85. Which of the following is coded as "of India"?</li></ul>		
a) mr	a) ml mg		
b) md	b) ml ms		
c) either (b) or (d)	c) either (b) or (d)		
d) me	d) ms mk		
e) None of these	e) either (a) or (d)		
82. Which of the following words is coded as "mg" in the given language?	Directions (86 – 90): Answer the questions based on the information given below:		
a) before	Five players namely, A, B, C, D and E from different		
b) celebration	places participated in Asian Games and won differen number of medals among 7, 10, 14, 16 and 18.		
c) immediately	C won 16 medals and belongs to neither Chandigarh nor		
d) of	Mumbai. Player from Bhopal won four medals more than the one from Lucknow. Difference between medals won		
e) None of these	by A and player from Kolkata is more than two. Player		
83. Which of the following is coded as "mt"?	from Chandigarh won less medals than A. More than two players won less medals than the player from Mumbai. E		
a) is	is neither from Bhopal nor Chandigarh.		
b) tomorrow	86. Which among the following player is from Chandigarh?		
c) celebration	a) B		
d) before	b) D		

c) A	b) 02
d) Can't be determined	c) 03
e) None of these	d) 07
87. Sum of medals won by A and the player from	e) None of these
Kolkata is a) 34	Directions (91 – 93): Study the following data carefully and answer the questions accordingly.
b) 23	There are six people A, B, C, D, E, and F having
c) 30	different heights. E is taller than D but B is not the tallest. B is taller than E, who is not taller than C. D is
d) 26	shorter than A but taller than F. C is shorter than only two people.
<ul> <li>e) None of these</li> <li>88. Difference between the medals won by B and D is</li> </ul>	91. Who is the second tallest?
	a) E
a) 06	b) D
b) 04	c) A
c) 07	d) B
d) Can't be determined	e) Can't be determined
e) None of these	92. Who is the shortest?
89. Who has won the highest number of medals?	a) D
a) B	b) E
b) E	c) F
c) D	d) B
d) A	e) None of these
e) None of these	93. How many people are shorter than A?
90. Difference between the medals of player from Bhopal and Mumbai is	a) Two
a) 04	b) Four
a) 0 <del>1</del>	c) Three

#### d) Five **Conclusions:** e) None of these I. F < LDirections (94 – 95): Study the following information II. D > Acarefully and answer the questions given below. a) None is True A and B are married couple. Q is the only sister of R. S b) Both I and II are True is the grandfather of T. U is the son-in-law of B. C is the only child of A. R is grandchild of A. U is the father of c) Only II is True T. Q is unmarried. d) Only I is True 94. If F is the son-in-law of C, then how is R related to e) Either I and II is True U? 97. Statements: a) Son J > N < T; T = S > R; K > V > Jb) Brother Conclusions: c) daughter I. V > Nd) Father II. K > Je) None of these a) Only II is true 95. If Z is the grandfather of C, then who is the son of Z? b) Only I is true a) A c) Either I or II is true b) B d) Both I and II are true c) S e) None of these d) Can't be determined 98. Statements: e) T $Q \le R; S < T; P > Q; R > S$ Directions (96 – 100): In the following question assuming the given statements to be True, find which Conclusions: of the conclusion among given conclusions is/are definitely true and then give your answers I. S = Qaccordingly. II. $T \ge P$ 96. Statements: a) Only I is true $D \ge E > F = A \le U < L \ge T = R$ b) Only II is true

c) Either I or II true	e) Either I or II is true
d) Neither I nor II is true	100. Statements:
e) Both I and II is true	$A > B \le R > Z; Y > X > A \ge U; B \ge S < T$
99. Statement: $X < C$ , $W > D$ , $G \ge W$ , $C = D$	Conclusions:
Conclusion:	I. A > S
I. $C \leq G$	II. Z < T
II. $W > X$	a) None is true
a) None is true	b) Only I is true
b) Only II is true	c) Only I and II are true
c) Both I and II are true	d) Either I or II are true
d) Only I is true	e) Cannot be determined

### **Answer and Explanation**

English Language	4. Answer: B)
<ol> <li>Answer: C)</li> <li>The cause connector 'because of' is used if it is followed by a noun or noun phrase and does NOT have a verb. Here in the sentence we have a verb so only 'because' will be used instead of 'because of'. Option C is the correct answer.</li> <li>Answer: C)</li> <li>Here is a relationship of cause and effect. In the sentence 'that' will be used with so instead of 'and.' Option C is the correct answer.</li> </ol>	<ul> <li>A wish about the present uses a simple past main verb.</li> <li>"That i arrived" is the correct term. Option B is the correct answer.</li> <li>5. Answer: C)</li> <li>The conjunction as <i>well as</i> can also be used to indicate a compound subject. The verb in the sentence will agree with the main subject and not the noun following the conjunction. So, 'is' should be replaced with 'are'. Option C is the correct answer.</li> <li>6. Answer: C)</li> </ul>
<ul><li>3. Answer: D)</li><li>The word prefer always followed by word 'to' not 'than'.</li><li>Option D is the correct answer.</li></ul>	<ul><li>Error is in A. The definite article 'the' follows the superlative adjective 'best'. The use of 'a' is erroneous. (c) is the right answer.</li><li>7. Answer: C)</li></ul>

Error is in A. The adverb 'reliably' cannot qualify the compound noun 'electricity grid' and needs an adjective in its place, which actually will be 'reliable', meaning 'dependable'. (c) is the right answer.

8. Answer: B)

Error is in D. The usage 'on their e-mail' is incorrect because of the inappropriate use of 'on'. The correct phrase will be 'in their e-mail'. (b) is the right answer.

9. Answer: E)

There are no errors in the sentence and none of the parts need any improvement. (e) is the right answer.

10. Answer: A)

The error in the sentence is in (E). The plural verb 'cause' is incorrect and needs to be replaced with 'causes', since it is associated with a singular noun (system). (a) is the right answer.

11. Answer: B)

As the sentence tells us that the person was fined, 'little' is the right choice for the blank. It means that the person did not drive carefully. Other options contradict the context of the sentence. B is the right answer.

12. Answer: B)

The usage of the definite article before the blank suggests that the monkeys were specifically known. So, 'three' is the right word here. Option B is the right answer.

13. Answer: B)

Bear - (of a tree or plant) produce (fruit or flowers). So, this is the most suitable word among the options in the context of the sentence. The others do not make the sentence meaningful. Sever - Divide by cutting or slicing, especially suddenly and forcibly. Option B is the right answer.

14. Answer: B)

The sentence tells us that wastewater recycling and reuse is not popular yet in a particular city. 'Imagination' is the only word which can fit in the context and make the sentence meaningful. The verb 'caught' needs a noun to follow it in the blank; this eliminates option A. 'Turf' which means 'grass' is unrelated to the context of the sentence; hence, option C is eliminated. The phrase 'catch one's imagination' means fascinate someone and goes with the context too; 'plan' fails to bring out any meaning and thus is eliminated. B is the right answer.

15. Answer: C)

The sentence says that Dracaena seeds are usually dispersed by birds, but the large size of the fruit makes it difficult for most the birds. 'Swallow' is the suitable word for the blank. C is the right answer.

16. Answer: D)

We need a verb here in the base form to follow the modal verb CAN. DEVASTATE means to cause damage to something and will fit here, as the sentence talks about how bottom-trawl fishing can cause damage to coral reefs. Thus, (d) is the right answer.

DEMOLISH is used for man made structures such as buildings. Deploy - make use of. DESTROYAL is a noun. Disperse - scatter.

17. Answer: A)

We need an adjective here to modify the noun EVIDENCE. The sentence talks about how evidence supporting that the use of silver cutlery and dinnerware helped favour their survival during the plague is very little. SCANT means limited and will fit here, which makes (a) the right answer.

Stunt - prevent from growing or developing properly. Statue - a carved or cast figure of a person or animal. Stint - a short period of time for which someone worked somewhere. Stark - severe of bare in appearance or outline.

18. Answer: B)

We need a verb in the base form to fit in the infinitive construction TO + VERB. The sentence talks about how silver nitrate solutions were found to stop eye infections from developing in newborns. PREVENT will convey the requisite meaning, which makes (b) the right answer.

Pretend - to make something appear to be the case when it is not so. Pursue - follow. Prescribe - recommend a medicine or treatment to a patient. Produce - generate.

19. Answer: c)

We need a noun here to follow the possessive case ORGANISM'S. The sentence talks about how mutations can improve an organism's chance of survival, so ODDS will fit here. Thus, (c) is the right answer.

CHANCED is a verb. Opportunities - avenues. LIKELY is an adjective/ adverb. Ends - final goals or objectives.

20. Answer: D)

We need a noun here to be modified by the definite article THE. The sentence talks about how the rise of antibiotic resistance was predicted by Alexander Fleming. ONSET means arrival or development of something, which will fit here. Thus, (d) is the right answer.

ARRIVE, PROCEED and RISEN are verbs. EMERGENT is an adjective.

21. Answer: C)

22. Answer: C)

- 23. Answer: D)
- 24. Answer: A)
- 25. Answer: B)
- 26. Answer: E)
- 27. Answer: D)
- 28. Answer: E)
- 29. Answer: B)
- 30. Answer: A)

#### **Quantitative Aptitude**

31. Answer: C) From I:

$$x^{2} + 2x - 63 = 0$$
  

$$x^{2} + 9x - 7x - 63 = 0$$
  

$$x(x + 9) - 7 (x + 9) = 0$$
  

$$(x + 9) (x - 7) = 0$$
  

$$x = -9, 7$$
  
From II:  

$$y^{2} - 12y + 35 = 0$$
  

$$y^{2} - 7y - 5y + 35 = 0$$
  

$$y(y - 7) - 5(y - 7) = 0$$
  

$$(y - 7) (y - 5) = 0$$
  

$$y = 7, 5$$
  
32. Answer: B)  
From I:  

$$24x^{2} + 7x - 6 = 0$$

$24x^2 + 16x - 9x - 6 = 0$	(5x - 3)(x + 2) = 0
8x(3x+2) - 3(3x+2) = 0	x = 3/5, -2
(8x - 3)(3x + 2) = 0	From II:
x = 3/8, -2/3	$7y^2 - 32y - 15 = 0$
From II:	$7y^2 - 35y + 3y - 15 = 0$
$5y^2 - 34y + 24 = 0$	7y(y - 5) + 3(y - 5) = 0
$5y^2 - 30y - 4y + 24 = 0$	(y - 5) (7y + 3) = 0
5y(y - 6) - 4(y - 6) = 0	y = 5, -3/7
(y - 6) (5y - 4) = 0	35. Answer: C)
y = 6, 4/5	From I:
33. Answer: C)	$x^2 + 16x + 48 = 0$
From I:	$x^2 + 12x + 4x + 48 = 0$
$x = \sqrt{441}$	x(x + 12) + 4(x + 12) = 0
x = 21	(x + 4) (x + 12) = 0
From II:	x = -4, -12
$y^2 - 20y - 69 = 0$	From II:
$y^2 - 23y + 3y - 69 = 0$	$y^2 + 17y + 66 = 0$
y(y - 23) + 3(y - 23) = 0	$y^2 + 11y + 6y + 66 = 0$
(y - 23) (y + 3) = 0	y(y+11) + 6(y+11) = 0
y = 23, -3	(y + 11) (y + 6) = 0
34. Answer: C)	y = -11, -6
From I:	36. Answer: B)
$5x^2 + 7x - 6 = 0$	$(0.064)^2 \times (0.16)^2 \div (0.4)^8 = (0.4)^?$
$5x^2 + 10x - 3x - 6 = 0$	$\Rightarrow (0.4)^{3 \times 2} \times (0.4)^{2 \times 2} \div (0.4)^{8} = (0.4)^{?}$
5x(x+2) - 3(x+2) = 0	$\Rightarrow ? = 6 + 4 - 8 = 2$

37. Answer: C)				204-83=?2
$6^{5.9} \times 36^{9.2} \div 216^{5.1} = 6$	;? ;			?²=121
$\Rightarrow 6^{5.9} \times (6^2)^{9.2} \div (6^3)^{5.1}$	$^{1} = 6^{?}$			?=11
$\Rightarrow 6^{5.9} \times 6^{18.4} \div 6^{15.3} = 6^{15.3}$	<b>6</b> <sup>?</sup>			41. Answer: D)
$\Rightarrow 6^{5.9 + 18.4 - 15.3} = 6^{?}$				480×135 ?×320
$\Rightarrow$ ? = 5.9 + 18.4 - 15.3	3 = 9			$\frac{480 \times 135}{100} + \frac{2 \times 320}{100} = 728$
38. Answer: E)				$\Rightarrow$ 648 + 3.2 × ? = 728
Substituting	(?) 1	with	'x''	$\Rightarrow ? = \frac{80}{3.2} = 25$
$[(7\times5\times4)^2\times$	70	×14]÷8=14	×x	42. Answer: D)
[(140) <sup>2</sup> ×	$\frac{1}{70}$	×14]÷8=14	-×x	594×19=6750+?+4500
	1			594×19=11250+?
[140×140×	70	×14]÷8=14	×x	11286=11250+?
3920÷8=14×x 490=14×x				?=11286-11250
490				?=36
14			=x	43. Answer: C)
x=35				
39. Answer: A)				(12.5%  of  480) + (30%  of  160) = ?
$\{(115)^2 + (95)^2\} \div 25$				> 60 +48 = 108
=> {13225 +9025}÷25	5 = 890			44. Answer: C)
40. Answer: C)				<b>3</b> <b>5</b> of 3245+32% of 6250-(?) <sup>2</sup> =103
24×18+526-52% of 14	50=? <b>2</b> +83			3 32
432+526-52% of 1450	=? <b>2</b> +83			<b>5</b> ×3245+ <b>100</b> ×6250-(?) <sup>2</sup> =103
<sup>52</sup> × 1450				3×649+2000-(?) <sup>2</sup> =103
$\frac{52}{958-100} \times 1450_{=?^{2}+3}$	83			1947+2000-103=(?) <sup>2</sup>
958-754=? <sup>2</sup> +83				(?) <sup>2</sup> =3844
				I

?=62	B         325         295         620           C         275         375         650		
45. Answer: A)	C         273         373         030           Total         900         895         1795		
$572 \div 26 \times 20 + 253 - 209 = (22)^{?}$			
22×20+253-209= (22) <sup>?</sup>	46. Answer: D)		
$484 = (22)^{?}$	Required number of girls who participated in rally from school $A = 225$		
>? = 2	47. Answer: B)		
(46 – 50): Common Explanation:	Required ratio = $300:275 = 12:11$		
The number of girls who participated in rally from school $C = 375$	48. Answer: A)		
The total number of girls who participated in rally from school A and $C = 600$	Required number of boys who participated in rally from school $B = 325$		
The number of girls who participated in rally from	49. Answer: C)		
school A = $600 - 375 = 225$	Required difference $= 650 - 620 = 30$		
The number of boys who participated in rally from school A = $225/3 \times 4 = 300$	50. Answer: C)		
The number of boys who participated in rally from	The total number of students who participated in rally from school $D = 620 \times 125\% = 775$		
school $C = 275$	Required difference = $775/31 \times 1 = 25$		
The average of the number of boys who participated from all school = $300$	51. Answer: C)		
The total of the number of boys who participated from all school = $300 \times 3 = 900$			
The number of boys who participated in rally from school $B = 900 - 300 - 275 = 325$			
The total number of students who participated in rally from school $B = 620$			
The number of girls who participated in rally from school $B = 620 - 325 = 295$			
SchoolBoysGirlsTotalA300225525			

In initial mixture:	3.6x+2.4y=312(ii) [As A man gets Rs. 3.60 and a woman gets Rs. 2.40 and	
Quantity of milk = $800 \times \frac{7}{(7+3)} = 560$ litres	total amount is Rs. 312]	
Quantity of water = $800 \times \frac{3}{(7+3)} = 240$ litres	So, 3.6x+3.6y=360(iii) [multiplying equation (i) by 3.6]	
According to question	subtracting equation (ii) from equation (iii)	
	we get, 1.20y=48	
$560[1 - \frac{(y-5)}{100}] = 240[1 - \frac{(y-5)}{100}] + 256$	y=40	
$\Rightarrow 64 = (560 - 240) \times \frac{(y-5)}{100}$	The number of women is 40	
	54. Answer: A)	
$\Rightarrow$ y - 5 = 20	Let the share of Ruby, Anumita and Tripti be R, A and T respectively.	
$\Rightarrow y = 20 + 5 = 25.$	R+A+T=4830	
52. Answer: A)	If Ruby's, Anumita's and Tripti's share are diminished by	
Let the number of leaps of dog be 5x so number of leaps of cat is 12x	Rs 5, Rs 10 and Rs 15, their net share will be Rs.4830 – $(5+10+15) = 4800.$	
Let the length of leaps of dog be 3y so length of leaps of cat is 2y	Now Anumita's share = $4/12 \times 4800$ = Rs 1600	
cat is 2y	So Anumita actual share =Rs 1600+Rs 10= Rs 1610	
[since they cover equal distance so length of leaps are always inverse proportion]	55. Answer: A)	
So at a particular time distance covered by them will be $5x.3y$ and $12x.2y$ So ratio of speeds will be $= 15xy/24xy$	$\frac{A \times 3}{1} = \frac{B \times 4}{2}$	
= 5/8	3A = 2B	
53. Answer: B)	A 2	
Let the number of men be x and the number of women be y.	$\frac{A}{B} = \frac{2}{3}$	
ATP	Total work = $(2 + 3) \times 14 = 70$ unit	
x+y=100(i)	A does = $70/2 = 35$ days.	
X+y=100(1)	56. Answer: C)	

The pattern of the given number series is as follows;	Pattern is ,
19 + 7 = 26	
26 + 21 = 47	$8 \times 0.5 + 1 = 5$
47 + 35 = 82	$5 \times 1 + 1 = 6$
82 + 49 = 131	$6 \times 1.5 + 1 = 10$
131 + 63 = 194	$10 \times 2 + 1 = 21$
57. Answer: C)	21 × 2.5 + 1 = 53.5
The pattern of the number series is:	61. Answer: B)
$17 + 2^2 = 21$	Let the distance between his office and house $= x$
$21 + 4^3 = 85$	Let actual time taken be t
$85 + 6^2 = 121$	Now
$121 + 8^3 = 633$	according to question
$633 + 10^2 = 733$	$x/5 = t + 6 \dots(i)$
58. Answer: B)	x/7 = t - 30(ii)
Pattern is ,	On solving equation (i) and (2)
9.8 9 10.6 7.4 13.8 1	x = 630m.
	62. Answer: A)
<b>70 A D</b>	Let two numbers be A and B.
59. Answer: E)	Given,
Pattern is ,	$\Rightarrow A - B = 45$
1 3 21 71 <u>169</u> 331	$\Rightarrow 3A/100 = 3.5B/100$
+2 +18 +50 +98 +162 1 t t t t t	$\Rightarrow A = 7B/6$
+16 +32 +48 +64	Then,
60. Answer: C)	$\Rightarrow$ 7B/6 - B = 45

 $\Rightarrow$  B = 270

- $\Rightarrow A = 270 + 45 = 315$
- The sum of two numbers = 315 + 270 = 585
- 63. Answer: A)
- Let first number be M.

Second number = M - 5

Third number = 2M - 10

- Forth number = 3M 15
- Fifth number = 3M/2 15/2
- Given,
- $\Rightarrow M + M 5 + 2M 10 + 3M 15 + 3M/2 15/2 = 18 \\ \times 5$
- $\Rightarrow$  7M + 3M/2 = 255/2
- $\Rightarrow$  M = 15

The five numbers are-

 $= 15, 15 - 5, 2 \times 15 - 10, 3 \times 15 - 15, \frac{1}{2} \times (3 \times 15 - 15)$ 

- = 15, 10, 20, 30, 15
- Required average = (10 + 30)/2 = 20
- 64. Answer: B)
- $\Rightarrow$  Profit = 10% (given)
- $\Rightarrow$  Let Cost Price be 100
- $\Rightarrow$  Selling Price at 10% profit = 110
- $\Rightarrow$  Ratio of Cost Price to Selling Price = 100 / 110
- $\therefore$  Ratio of cost price to selling price = 10 : 11
- 65. Answer: A)

Let the required rate of interest be X.

According to the question, SI must be equal to  $2 \times P$  in order to make the final sum three times the original principal amount after 10 year.

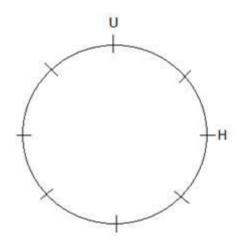
 $=> 2 \times P = X \times P \times 10/100 => 2 = X/10 => X = 20\%$ 

 $\therefore$  Required rate of interest is of 20%.

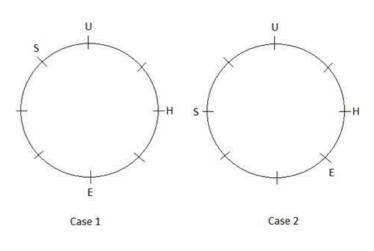
**Reasoning Ability** 

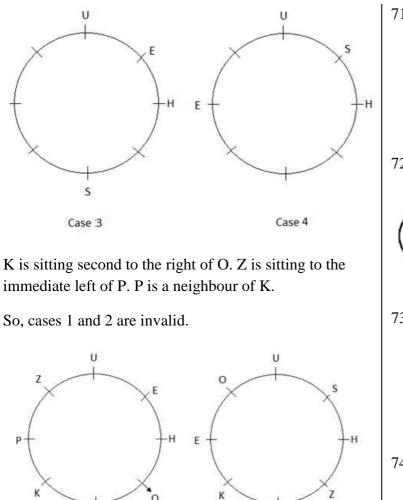
#### (66 – 70): Common Explanation:

H is sitting second to the left of U. U is facing inward.



E is sitting third to the right of S. S is facing inward.





Case 4

### **RBI Assistant Prelims Model Questions Paper 2020 (Set-3)**

Hence, P is the only person facing outward and case 4 is

But H is not a neighbour of O. So, case 3 is invalid.

the final arrangement.

S

Case 3

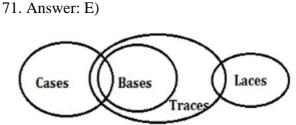
66. Answer: C)

67. Answer: C)

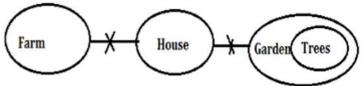
68. Answer: B)

69. Answer: A)

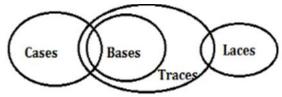
70. Answer: C)



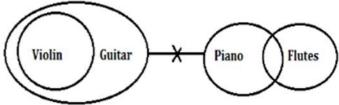
72. Answer: D)



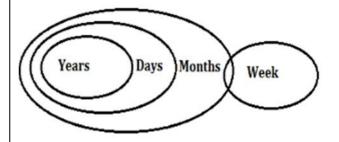
73. Answer: B)

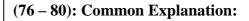


74. Answer: D)



75. Answer: A)





The last person was honoured on  $2^{nd}$  April. M was honoured on  $1^{st}$  March. Two persons were honoured in between E and M.

Date	Case 1	Case 2
1 February		E
2 February		
3 February		
1 March	М	М
2 March		
3 March		
1 April	Е	
2 April		

R was honoured immediately after E.

Date	Case 1	Case 2
1 February		Е
2 February		R
3 February		
1 March	М	М
2 March		
3 March		

1 April	Е	
2 April	R	

Two persons were honoured in between G and R. A was honoured immediately after G.

Date	Case 1	Case 2
1 February		E
2 February		R
3 February		
1 March	М	М
2 March	G	G
3 March	А	А
1 April	Е	
2 April	R	

Two persons were honoured in between A and T.

Date	Case 1	Case 2
1 February		E
2 February		R
3 February	Т	Т
1 March	М	М

2 March	G	G
3 March	А	А
1 April	Е	
2 April	R	

H was honoured immediately before T. So, case 2 is invalid. N was honoured before T.

Date	Person honoured
1 February	Ν
2 February	Н
3 February	Т
1 March	М
2 March	G
3 March	А
1 April	E
2 April	R

- 76. Answer: C)
- 77. Answer: E)
- 78. Answer: D)
- 79. Answer: A)
- 80. Answer: D)

#### (81 – 85): Common Explanation:

The final table is shown below:

W	cele	of	indep	d	tom	is	be	ni	In	im
0	brat		ende	а	orr		fo	gh	di	me
r	ion		nce	у	OW		re	t	a	diat
d										e
c	Mt	ml	mk/	m	md/	m	m	m	m	mp/
0		/m	ml	r	me	e/	g	<b>o</b> /	S	mo
d		k				m		m		
e						d		р		

- 81. Answer: C)
- 82. Answer: A)
- 83. Answer: C)
- 84. Answer: A)
- 85. Answer: C)

#### (86 – 90): Common Explanation:

As C won 16 medals and belongs to neither Chandigarh nor Mumbai.

Player from Bhopal won four medals more than the one from Lucknow, so

Case I			Case II			
С	16	×Chandigarh	С	16	×Chandigarh	
		× Mumbai			× Mumbai	
	14	Bhopal		18	Bhopal	
	10	Lucknow		14	Lucknow	

C must be from Kolkata.

Difference between medals won by A and player from Kolkata is more than two.

Player from Chandigarh won less medals than A, so the player from Mumbai has either won 18 medals or 10 medals,

Case I			Case II			
С	16	Kolkata	С	16	Kolkata	
	14	Bhopal		18	Bhopal	
Α	10	Lucknow		14	Lucknow	
	7	Chandigarh	Α	10	Mumbai	
	18	Mumbai		7	Chandigarh	

More than two players won lesser medals than the player from Mumbai, this is not possible in case II, so case II is rejected.

E is neither from Bhopal nor Chandigarh, so E is from Mumbai.

The final table is given below:

Case I					
С	16	Kolkata			
B/D	14	Bhopal			
А	10	Lucknow			
D/B	7	Chandigarh			
Е	18	Mumbai			

- 86. Answer: D)
- 87. Answer: D)
- 88. Answer: C)

89. Answer: A)

90. Answer: B)

#### (91 – 93): Common Explanation:

- 1) C is shorter than only two people.
- 2) B is taller than E, who is not taller than C.
- 3) E is taller than D but B is not the tallest.

----> C > E > D

4) D is shorter than A but taller than F.

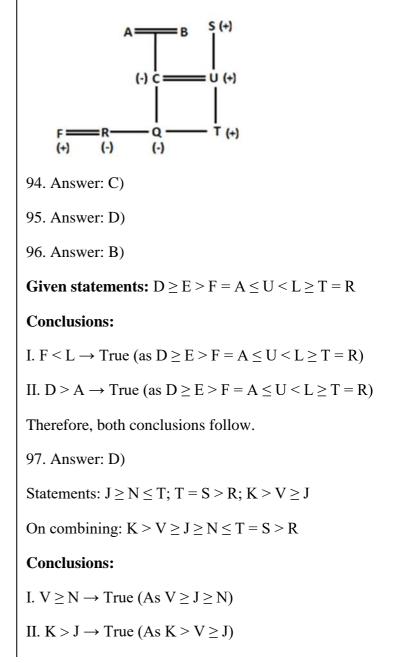
----> C > E > D > F

Finally,

A > B > C > E > D > F

- 91. Answer: D)
- 92. Answer: C)
- 93. Answer: D)

#### (94 – 95): Common Explanation:



Thus, Both I and II are true.	Conclusions:			
98. Answer: D)	I. $C \le G \rightarrow False$ (as $C = D < W \le G \rightarrow C < G$ )			
Given statements: $Q \le R$ ; $S < T$ ; $P > Q$ ; $R > S$	II. W > X $\rightarrow$ True (as X < C = D < W $\rightarrow$ X < W)			
On combining: $P > Q \le R > S < T$	Hence, only II is true.			
Conclusions:	100. Answer: B)			
I. $S = Q \rightarrow False$ (as $Q \le R > S$ , so a definite relation between S and Q cannot be determined)	Given statements: $A > B \le R > Z$ ; $Y > X > A \ge U$ ; $B \ge S < T$			
II. $T \ge P \rightarrow False (P > Q \le R > S < T, so a definite$	On combining: $A > B \ge S < T$ ; $Y > X > B \le R > Z$			
relation between T and P cannot be determined)	Conclusions:			
Hence, neither I nor II is true.	I. A > S $\rightarrow$ True (as P > Q $\geq$ S $\rightarrow$ P > S)			
99. Answer: B)	II. $Z < T \rightarrow False(as Z < R \ge Q \ge S < T \rightarrow thus clear$			
Given Statements: $X < C$ , $W > D$ , $G \ge W$ , $C = D$	relation between Z and T cannot be Determined)			
On combining: $X < C = D < W \le G$	Therefore, only conclusion I is true.			
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