- 1. The function $f(x) = x \vee \text{real } x$ is
 - (A) Differentiable at x = 0
 - (B) Not differentiable at x = 0
 - (C) Not continuous at x = 0
 - (D) None of the above

$f(x) = \frac{\sin x}{x}, x \neq 0$

i. x =0

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2. The function f defined by

- (A) is continuous at x = 0
- (B) is not continuous at x = 0
- (C) is not continuous at $\cdot = 0$ if a = 1
- (D) is continuous $\gamma x = 0$, $\alpha = 1$

3. If $f: R \to R$ and $g: K \to R$ are given $\forall f(x) = x+1, g(x) = x^2$, then g of $(x) = x^2$

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- (A) $(x, 1)^2$
- (B) $x^2 + 1$
- $(C, x+1+x^2)$
- (D) $x^2 + x + 1$
- 4. $sinx + c_{OSX} \approx tan.$ its maximum at



(D)
$$\frac{-\pi}{2}$$

- 5. If $\log 2 = 0.30103$, the number of digits in 2^{128} is
 - (A) 38
 - (B) 39
 - (C) 40
 - (D) 41

6. The product of two complex numbers 1 + i and 2 - 5i is

- (A) 7 3i
- (B) 3-4i
- (C) -3 4i
- (D) 7 + 3i
- 7. The function *f* defined by $f(z)=3+ix \cdot iy$ is
 - (A) Discontinuous at z = 0
 - (B) Continuous at z = 0
 - (C) Analytic at z = 0
 - (D) None of the above
- 8. The real part of a constant analytic function is
 - (A) Lircontinuous
 - (B) Continuous
 - (C) Ana¹ytic
 - (D) None of the a_{L} ove
- 9. Two stations A and B are 110 km apart on a straight line. One train starts from A at 7 a.m. and travels cowards B at 20 kmph. Another train starts from B at 8 a.m. and travels towards A at a speed of 25 kmph. At what time will they meet?

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- (*E*) 9 a.m.
- (B) 10 a.m.
- (C) 10.30 a.m.
- (D) 11 a.m.

- 10. A towel, when bleached, lost 20% of its length and 10% of its breadth. What is the percentage decrease in area?
 - (A) 30%
 - (B) 28%
 - (C) 32%
 - (D) 26%

11. $D^{3}(e^{2x})$ is

12.

- (A) $8e^{2x}$
- (B) $2e^{2x}$
- (C) $4e^{2x}$
- (D) None of the above

$$-6\frac{d^2y}{dx^2}$$
 $11\frac{dy}{dx}$ $-6y = 0$

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- General solution of dx
 - (A) $y=Ae^{x}+Be^{2x}+Cc^{3x}$
 - (B) $y=3e^x$
 - (C) $y=A + 1^{-2^{*}}$
 - (D) $y = Ae^{t} + Be^{2x}$

13. Particular integral of differentiation equation $(D^3 + D) y = \cos x$ is



- $1/(D_x^2 D_y^2) \sin(x y)$ is equal to The expression 14.
 - (A) $-x/2\cos(x-y)$
 - (B) $-x/2 \sin(x-y) + \cos(x-y)$ (C) $-x/2 \cos(x-y) + \sin(x-y)$

 - (D) $3x/2 \sin(x-y)$

 $y^2 + x^2 + c$ is the solution of the differential equation 15.

(A)
$$\frac{dy}{dx} = x$$

(B) $\frac{dy}{dx} = y$
(C) $\frac{dy}{dx} = \frac{x}{y}$
(D) $\frac{dy}{dx} = \frac{y}{x}$

Find $\int 4\cos(2x+3) dx$ 16.

- (A) $4\sin(2x+3) + C$ (B) $-\sin(2x+3) + C$
- $2\sin(2\pi + 3) + C$ (C)

h

- $-2s_{1}a(2x+3)+C$ (L)
- when evaluated by using Simpson's 1/3rd rule on two equal sub-17. The integral X. interva. each of length 1, equals

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(A) 1900 (B) 1.098 (C) 1.111 (D) 1.120



- Differentiating $i = 3\sin 2t 2\cos 3t$ with respect to t gives 23.
 - $3\cos 2t + 2\sin 3t$ (A)
 - $6(\sin 2t \cos 3t)$ (B)
 - $3/2\cos 2t + 2/3\sin 3t$ (C)
 - (D) $6(\cos 2t + \sin 3t)$

The growth of bacieria in a dish is modeled by the function 24. For vhic. value of t is f(t)

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- (A)
- (B) $\mathbf{2}$
- (\mathbb{C}) 15
- (D) 16

25

What is the solution set of the inequality x^2 +3x-

- (A) -6 < x < 3 \boldsymbol{x}
- **(B)** $x \mid x < 6 \text{ or } x > 3$
- (C) -3 < x< 6
- (E) < - 3 or x r x
- ADMISS 26. Consider the cysic n of simultaneous equations

$$x + 2y + z = 6$$

$$2x + y + 2z = 6$$

$$x + y + z = 5$$

The system has

- (A) a unique solution
- (B) infinite number of solutions
- no solution (C)
- (D) exactly two solutions





31. If $x^2 + x - 1 = 0$, what is the value of

?

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- (A) 1
- (B) 5
- (C) 9
- (D) 8

32. If x is a whole number, then $x^2(x^2-1)$ is always divisible 'y

- (A) 12
- (B) 24
- (C) 12-x
- (D) multiple of 12

If \checkmark , \clubsuit , are the roots of $x^3 \cdot 17x + 9 = 0$, then

- (A) $\checkmark + = =$ (B) $= \Rightarrow = \checkmark$
- (C) $\blacksquare + \checkmark = \textcircled{}$
- 34. If \checkmark and \Rightarrow are the roots of $x^2 4x + 3 = 0$, then $\frac{\alpha + \beta}{\alpha \beta}$ is
 - (A) $\frac{1}{2}$
 - (B) $\frac{1}{2}$
 - (C) 2
 - (D) -

35. The equation $x^3 - 3x + 2 = 0$ has

- (A) 3 real roots
- (B) no real root
- (C) all imaginary roots
- (D) None of the above



What values on y and z satisfy the following system of linear equations? 37. EST

6 3 4 y = 83 12 2 z 2 John Control Annies (A) x = 6, v = 2, z = 2(B) x = 12, v, z = -4x = 0, v = 6, z = -4(C) x = 12 y = -3, z = 0(D)

3 2 2 0 3 0 0 2 What are the three characteristics roots of the matrix A= 38. 2, 3, 3 1, 2, 2 1, 0, 0 (A) **(B)** (C) (D) 0, 2, 3 0 0 0 is invertible if 39. The matrix b а b 0 а abc ∎ 0 (A) $a(a+b)(a+b+c)\neq 0$ (B) One of *a*, *b*, *c* is non-zerc (C) One of *a*, *b*, or *c* takes a positive value (D) $\circ in\theta$ cosť $\cos\theta$ is 40. The inverse of 201 sinθ - cosi sinf (A) cosθ sinθ *cosθ* sinθ **(B** - cos? sint ONADMISS -sin7) cosθ (C) mit a sinə – sinθ ר cos ר (D) $-\cos\theta$ rinθ L(1) = ?41. COMM (A) (B)



45. A rectangular field has to be fenced on three sides leaving a side of 20 feet uncovered. If the area of the field is 680sq. feet, how many feet of fencing will be required?

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- (A) 9595(B) 9292
- (C) 8888
- (D) 82

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- 46. If points of straight line are M(7, 1) and N(7, 2), then line MN is
 - (A) horizontal line with equation x = 1
 - (B) vertical line with equation $x = 2^{\circ}$
 - (C) vertical line with equation x = 7
 - (D) horizontal line with equation x = 7

47. The angle made by the ine y=x+1 with x axis is

- (A) 90 🖬 🔍
- (B) 60 in (B)
- (C) 30 in
- (D) 45 🖬

48. The plane x+2y+3z+4=0 passes through

- (A) (0, 0, 0)
- (B) (0, -2, 0)
- (C) (0, 0, 1)
- (D) (1, 0, 1)

49. The equation to t^{+} , have passing through (1, 3, -2) parallel to x + y - z = 3 is

- (A) x y z = 5(B) x + y - z = 4(C) x + y - z = 6(D) x + y - z = 0
- 50. The line x = 4 is
 - (A) $_{\rm h}$ ralle. to y axis
 - (\mathbf{P}) particle to x axis
 - (C) pusses through origin
 - (D) None of the above
- 51. The area of an equilateral triangle is 43. What is the perimeter of the triangle?
 - (A) 2
 - (B) 4
 - (C) 6
 - (D) 8

- 52. In triangle *ABC*, angle C = 30 in if
 - (A) AB = AC
 - (B) Angle B = 120
 - (C) AB = AC and angle B = 120
 - (D) ABC is an isosceles triangle
- 53. The area of the triangle with sides 3, 4, 5 cm is
 - (A) 5
 - (B) 6
 - (C) 8
 - (D) 9

54. If a vertex of a triangle is (1, 1) and the mid- joints of two sides through this vertex are

- (-1, 2) and (3, 2), then the centroid of the triangle is
- (A) (-1, 7/3)
- (B) (-1/3, 7/3)
- (C) (1, 7/3)
- (D) (1/3, 7/3)
- 55. If in a tringle ABC, the altitudes from the vertices A, B, C on opposite sides are in H.P., ther sin A, in B, sin C are in
 - (A) G.Z.
 - (B) A.P.
 - (C) Arithmetic Cometric Progression

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- (D) H P
- 56. A choice contains 6 black and 8 white balls. One ball is drawn at random. What is the probability that the ball drawn is white?

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- (A) 3/4
- (B) 4/7
- (C) 1/8
- (D) 3/7

- 57. What is the probability of getting a sum 9 from two throws of a dice?
 - (A) 1/6
 - (B) 1/8
 - (C) 1/9
 - (D) 1/12
- 58. For a die, the probabilities for the different faces to form up are

Face	1	2	3	4	5	
P P	0.1	0.32	0.21	0.15	6.05	0.17

This die is tossed and you are told that sither tace 1 or face 2 has arred up, then the probability that it is face 1 is

- (A) 16/21
- (B) 1/10
- (C) 5/16
- (D) 5/21

59. A list of 5 pulse relation is: 70, 64, 80, 74, 92. What is the median for this list?

- (A) 7.
- (B) 76 (C) 77
- (C + 77)(D) 80
- 60. k is an even nume r. p is an odd number. Which of the following statement is not correct?
 - (1) p (-1) is an odd number
 - (B) 1 + k + 1 is an even number
 - (C) $p \times k + p$ is an odd number
 - (D) $p^2 + k^2 + 1$ is an even number
- 61. Vector a=3i+2j-6k and b=4i-3j+k, angle between above vectors is
 - (A) 90 degrees
 - (B) 0 degrees
 - (C) 45 degrees
 - (D) 60 degrees

-4 18 8 -36 - 6 12

Rank of the matrix 62.

- (A) 4
- **(B)** 2
- (C) 3 (D) 1

The maximum value of $f(x) = x^3 - 9x^2 + 24x + 5$ in the value of $f(x) = x^3 - 9x^3 + 24x + 5$ in the value of 63.

- (A) 21
- (B) 25 (\mathbb{C}) 46
- (D) 41

64.

Div (grad ♠) is equal to

- (A) 0
- **(B)** div 🏦
- (C) grad 角
- (D) $\nabla^2 \mathcal{O}$

A s :t of vectors which contains the zero vector is 65.

JSAT

- (A) Linearly in lependent
- (B) a basis
- linear, det endent (C)
- Non of the above (D)

sin(x)lim $x \to 0$ $(e^x x)$

is

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The value of the expression 66. COMM

- (A) 0
- (B) 1/2
- (C) 1
- (D) 1/(1+e)





- 74. A focul of an ellipse is at the origin. The directrix is the line x = 4 and the eccentricity is 1/2. Then the length of the semi-major axis is
 - (A) 4/3
 - (B) 8/3
 - (C) 7/3
 - (D) 5/3
- 75. A parabola has the origin as its focus and the line x = 2 as the directrix. Then the vertex of the parabola is at



76. Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



77. Find out which of the figures (1), (2), (3) and (4) can be for ned from the pieces given in figure (X).



78. Find out how the 'rey 1, rure (X) will look like after rotation



79. Find out how the key figure (X) will look like *after rotation*



Direction: In each of the following questions there are five figures 1, 2, 3, 4 and 5. Out of these five figures four are similar in a certain way. Nowever, one figure is not like the other four. Choose the figure which is *different from the rest*





Directions: There is some relationship between the figures '1' and '2'. The same relationship exists between the figure 3 and one of the four alternatives (a), (b), (c) and (d). Choose the alternative figure



84.

Directions: There is some relationship between the figures '1' and '2'. The same relationship exists between the figure 3 and one of the four alternatives (a), (b), (c) and (d). Choose the alternative figure



Direction: Analyse the following figure and choose the correct answer.



- Find the number of quadrilaterals. 88.
 - (A) 6 (B) 7 (C)9 10 (D)
- Find the number of pentagons.
 - (A)
 - 2 3 (B)
 - 4 (C)
 - (D) 6

How many points will be on the 1. re opposite to the face which contains 2 points? 90.



91. Two positions of a dice are shown below. When number '1' is on the top, what number will be at the bottom?



92. Replace the Question Mark with correct "ternative 13, 35, 57, 79, 9) 1,?

- (A) 1110
- (B) 1112
- (C) 1113
- (D) 1315

93. Replace the Question Mark with correct l'ternative 567, 189, 63, 21,?

- (A) 12
- (B) 1c
- (C) 7
- (L) 9
- 94. Replace the Crestion Mark with correct alternative 5, 12, 26, 54, 110,?
 - (A) 220
 (B) 2.³2
 (C) 210
 (L) 156
- 95. In a survey of 150 readers it has been found that 75 read newspaper A, 90 read newspaper B and 70 read newspaper C. 40 read A and B, 35 read B and C, 30 read A and C and 10 read all the three. If so how many read exactly one newspaper?
 - (A) 35
 - (B) 55
 - (C) 235
 - (D) 120



(B) 19, 14

- (C) 19, 15
- (D) 18, 14

101. Fill up the blanks

- ak, eo, is, qa, uz,
- (A) lv
- (B) тw
- (C) nx
- (D) lw

102. Fill up the blanks

P3C, R5F, T8I, V12L

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- Y17O X17M (A)
- (B)
- (C) X170
- (D) X160
- 103. Fill up the bienks



Fill up the blanks 104.

EDC QPO, NML, KJI

- (A) HGF(B) CAB

- (C) JKL
- (D) GHI
- 105. Fill up the blanks

P_5QR, P_4QS, P_3QT , P_1QV

- (A) PQW
- (B) PQV_2
- (C) P_2QU
- (D) PQ_3U

106. If 'MEAT' is written as 'TEAM', then 'BALe is written as

- (A) ELAB
- (B) EABL
- (C) EBLA
- (D) EALB
- 107. If WATER is written as 'YCVGT', then what is written as 'HKTG'?
 - (A) IRFE
 - (B) FIRE
 - (C) R[¬]FI
 - (D) ERL
- 108. In a certain code, `456 's coded as ROPE, 15526 is coded as APPLE, then how is 54613 coded?
- 109. If in a certain language MYSTIFY is coded as NZTUJGZ, how is NEMESIS coded in that language?
 - (A) MDLHRDR
 - (B) OFNFTJT
 - (C) FONFTJT
 - (D) OFNFTTJ

- 110. If SHARP is coded as 58034 and FUSH as 4658 then, RUSH is coded as
 - (A) 3568
 - (B) 3658
 - (C) 3685
 - (D) 3583

111. If the word 'TABLECLOTH' is coded as 'XEMPANRIA', how can 'HOTEI' be coded?

- (A) RIXAT
- (B) TIXAR
- (C) TAXIR
- (D) RAXIT

112. If TAP is coded as SZO. (ven how is FREE7E coded?)

- (A) EQDFYG
- (B) ESDFYF
- (C) GQFDYF
- (D) EQDLYD

113. If S WITCH is written is TVISDG, which word would be written as CQFZE?

- (A) BREAD
- (B) BARED
- (C) BRAL는
- (D) $5RA.^{D}$
- 114. A perty consists of grandmother, father, mother, four sons and their wives and one son and two daughters to each of the sons. How many females are there in all?
 - (A) 14
 - (B) 16
 - (C) 18
 - (D) 24
- 115. What is once in TEA and twice in COFFEE but not in MILK?
 - (A) Sugar

- (B) Flavour
- (C) The letter E
- (D) Water

116. Arrange in order

- (1) Animal (2) Biology (3) Science (4) Lion (5) Zoclogy
- (A) 3,2,5,1,4
- (B) 3,5,2,1,4
- (C) 3,1,2,5,4
- (D) 3,1,4,5,2

117. Arrange in Order

- (1) Communit (2) Locality (2) Family (2) Country (5) Person y
- (A) 4,1,2,3,5
- (B) 4,2,1,3,5
- (C) 5,3,2,1,4
- (D) 5,3,1,4,2
- 118. Rajat conjectly remembers that his phother's birthday is not after 18th of June. His sister correctly remembers that their mother's birthday is before 20th June but after 17th June. On which day in Jurie was definitely their mothers birthday?
 - (A) 17th
 - (B) 19th
 - (C) 15^{a}
 - (D) $^{1}7^{th}$ or 18^{th}
- 119. **Direction:** Choose the pair that best represents a similar relationship to the one expressed in the original pair of words.

Melt : I iquid : : Freeze : ?

- (A) Ice
- (B) Condense
- (C) Solid
- (D) Crystal

120. **Direction :** Choose the pair that best represents a similar relationship to the one expressed in the original pair of words

Reading : Knowledge : : Work · ?

- (A) Experience
- (B) Engagement
- (C) Employment
- (D) Experiment

121. **Direction :** Choose the pair that best represents a similar relationship to the one expressed in the original pair of words

Mo. n : Satellite : : Ea.th :?

- (A) Sun
- (B) Planet
- (C) Solar syste
- (D) Asteroid

Read the following information and answer the question given below:

L and N are good in Economics and History, O and L are good in History and Civics, N and M are good in Economics and English. O, M and P are good in Civics and Economics. P and O are good in Civics and Mathematics.

- 122. Vir is go d in Civics, Economics, History and Mathematics?
 - (A) O
 - (B) M
 - (C) N
 - (D) L
- 123. Who is good in Civics, Economics and English?
 - (A) L
 - (B) O
 - (C) N



124. Who is good in Civics, English and History?

- (A) O
- (B) M
- (C) N
- (D) L

125. Who is good in History, Economics and English?

- (A) N
- (B) M
- (C) L (D) Q
- (D) C.

126. Who is good in Civics, Economics, N athem. tics, but not in History?

- (A) P
- (B) M
- (C) N
- (D) L

Read the following information and ans per the question given below:

Five cities all got more rain than doubt this year. The five cities are: Aurangabad, Ahmeda, mar, Poine, Mumb ii and Nagpur. The cities are located in five different areas of the country: the mountains, one forest, the coast, the desert, and in a valley. The rainfall amounts were: 24 in hes, 54 inches, 58 inches, 88 inches and 130 inches.

The city in the des at got the least rain; the city in the forest got the most rain. Pune is in the mountant s. Aurangabad got more rain than Mumbai. Ahmed agai to the mountain than Nagpur, but less rain than Pune. Mumbal got 82 inches of rain. The city in the mountains got 64 inches of rain; the city on the coast got 54 inches of rain.

- 127. Which city is in the desert?
 - (A) Aurangabad
 - (B) Ahmednagar

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- (C) Pune
- (D) Nagpur

- 128. Which city got the most rain?
 - (A) Aurangabad
 - (B) Ahmednagar
 - (C) Pune
 - (D) Mumbai

129. How much rain did Anmednagar get?

- (A) 24 inches
- (B) 54 inches
- (C) 64 inches
- (D) 88 inches
- 130. Where is Mumbai located?
 - (A) In the mountains
 - (B) In the coast
 - (C) In a valley
 - (D) In the desert

(i) A, B, , D, E F, and G are sitting along a circle facing at the center and are playing cards

- (ii) Σ is the Σ_{β} and **D**
- (iii) G is no between F a. . . .
- (iv) \mathbf{h} is on the immed the right of \mathbf{A}
- 131. Who are the reighbours of B?
 - (A) C and D
 - (B) 1 and C
 - (C) A and F
 - (D) Data inadequate
- 132. Which pair given below has the second person sitting immediatley to the right of the first?
 - (A) CB
 - (B) DG
 - (C) EA
 - (D) AB

133. Which of the following has the persons sitting adjacent to each other left to right in order as given?

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- (A) CDG
- (B) EDG
- (C) BGC
- (D) FBC

134. What is the position of F?

- (A) To the immediate left of A
- (B) To the immediate right of B
- (C) 2^{nd} to immediate left of C
- (D) None of the above

- Which of the following does not have the pair sitting adjacent to each other? 135.
 - (A) BA
 - CB (B)
 - (C) DE
 - (D) GD

Directions: In the following diagram, the triangle represents educa. d youth. The small circle represents the youth from backward classes. The large circle rep esents mployed yc ith.



How many youths uneduce 'ed are from back vard classes? 136. MSSION TEST 2019

- (A) 36
- 28 **(B)**
- (C) 6
- (D) 44

Ho many educated years are employed? 137.

- (A) 36
- 40 (B)
- (C) 30
- (D) 18

How many educated youths are from backward classes? 138.

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- (A) 56
- 28 (B)
- (C) 12
- 18 (D)

139. How many uneducated youths from backward classes are employed?

- (A) 14
- (B) 22
- (C) 28
- (D) 10

140. How many youths are unemployed?

- (A) 72
- (B) 38
- (C) 50 (D) 52

141. How many youths are employed?

- (A) 24
- (B) 32
- (C) 20
- (D) 42

Direction: Fach r when consists of three statements. Based on the first two statements, the third statement may be true, ta'se, or uncertain.

142. Tanya is older than Eric.

Cli[°] is older than Tany... Eric is older than Cli[°]

If the first two state. rents are true, the third statement is

- (A) truc
- (B) ^calse
- (C) un ertain
- (D) None of the above (D)
- 143. All the trees in the park are flowering trees.Some of the trees in the park are dogwoods.All dogwoods in the park are flowering trees.If the first two statements are true, the third statement is
 - (A) true
 - (B) false
 - (C) uncertain
 - (D) None of the above

Direction : In each question below are given two statements followed by two conclusions numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusion and then decide which of the given conclusions logically follows from the two given statements, disregarcing commonly known facts.

144. Statements: All bags are cakes. All lamps are cakes. **Conclusions:**

- I. Some jamps are bags.
- II. No lamp is bag.
 - Only conclusion I follows (A)
 - **(B)** Only conclusion II follows
 - Either I or II follows (C)
 - Neither I nor II follows (D)
- Statements: All mangoes all golden in colour. No golden coloured things are cheap. 145. **Conclusions:**
 - I. All mangoes are cheap.
 - II. Golden coloured mangoes tre not cheap.
 - Only conclusion I follows (A)
 - Orly conclus. on II follows **(B)**
 - Either I on T for ws (C)
 - USAT COMMON ADMISSI Neither I nor . follows (D)

Direction: Choose which of the following diagram represents relationship among the given elements in a much logical way



Direction s: In the following question, one statement is followed by two possible implications. Souly them and mark one of the following answer choices

149. Star ment:

Ignorance of law is no excuse.

- 1. One should not be ignorant of law.
- 2. Man tries to find an excuse.
- (A) Statement 1 is implied
- (B) Statement 2 is implied
- (C) Both the statements are implied
- (D) Both the statements are not implied

Directions: In the following question, one statement is followed by two possible implications. Study them and mark one of the following answer choices

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Statement: By giving up smoking the incidence of lung cancer can be reduced.

- 1. The incidence of lung cancer is very high.
- 2. Smoking causes lung cancer.
- (A) Statement 1 is implied
- (B) Statement 2 is implied
- (C) Both the statements are implied
- (D) Both the statements are not implied

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				Μ	CA ₅ ANS	SWER KE	EY			
		TEST CODE: 501								
QN. NO.	KEY	QN. NO.	KEY	QN. NO.	KEY	QN. NO.	KEY	QN. NO.	KEY	
1	В	26	С	51	С	76	A	101	В	
2	D	27	D	52	С	77	СЛ	102	С	
3	А	28	D	\$ 53	В	78	Г	103	В	
4	В	29	С	54	С	75		104	А	
5	В	30	A	55	В	80	<u> </u> }	105	С	
6	А	31	CC	56	В	81	D	106	D	
7	В	32	A	57	Ĉ	8.2	C	107	В	
8	В	33 0	D	58	D	83	D	108	С	
9	В	34	В	59	A	84	С	109	В	
10	В	35	А	60	A	85	D	110	В	
11	А	36	С	61	A	86	С	111	В	
12	А	37	С	52	D	87	D	112	D	
13	D	38	В	63		88	C	113	А	
14	А	39	A.	64	D	89	D	114	А	
15	С	40	Ĉ	65	С	90	, D	115	С	
16	С	41	A	50	C	91	В	116	А	
17	С	42	В	67	В	92	C	117	С	
18	С	43	C	68	В	93	С	118	С	
19	D	44	A	69	A	94	В	119	С	
20	В	45	C	70	A	95	В	120	А	
21	D	46	,2	71	B	96	А	121	В	
22	А	47	D	72	D	97	D	122	А	
23	D	48	В	73	A	98	В	123	D	
24	С	49	С	74	В	99	А	124	D	
25	В	50	А	75	C	100	В	125	А	
CUSATE										

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