

## National Talent Search Examination - 2016

State Level Test – 2016

Class - X

#### MENTAL ABILITY AND SCHOLASTIC APTITUDE TEST

**Time: 3 Hours** Max. Marks: 200

#### Instructions for candidates:-

- 1. This exam is in two parts.
- 2. Part-I is related to Mental Ability Test.
- 3. Part-II relates to Scholastic Aptitude Test. It consists 3. ਦੂਜਾ ਭਾਗ ਵਿਸ਼ਿਆਂ ਦੀ ਯੋਗਤਾ ਨਾਲ ਸੰਬੰਧਤ ਹੈ। ਇਸ ਵਿੱਚ of nine subjects, details of which are given below:-
  - Physics i)
- Chemistry ii)
- iii) Biology
- Mathematics iv)
- History V)
- vi) Geography
- vii) Civics
- viii) Economics
- ix) English
- 4. Each question carries one mark. All questions are compulsory.
- You have been provided with a answer sheet (OMR) for this question paper. Darken the correct option of each question in the answer sheet (OMR) with black/blueink.
- 6. Rough work may be done on the blank space provided.
- 7. There is no negative marking in this question paper.
- 8. Do not use white fluid on OMR Answer Sheet.

#### ਉਮੀਦਵਾਰਾਂ ਲਈ ਹਦਾਇਤਾਂ:

- ਇਹ ਪ੍ਰੀਖਿਆ ਦੋ ਭਾਗਾਂ ਵਿੱਚ ਹੈ।
- ਪਹਿਲਾ ਭਾਗ ਮਾਨਸਿਕ ਯੋਗਤਾ ਨਾਲ ਸੰਬੰਧਤ ਹੈ।
- ਨੌਂ ਵਿਸ਼ੇ ਹਨ, ਜਿਨ੍ਹਾਂ ਦਾ ਵੇਰਵਾ ਹੇਠ ਦਿੱਤਾ ਹੈ-
  - ਭੌਤਿਕ ਵਿਗਿਆਨ ii) ਰਸਾਇਣ ਵਿਗਿਆਨ
  - iii) ਜੀਵ ਵਿਗਿਆਨ
- ਗਣਿਤ iv)
- ਇਤਿਹਾਸ
- ਭਗੋਲ vi)
- vii) ਨਾਗਰਿਕ ਸ਼ਾਸਤਰ viii) ਅਰਥ ਸ਼ਾਸਤਰ
- ix) ਅੰਗ੍ਰੇਜ਼ੀ
- 4. ਹਰ ਇੱਕ ਪ੍ਰਸ਼ਨ ਦਾ ਇੱਕ ਅੰਗ ਹੈ।ਸਾਰੇ ਪ੍ਰਸ਼ਨ ਜ਼ਰੂਰੀ ਹਨ।
- 5. ਤੁਹਾਨੂੰ ਇਸ ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਲਈ ਉੱਤਰ ਸ਼ੀਟ ਦਿੱਤੀ ਗਈ ਹੈ। ਉੱਤਰ ਸ਼ੀਟ (ਓ ਐਮ ਆਰ) ਵਿੱਚ ਪਸ਼ਨ ਦੇ ਸਹੀ ਉੱਤਰ ਨੂੰ ਕਾਲੀ/ਨੀਲੀ ਸਿਆਹੀ ਨਾਲ ਭਰ ਕੇ ਦਰਸਾਓ।
- ਕੱਚਾ ਕੰਮ ਦਿੱਤੀ ਗਈ ਖਾਲੀ ਥਾਂ ਤੇ ਕਰਨਾ ਹੈ।
- 7. ਇਸ ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਵਿੱਖ ਰਿਣਾਤਮਕ (ਨੈਗੇਟਿਵ) ਮਾਰਕਿੰਗ ਨਹੀਂ
- 8. ਉੱਤਰ ਸ਼ੀਟ (ਓ ਐਮ ਆਰ) ਉਪਰ ਵਾਸੀਟ ਫਲਿਉਡ ਦੀ ਵਰਤੋਂ ਨਾ ਕੀਤੀ ਜਾਵੇ।

#### **MENTAL ABILITY**

Directions (Q.1-6): There is a number series following a Pattern. One place is left blank. Find the correct answer from the options.

42, 48, 60, 66, 78 1.

(A) 68

(B) 93

(C) 101

(D) 104

 $\frac{2}{\sqrt{5}}$ ,  $\frac{3}{5}$ ,  $\frac{4}{5\sqrt{5}}$ ,  $\frac{5}{25}$ , 2.

(A)  $\frac{6}{5\sqrt{5}}$ 

(B)  $\frac{6}{125}$ 

(C)  $\frac{7}{25}$ 

(D)  $\frac{6}{25\sqrt{5}}$ 

3. 15, 31, 64, 131, ?

(A) 266

(B) 256

(C) 192

(D) 524

4. In a certain code language "HEALTH" is written as GSKZDG, then how will "North" be written in that code?

(A) OPSUI

(B) GSQNM

(C) FRPML

(D) IUSPO

In a certain code language if 'SIR' is written as 'PSPIPR then 'MAN' can be written as 5.

(A) PMANP

(B) PMPAPN

(C) MANP

(D) MPANP

Arrange the following words according to dictionary arrangement 6.

(A) Eagle

(B) Earth

(C) Eager

(D) Early

(E) Each

(1) a, e, b, d, c

(2) b, a, d, c, e

(3) b, c, e, d, a

(4) e, c, a, d, b

Directions (Q.7-8): The letters given below follow a definite pattern. Find out the missing letters to complete the pattern.

7. ba \_ cb \_ b\_ bab \_

(A) ca bb

(B) ac bb

(C) bc aa

(D) ba cc

ab \_ \_ baa \_ \_ ab \_ 8.

(A) baabb

(B) aabab

(C) aaaaa

(D) aabaa

9. Select the combination of numbers so that the letters arranged accordingly will form a meaningful word

D

1

F

3

Ε

R Ν

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

1

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

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

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

Direction: In the question (Q.10-11): some symbols have been given different meanings Read them Properly and answer the questions with accurate options.

÷ means >

- means =

= means <

 $\Delta$  means +

< means ×

> means -

+ means ÷

10. (A)  $6\Delta 3 < 5 \div 4 < 2\Delta 6$ 

11.

- (C)  $8+4>5\div 4+2\Delta 6$
- (A) 2 < 4 < 5 6 + 3 < 2
- (C) 2 > 4 > 5 = 6 + 2 < 2

- (B)  $6 < 3\Delta 5 = 4 + 2 < 6$
- (D)  $6+3>5\div 4+2\Delta 6$
- (B)  $2\Delta 4 < 5 \div 6 < 3 < 2$
- (D)  $2 < 4\Delta 5 = 6\Delta 3 > 2$
- 12. Some students are sitting in row. B is sitting on the extreme left of the row, K is sitting between V and R, V is sitting next to M, M is sitting next to B and Q is sitting next to R, who are sitting adjacent to V?
  - (A) Q and K
- (B) R and Q
- (C) M and K
- (D) K and R
- 13. Which figure represents sparrows, Birds and Mice?

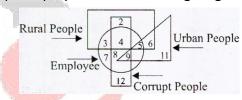








14. Find the urban, corrupt employee in the following diagram:



- (A) 11
- (B) 9

(C) 7

- (D) 12
- 15. A is taller than B but shorter than C, D is taller than A but shorter than C, E is taller than B but shorter than A. Who is the tallest among them?
  - (A) D

(B) C

(C) B

(D) A

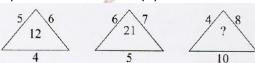
Directions (Q: 16-19) What will come in place of question mark (?)

16.

44	64	100
34	49	169
54	81	5

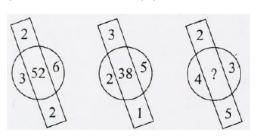
- (A) 81
- (B) 144
- (C) 225
- (D) 64

17.

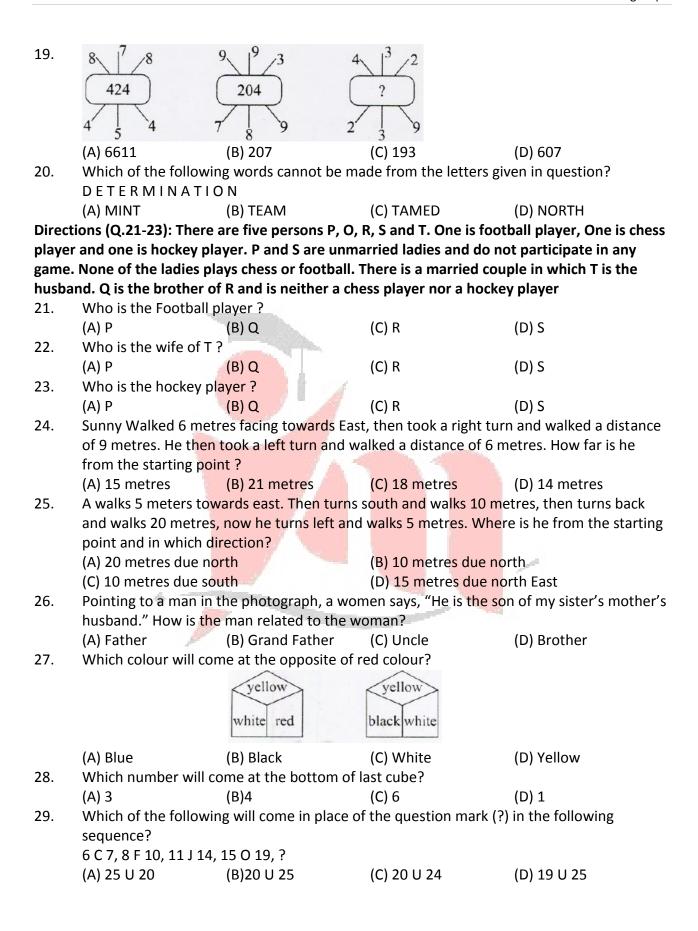


- (A) 30
- (B) 22
- (C)42
- (D) 32

18.



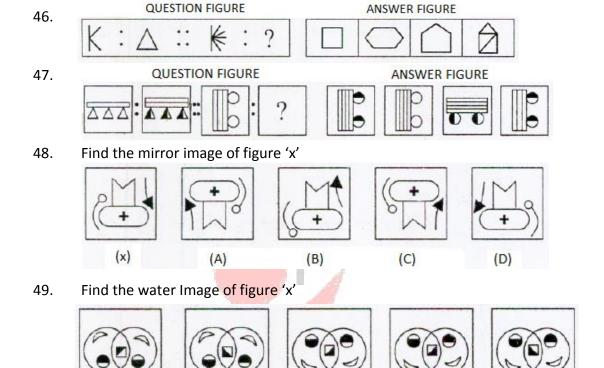
- (A) 32
- (B) 44
- (C)61
- (D) 53



30.	ADG, GJM, MPS, ? (A) SVW	(B) SVY					(C) SUW	(D) SWY
31.	A person is to climb up a tree 60 feet high, in every second, he climbs 5 feet, but slips 4 feet, after how many seconds, he will be able to touch the top of the tree.  (A) 60  (B) 59  (C) 58  (D) 56							
Directi	• •	` '	ase	d oı	1 th	e s	` '	Solve it and answer the
serial r	number for correct opt	ion.						
			A I	В	С	D	E	
						Χ	4	
		i	E C	) (	C 1	В	Ā	
32.	Value of A is ?	•					_	
		(B) 2					(C) 8	(D) 4
33.	Value of B is ?							
	(A) 9	(B) 8					(C) 1	(D) 6
34.	Value of D is?	400	w	Mary.				
		(B) 4					(C) 5	(D)7
	ons (Q.35-37): Some e visible surfaces of the							ock as shown in figure.
				1	7	1	111	
		Maria	1	A	1	1	500	
		1	/	4	4	X		
						1	KKM	
			-	+	+	1		
				1		X	Y	
						Y		
35.	How many Cubes have	e no face	e pai	inte	d?			
	(A) 27	(B) 32	ė.				(C) 36	(D) 40
36.	How many cubes have		e fa	ce	Pair	nte		
	(A) 9						(C) 57	(D) 62
37.	How many cubes have	only tw	o fa	ices	Pai	inte	ed?	
	` '	(B) 16					(C) 20	(D) 24
38.				_			•	rom the top in a class of
	42 students. What wil			•		e ra		
20	• •	(B) 31 <sup>st</sup> a				•	(C) 36 <sup>th</sup> and 32 <sup>nd</sup>	(D) 35 <sup>th</sup> and 31 <sup>st</sup>
39.	How many such 5's ar							
	immediately preceded 3 5 9 5 4 5 5 3 5 8 4 5 6	•					•	O UI J!
		(B) Thre		<del>4</del> 3	د 2	, J .	(C) Four	(D) Five
	(. ·, · · · · ·	,2, 11110	_				(5) 1 5 61	(5) 1100

40.	Arrange the following properly and choose the proper combination of sequence from given 4 options.					from	
	(1) Diwali	(2) Inde	ependence	dav (3) Chr	istmas	(4) Republic d	av
	(5) Holi	( )		/ (- / -		( ) -	- ,
	(A) 1, 3, 5, 2, 4	(B) 4, 5,		(C)2, 4,		(D) 4, 5, 1, 2, 3	
41.	Which figure can	be fitted to	figure 'x' so	that it ma	y become a co	mplete square?	)
	ZNE						
	X	(A)	(B)	(C)	(D)		
42.	Figure 'x' is hidde	n in which o	f the given	four figure	s?		
	х (	A) (	B)	(C)	(D)		
43.	Which figure amo		will replace		100	rding series	
	QUESTIO	N FIGURE		Α	NSWER FIGUR	E	
	040 400		?	7000	AD DAO		
				(A)	(B) (C)	(D)	
44.	Find the two figure				of Position and	d require inter o	hanging
	of position to put	the entire s	eriai in orde	er.			
					7.63 m	c	
	(1)	(2)	9 (	(3)	(4)	(5)	
	(A) 2 and 3	(B) 2 an	nd 4	(C) 1 aı	nd 5	(D) 4 and 5	
45.	In Problem figure one figure among PROBLEM FIGUR	them fulfilli	=	e conditio		_	re, only
				0<	100		
			(A)	(B)	(C)	(D)	

Directions (Q.46-47): In each of the following questions there is a relationship between two figures on the left side of the sign ::, The same relations ship exists between the two, to the right side of sign ::, find the correct alternative.



(x)

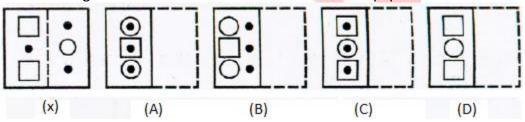
(A)

50. A square transparent paper with a pattern is given. Find out from amongst the four alternative figures which would be like the one when the paper is folded at dotted line.

(C)

(D)

(B)



### SCHOLASTIC APTITUDE

#### **Physics**

51.	A satellite having circular orbit about the earth has a kinetic energy Ex. What is the minimum amount of energy to be added so that it escapes from the earth.				
	(A) $\frac{Ex}{4}$	(B) Ex 2	(C) Ex	(D) 2 Ex	
52.	If power dissipated in across the $2\Omega$ resiste		e circuit is 36 watt. The	e potential difference	
	ucross the === resist.		$\frac{9\Omega}{6\Omega}$		
53.	(A) 4 volt	(B) 8 volt	(C) 10 volt	(D) 2 volt s T seconds to reach the	
55.		p <mark>osition of</mark> the ball at	_	s i seconds to reach the	
	(A) $\frac{h}{9}$ m from ground		(B) $\frac{7h}{9}$ m from the gro	ound	
	(C) $\frac{8h}{9}$ m from ground	d	(D) $\frac{17h}{9}$ m from the g	round	
54.	-	niform circular motion entum of the particle		n the plane of the circle	
	(A) Centre of the circ		(B) On the circumsta		
	(C) Inside the circle		(D) Outside the circle		
55.	6m/s.	o kg, what work has to	done to increase its ve	elocity from 2m/s to	
	(A) 100 J	(B) 200 J	(C) 1600 J	(D) 600 J	
56.		er of a lens whose foca			
	(A) 2 m	(B) 1 m	(C) 3 m	(D) 1.5 m	
57.		<del>-</del>	rator and DC generator	is –	
	· · · =	l generate a higher vol generate a higher vol	=		
	- · ·	= =	nerator has a commuta	ator.	
	, , ,		e as DC generator has		
58.				ought to rest in 0.01 sec.	
	Its impulse will be-				
	(A) 40 NS	(B) -30NS	(C) -20NS	(D) +30NS	
59.		y of Uranium into Tho	rium is represented by	equation.	
		ll be x			
	(A) electron	(B) proton	(C) alpha particle	(D) neutron	

60.	Two bobs of masses 1 kg and 2 kg are suspended from a rigid support by threads of length 4 m and 1 m respectively. Find the ratio of their time period.					
	(A) 4	(B) 8	(C) 2	(D) 12		
61.	An electron and pr	oton enter a magnetic	field with equal velocit	ies. Which one of them		
	experiences more	force.				
	(A) electron		(B) proton			
	(C) It cannot be pre		(D) Both experience			
62.	Where should an object be placed in front of convex lens to get a real image of the same					
	size of the object (A) At the principal focus of the lens					
	(B) At twice the foo (C) At infinity	Lai leligili				
	• •	al centre of the lens and	lits principal focus			
63.	•	emperature in Fahrenh				
05.	(A) 118°F	(B) 113°F	(C) 120°F	(D) 115°F		
	(A) 110 I	(b) 113 1	(C) 120 I	(D) 113 1		
		Chem	nistry			
64.	You are given a sol			think cannot displace, Ag		
	You are given a solution of AgNO <sub>3</sub> which of the following do you think cannot displace, Ag from AgNO <sub>3</sub> solution.					
	(A) Magnesium	(B) Zinc	(C) Gold	(D) Copper		
65.	` '	r of four elements A, B,		, , , ,		
00.		n react to from an ionic		ispectively. The two		
	(A) A and D	(B) B and C	(C) A and C	(D) B and D		
66.	• •	g pair of compounds th		unds are-		
	(A) C <sub>2</sub> H <sub>6</sub> andC <sub>4</sub> H <sub>6</sub>		(C) $C_4H_6$ and $C_6H_{12}$			
67.	Which of following	s <mark>et of ele</mark> ments is writ	ten in order of their inc	reasing metallic		
	character-					
	(A) Mg,A1,Si	(B) C, O, N	(C) Na, Li, K	(D) Be, Mg, Ca		
68.	Which of the follow	ving statements are co	rrect about properties	of colloids-		
	(A) A colloid is a Homogenous mixture					
	(B) The size of particles of a colloid is too small to be individually seen by naked eye.					
	(C) Colloids are big enough to scatter a beam of light passing through it & make its path					
	visible-		(6)			
	(1) a,b,c are correct		(2) b and c are corre			
69.	(3) a and b are cor	rect	(4) a and c are corre	ect		
09.	Assertion (A)	nail into CuSO <sub>4</sub> Solutior	n the colour of solution	as changes		
		•		is changes.		
		er is less reactive than in The correct but R is not co				
	• •	e correct, R is correct r				
	(C) A is correct and		Ca3011 101 71.			
	(D) A is oncorrect a					
	. ,					

70.	Arrange the Li, Be,	, B, C, N elements accord	ding to increasing c	order of atomic radii.			
	(A) $N < C < B < Be <$	(Li	(B) $C < Li < N < Be$	e < B			
	(C) Li < Be < B < C <	:N	(D) $B < Be < Li < C$	C < N			
71.	Elements A, B, C h	aving positions in period	dic table-				
	Group 16	Group 17					
		Α					
	В	С					
	(A) A is a metal						
	(B) C is smaller in s	size as compared to B					
	(C) Element A give	es negativity charged ion	ı				
	(1) a, b and c are o	orrect	(2) only b and c	are correct			
	(3) only b is correct	tt	(4) a and c are co	orrect			
72.	Which of the follo	wing is having maximun	n double bonds-				
	(A) Propanone	(B) Benzene	(C) Propene	(D) Propanol			
73.	Carbon atom in gr	ap <mark>hite is com</mark> bined with	how many other o	carbon atoms-			
	(A) 1	(B) 2	(C) 3	(D) 4			
74.	A solution contain	s 58.5 gm of common sa	alt in 360 gm of wa	ter calculate the total number			
	of protons in solut	ion.					
	(A) 21x6.023x10 <sup>23</sup>		(B) 22.8x6.023x2	10 <sup>23</sup>			
	(C) 200x6.023x10 <sup>2</sup>	3	(D) 228x6.023x1	LO <sup>23</sup>			
75.	A solution of calcium	um hydroxide is used fo	r w <mark>hite washing wa</mark>	<mark>alls. A</mark> fter two to three days of			
	white washing, wa	all <mark>s start shining due to</mark> f	or <mark>mation o</mark> f co <mark>mpo</mark>	<mark>ound</mark> .			
	(A) CaO	(B) CaCO <sub>3</sub>	(C) CaSO <sub>4</sub>	(D) $Ca(HCO_3)_2$			
76.	Which mass of O <sub>2</sub>	(Oxygen molecule) will	con <mark>tain the</mark> same n	umber of molecules as 2.5			
	moles of $C\ell_2$ .						
	(A) 180 gm	(B) 100 gm	(C) 71 gm	(D) 80 gm			
	(/ t) 100 gm	(b) 100 gm	(c) / I giii	(2) 60 gm			
	<i>b</i>	Biol	ogy				
77.	Which one of the	following statement is to	•.				
	(A) In humans there are two pairs of sex chromosome.						
	(B) A child who inherits an x chromosome from father will be a boy.						
	(C) A child who inherits an y choromosome from father will be a girl.						
	(D) A child who inl	nerits an x choromosom	e from father will b	pe a girl.			
78.	The Pancreas secr	etes Pancreatic Juice wh	nich contains	enzyme for			
	digesting proteins						
	(A) Lipase	(B) Amylase	(C) Zymase	(D) Trypsin			
79.	Involuntary action	s including blood pressu	re, salivation and v	vomiting are controlled by-			
	(A) Cerebellum	(B) Pons	(C) Cerebrum	(D) Medulla			

- 80. The correct pathway of blood in circulatory sysyem is-
  - (A) Auricles  $\rightarrow$  ventricles  $\rightarrow$  Arteries  $\rightarrow$  Veins
  - (B) Ventricles  $\rightarrow$  Auricles  $\rightarrow$  Veins  $\rightarrow$  Arteries
  - (C) Ventricles  $\rightarrow$  Veins  $\rightarrow$  Arteries  $\rightarrow$  Auricles
  - (D) Veins  $\rightarrow$  Ventricles  $\rightarrow$  Arteries  $\rightarrow$  Auricles
- 81. Heart muscle cells are-
  - (A) Round, unbranched, uninucleate
  - (B) Non cylinderical, branched and uninucleate
  - (C) Cylindrical, unbranched and multi nucleate
  - (D) Cylindrical, branched and uninucleate
- 82. Which of the following is the correct features of 'Lymph'
  - (A) It is similar to the plasma of blood, colourless and contains less protein.
  - (B) Similar to the WBC of blood, colourless and contain more protein.
  - (C) Similar to the RBC of blood and red in colour.
  - (D) It contains more fat.
- 83. Match the item in coloum-I with those in coloum-II and select the correct choice.

	Column I		Column II				
Α	Food Chain	1	Elephant				
В	Food Web	2	Jackal				
С	Herbivore	3	Series of organism feeding on one another				
D	Carnivore	4	Inter linked food chain				

- (1) A-3 C-1 D-2 B-4 (2) A-2 C-3 B-1 D-4 (3) A-1 B-2 C-3 D-4 (4) A-4 B-3 C-2 D-1
- 84. Which of the following is not a part of the female reproductive system in human beings.
  - (A) Ovary
- (B) Uterus
- (C) Vasdeferens
- (D) Fallopain tube
- 85. \_\_\_\_\_ smoothens bone surface at points and is also present in the nose, ear, trachea & larynx.
  - (A) Tendons
- (B) Ligament
- (C) Areolar tissues
- (D) Cartilage
- 86. Which of the following plant group bear naked seeds and usually perennial, evergreen and woody are-
  - (A) Pteridophyta
- (B) Gymnosperms
- (C) Bryophyte
- (D) Angiosperms
- 87. The site for complete digestion of carbohydrates, proteins and fats is-
  - (A) Large intestine
- (B) Stomach
- (C) Small Intestine
- (D) Mouth

88.	<ul><li>(A) Actively dividing</li><li>(B) Actively dividing</li><li>(C) Actively dividing</li><li>(D) Actively dividing</li></ul>	ing are characteristic fe cells with dense cytopl cells with dense cytopl cellswith little cytoplas cells with thin cytoplas	lasm, thick cell wall and lasm, thin cell wall and sm, thin cell wall and p sm, thin cell wall and n	d prominent nuclei. no vacuoles. rominent nuclei.			
89.	Potato and runners of grass is an example of –  (A) Homologous organs  (B) Analogous organs  (C) Vestigial arrange (D) Atapians						
90.	(C) Vestigial organs Which of the follow	ing are sensitive to sulp	(D) Atavism				
<b>50</b> .	(A) Algae	(B) Lichens	(C) Mosses	(D) Ferns			
		Mathen					
91.	If $\frac{37}{} = 2 + \frac{1}{}$	. Where x, y, z are integ	gers, then the value of	x + y + z is			
	$x + \frac{1}{y + 1}$	. Where x, y, z are integ	,	,			
	Z (A) 6	(D) Q	(C) 7	(D) – 2			
02	(A) 0	(B) 8 the value of Cos <sup>2</sup> x(1+	(C) /	(D) – 2			
92.	If $SINX = Cos x$ , then	the value of Cos x(1+	cos x) will be				
	(A) 1	(B) 0	(C) 2	(D) - 1			
93.	If $\alpha$ and $\beta$ are roots	of $a(x^2-1)+2bx=0$ an	d the quadratic equati	on whose roots are			
	$2\alpha - \frac{1}{\beta}$ and $2\beta - \frac{1}{\alpha}$	is $px^2 + qx + r = 0$ then p (B) $6a - 8b$	o+q+ris equal to				
	(A) 2b	(B) 6a-8b	(C) 6b – 8a	(D) 0			
94.		m of first n terms of an					
	$(S_{3n} - S_{3n-1}) - (S_{2n} -$						
			(0) 0	$(D) S_{3n} - S_n$			
	(A) $S_{n} - S_{n-1}$	The second secon	(C) 0				
95.		at the same time and nat the product is less t		ppearing on them is			
	(A) $\frac{1}{36}$	(B) $\frac{4}{9}$	(C) $\frac{17}{36}$	(D) $\frac{2}{9}$			
	36	9	36	9			
96.	If Arithmetic mean o	of numbers $x_1, x_2, x_3, x_4$	,x <sub>n</sub> is X than Arithm	etic mean of numbers			
	$ax_1 + b, ax_2 + b, ax_3 +$	$b,$ , $ax_n + b$ where $a$	a and b are constants,	will be			
	(A) X	(B) nax+nb	(C) ax	(D) ax + b			
97.	` '	• •	` '	the girls in that class is 73.			
		of class X in that exam					
	number of girls in th			·			
	(A) 1:2	(B) 2:1	(C) 2:3	(D) 3:2			
98.	The altitude of an ed	quilateral triangle is p <i>ci</i>	$\it m$ . The area of this tria	ngle is			
	(A) p <sup>2</sup> cm <sup>2</sup>	(B) $\frac{\sqrt{3}}{2}$ p <sup>2</sup> cm <sup>2</sup>	(C) $\frac{p^2}{\sqrt{3}}$ cm <sup>2</sup>	(D) $\frac{\sqrt{3}}{4}$ p <sup>2</sup> cm <sup>2</sup>			
			<b>v</b> =				

99.	The sum of all the two	o digital natural numb (B) 700	ers which are divisible (C) 728	by 7 is (D) 735			
100.	smaller number, the quotient is 6 and remainder is 15. Find the smaller number						
	(A) 240	(B) 270	(C) 295	(D) 300			
101.		added to 75, then the		The number is			
	(A) 50	(B) 60	(C) 300	(D) 400			
102.	Find the product of $\sqrt[3]{3}$ , $\sqrt[4]{3}$ , $\sqrt[12]{243}$						
	(A) $\sqrt{3}$	(B) 3	(C) $\sqrt[12]{3}$ (D) $\sqrt[4]{3}$	}			
103.	The sum of the ages of the age of youngest of		e intervals of 3 years of	each is 50 years. What is			
	(A) 4 years	(B) 8 years	(C) 10 years	(D) 12 years			
104.	Which of the following	g trains is the fastest?					
	(A) 25 m/sec	(B) 1500 m/min	(C) 90 km/sec	(D) 100 km/sec			
105.	_	the value of $10y\sqrt{y^3-y^3}$	_				
			(C) 200√5	(D) 500			
106.	The mean of $1^2, 2^2, 3^2$	$,4^2,5^2,6^2,7^2$ , is					
	(A) 10	(B) 20	(C) 30	(D) 40			
107.	Simplify	Constitution of the second					
	$3\sqrt{2} + \sqrt[4]{64} + \sqrt[4]{2500} +$						
	(A) $11\sqrt{2}$	(B) 11 <sup>3</sup> √2	(C) <sup>3</sup> √2 (D) 11	$\sqrt{4}$			
108.			side BC at D. If BC = K	cm, CA = $\ell$ cm, and AB =			
	m cm, then the lengtl						
	, α Kℓ	$(m)$ $K(m+\ell)$	(c) Km	(D) $\frac{K(m+\ell)}{m}$			
	(A) $\frac{K\ell}{m+\ell}$	(B) $\frac{K(m+\ell)}{\ell}$	$(C) {m+\ell}$	(D) — m			
109.	If area of a sector of o	circle bounded by an a	rc of length $5\pi$ cm is e	qual to $20\pi$ cm <sup>2</sup> then its			
	radius (in cm) is		COLUMN TO SERVICE STATE OF THE PARTY OF THE				
	(A) 12 cm	(B) 16 cm	(C) 8 cm	(D) 10 cm			
110.	In right angled triangl	e $\triangle ABC$ , $\angle B = 90^{\circ}$ , $AB =$	= 5cm,BC = 12cm, then	the area of in circle of			
	this triangle ABC will	be					
	(A) $4\pi \text{cm}^2$	(B) 2πcm <sup>2</sup>	(C) 13πcm <sup>2</sup>	(D) 17πcm <sup>2</sup>			
		Histo	<b>*</b> \				
111.	Why was the Vietnam	n was called the first te	•				
111.	(A) Brought home sto		cicvision war:				
	(B) Led to increase sa						
	` '	e shown on daily news					
	(D) Televisison was in	<del>-</del>					
	, , = = = =============================						

112.	, , , ,					
	-	Our country is India. Our nationality is Indian."				
	(A) Dada Bhai Naoroji	(B) Surenderanath Banerjee				
	(C) Gopal Krishan Gokhale (D) Pherozeshah Mehta					
113.	Under which rules the sculpture of four lice	ons was built on Sarnath's Pillar?				
	(A) Samudragupta	(B) Ashoka				
	(C) Chandragupta	(D) Harsharvardhana				
114.	Who was the first Viceroy of India?					
	(A) Lord Clive	(B) Warren Hastings				
	(C) Lord William Bentinck	(D) Lord Canning				
115.	To whom, Guru Gobind Singh Ji had writte	en Zafarnama?				
	(A) Babur	(B) Aurangzeb				
	(C) Humayun	(D) Jahangir				
116.	During India's freedom struggle which one Hartal'?	e of the following led to the first 'All India				
	(A) Protest against Jallianwala Bagh Massacre					
	(B) Protest against Row Latt Act					
	(C) Trial of Mahatm Gandhi					
	(D) Arrival of Simon Commission					
117.	In 1878 the Vernacular Press Act was mod	lelled on the				
	(A) French Press Laws	(B) British Press Laws				
	(C) Irish Press Laws	(D) Scottish Press Laws				
118.	Who was the famous Sultan of Lodhi Dyna					
	(A) Sikander Lodhi	(B) Ibrahim Lodhi				
	(C) Dilawar Khan Lo <mark>dhi</mark>	(D) Daulat Khan Lodhi				
119.	When was Nazi Party founded?					
	(A) 1917	(B) 1918				
	(C) 1920	(D) 1909				
120.	Who had started Masand system?					
	(A) Guru Har Rai Ji	(B) Guru Angad Dev Ji				
	(C) Guru Nanak Dev Ji	(D) Guru Ramdas Ji				
121.	"Who said these words, 'Tremble, therefo	re, tyrants of the world"?				
	(A) Robert Darnton	(B) James Lackington				
	(C) Louise/Sebastien Mercier	(D) Thomas Paine				
	Geogr					
122.	Which among the following does not belo states?	ng to the list of leading sugarcane producing				
	(A) Uttar Pradesh	(B) Andhra Pradesh				
	(C) Madhya Pradesh	(D) Maharashtra				
123.	In which union Territory maximum area is	under forest?				
	(A) Dadra and Nagar Haveli	(B) Andaman and Nicobar Islands				
	(C) Delhi	(D) Puducherry				

124.	4. Which agent causes the formation of V-shaped valley?				
	(A) Snow	(B) Wind			
	(C) Birds and animals	(D) Water			
125.	What type of soil is also known as 'Tea soil'.				
	(A) Mountain soil	(B) Marshy soil			
	(C) Desert soil	(D) Saline and alkaline soil			
126.	Which of the following state has the highes	• •			
	(A) Goa	(B) Jammu and Kashmir			
	(C) Kerala	(D) Haryana			
127.	What is the extent of 'Tropical Heat Zone'?				
	(A) $23\frac{1}{2}^{\circ}$ North to $23\frac{1}{2}^{\circ}$ South	(B) $23\frac{1}{2}^{\circ}$ North to $66\frac{1}{2}^{\circ}$ North			
	(C) $23\frac{1}{2}^{\circ}$ South to $66\frac{1}{2}^{\circ}$ South	(D) $66\frac{1}{2}^{\circ}$ North to $66\frac{1}{2}^{\circ}$ South			
128.	For which of the following industry, 'Dhariw				
	(A) Cotton Textile Industry	(B) Woolen Industry			
	(C) jute industry	(D) Silk Industry			
129.	Which of the major p <mark>ort of Ind</mark> ia is located i	n Sundarbans Delta?			
	(A) Kandla	(B) mumbai			
	(C) Chennai	(D) Haldia			
130.	Which of the following place is influenced by	y retreating or eastern monsoon?			
	(A) Amritsar	(B) Chennai			
	(C) Mumbai	(D) Shimla			
131.	Which of the following states are the major				
	(A) Rajasthan and M <mark>adhya Pra</mark> desh	(B) Odisha a <mark>nd Rajas</mark> than			
	(C) Maharashtra an <mark>d Gujarat</mark>	( <mark>D) Mad</mark> hya <mark>Pradesh</mark> and Gujarat			
132.	Hyderabad is the ca <mark>pital of</mark> which state?				
	(A) Telangana	(B) Andhra Pradesh			
	(C) Karnatka	(D) Tamil Nadu			
	Civic				
133.	Who give the idea to establish the 'Lok Ada				
	(A) Sh. P.N. Bhagwati	(B) Dr. B.R. Ambedkar			
	(C) Sh. Lal bahadur Shastri	(D) Dr. T.N. Sheshan			
134.	Which words were included in preamble in 1976 -	of Indian constitution by 42 <sup>nd</sup> amendment in			
	(A) Directive Principles	(B) Democratic and Republic			
	(C) We the people of India	(D) Socialist, secular and unity of country			
135.	Which fundamental right is considered as the				
	(A) Right to equality	(B) Right to religious freedom			
	(C) Right to freedom	(D) Right to constitutional remedies			

136.	How many members does Pu	ınjab send for	Lok Sabha and	Rajya Sabha -		
	(A) Lok Sabha -13	Rajya Sabha –	- 7			
	(B) Lok Sabha - 7	Rajya Sabha –	· 13			
	(C) Lok Sabha - 117	Rajya Sabha –	- 245			
	(D) Lok Sabha - 545	Rajya Sabha –	- 12			
137.	Which rights are not given to	foreigners?				
	(A) Economic Rights		(B) Social Righ	nts		
	(C) Political Rights		(D) Civil Right	S		
138.	Who is the chairman of the R	ajya Sabha?	_			
	(A) Speaker		(B) Vice-Presi	dent		
	(C) President		(D) Prime-mir	nister		
139.	Who can transfer a Governor	from one stat				
	(A) Prime-minister		(B) Parliamen	t		
	(C) President	200	(D) Supreme (	Court		
140.	Which Indian Leader gave the	e idea of two n	ations (partitic	n) before independence?		
	(A) Mahatma Gandhi		(B) Jawahar La			
	(C) Liakat Ali		(D) Mohd. Ali	Jinah		
141.	How many countries are the	member of U.I	N.O. (United Na	ations) at present?		
	(A) 193	1 4	(B) 150	, .		
	(C) 51		(D) 182			
142.	India opposes strongly –					
	(A) United Nations	7 4 4	(B) World pea	ice		
	(C) Racialism and Apartheid	oolicy		Wealth of Nations		
		Econor	mics			
143.	Which equation is true?					
	(A) Real Wages - Price Inde	ex100	(D) Dool Wood	$\frac{M}{es} = \frac{M}{m}$ oney wages $\times 100$		
	(A) Real Wages = Money wa	—×100	(B) Real Wage	Price Index		
	Money wages × Price Index					
	(C) Real Wages = World Wag	100	Line Language State of the Language State of			
	Money wa					
	(D) Real wages = ————					
144.	Price Inde					
144.			louso wifo			
	(A) Production, consumption and work of House wife.					
	(B) Production, consumption and exchange.					
	(C) Production, exchange and distribution.					
1 4 5	(D) Consumption, exchange a		n.			
145.	Socialist Economy has feature	es: -	(b) Callagting	aa.a.mah.i.a		
	(a) Governtition		(b) Collective	•		
	(c) Competition		(a) Freedom (	of market forces		
	(e) Social welfare		(D) o b and d			
	(A) a, b and c		(B) a, b and d			
	(C) a, b, and e		(D) b, c and d			

146.	On the basis of ownership types of Econom		and and socialistic					
	<ul><li>(A) Developed, mixed &amp; capitalistic.</li><li>(B) Capitalistic, developed and socialistic</li><li>(C) Mixed, developed and under developed.</li><li>(D) Socialistic, capitalistic and mixed.</li></ul>							
1.47	•	• •						
147.	In India which one is not indicator of level of	•						
	(A) Per capita income	(B) Expectation of life	2					
4.40	(C) Population	(D) Literacy rate						
148.	How many banks were nationalized by Gov		(D) 0					
4.40	(A) 12 (B) 14	(C) 7	(D) 8					
149.	Which of the following organisations looks Development in India?	after the credit needs	of Agriculture and Rural					
	(A) FCI (B) IDBI	(C) NABARD	(D) ICAR					
150.	When there is investment made in the form	n of education, training	g and medical care the					
	population becomes: -							
	(A) Working capital	(B) Human capital						
	(C) Fixed capital	(D) Capital growth						
	LANGUAG							
- /	Engli							
-	1-154) Read the comprehension passage ca	-	~ .					
	are over a quarter of a million plant species.	•	nivorous who call,					
attract	and eat bugs. The <mark>y live in bogs and pl</mark> aces v	vhere the soil lacks						
454	water the state of							
151.	Which statement does the author most like	•						
	(A) There are too many species of carnivord							
	(B) There are a few plant species in the wor							
	(C) Only a small number of plants are carniv	orous.	23					
450	(D) A majority of plants are carnivorous.		12					
152.	Which plants traps bugs in its stem and force		ard?					
	(A) Corkscrew plants	(B) Sundews						
450	(C) Bladderworts	(D) Pitcher plants						
153.	Which event happens last when Sundews e	ats a meal?						
	(A) The Sundews create mucilage.							
	(B) The Sundew's tentacles curl in response	to the prey.						
	(C) The bug is attracted to the mucilage.							
	(D) The Sundew releases enzymes.							
154.	Which best defines the word treacherous?							
	(A) Something that provides nutrients.							
	(B) Something that is very bright.							
	(C) Something that tastes delicious.							
	(D) Something that has a hidden danger.							

#### Q. (155-158) Read the comprehension passage carefully and answer the following questions: -

In 1848, gold was found in California. Thousands of people rushed there to get some. Many people liked living there and decided to stay. At that time there was no train line. In 1860 and 1861, the Pony express was the fastest way to get news to and from the West. It could make the trip in just ten days. The Pony Express had 184 stations along the trail. The stations were around ten miles apart. This is about how far a horse could run at a gallop before tiring. The rider would switch to a new horse at each station and before resting the would give his mail pouch to new rider. The mail never stopped moving, even while the horses and riders rested. Each rider had to weigh less than 125 pounds. Speed was the key. Most of the riders were teenage boys who rode at a fast pace for upto 100 miles a day. If there was an emergency one might have to ride 200 miles in a day. In its time running, the Pony Express only lost one mail pouch. The Pony Express played an important role for a time but it did not last.

- 155. Which best explains why Pony riders had to weigh less than 125 pounds?
  - (A) Heavier men were more expensive
  - (B) Horses were scared of heavier men.
  - (C) Heavier men scared customers.
  - (D) Horses could make quicker with lighter men.
- 156. How fast could the Pony Express take a letter from California to Massoorie?

(A) 24 hours

(B) Ten days

(C) Twenty days

- (D) One month
- 157. About how far did Pony Express riders travel on a usual day?

(A) 10 miles

(B) 200 miles

(C) 100 miles

- (D) 2000 miles
- 158. How many pouches did the Pony Express lose?

(A) Never lost a pouch

(B) One

(C) Two

(D) Too many to keep track

#### Q. (159-162) Read the following passage and answer the questions based on it.

Nehru was a many sided personality. He enjoyed reading and writing books as much as he enjoyed fighting political and social evils or residing tyranny. In him, the scientist and the humanist were held in perfect balance. While he kept looking at special problems from a scientific stand point, he never forgot that we should nourish the total man. As a scientist, he refused to believe in benevolent power interested in men's affairs. But, as a self proclaimed non-believer, he loved affirming his faith in life and the beauty of nature. Children he adored. Unlike Wordsworth, he did not see him trailing clouds of glory from the recent sojourn in heaven. He saw them as a blossoms of promise and renewal, they only hope for mankind.

- 159. Nehru thought that children
  - (A) Were trailing clouds of glory.
  - (B) Held promise flowers to be loved and admired.
  - (C) Were like flowers to be loved and admired.
  - (D) Held no hope for mankind.

- 160. Nehru enjoyed
  - (A) Reading and writing books
  - (B) Fighting political and social evils
  - (C) Resisting tranny
  - (D) Doing all the above and much more
- 161. Which of the statements reflects Nehru's point of view?
  - (A) Humanism is more important than science.
  - (B) Science is supreme and humanism is subordinate to it.
  - (C) Science and Humanism are equally important.
  - (D) There is no ground between science and humanism.
- 162. A many sided personality means
  - (A) A complex personality
  - (B) A secretive person
  - (C) A person having varied interests
  - (D) A capable person

#### Q. (163-166) Read the comprehension passage carefully and answer the following questions.

Tigers are the largest and most powerful of all the cat species. Despite all of the tiger's strength, the future of the species is uncertain. It is estimated that at the start of the 20<sup>th</sup> century, there were over 1,00000 tigers living in the wild whose number has dwindled to just over 3,000. Serious threats that tigers face come from Homo-sapiens better known as humans. Tigers are hunted for many reasons like their striped skin, which is worth \$10,000 in the black market. Though the fur would be an incentive for poachers, other parts of tiger can fetch pretty penny. Some people in China and other Asian countries believe that tigers parts have heling properties. Traditional Chinese medicine calls for the use of tiger bones in some prescriptions. Tigers have also been hunted for the sake of thrill in a game. Humans have done considerable damage through the destruction of habitat. Over the past 100 years tigers have lost 93% of their historic range. A major obstacle to preserve tigers is the enormous amount of territory that each tiger requires. There is no way to preserve the wild tiger population without making large sacrifices.

- 163. Which of the following is not a reason in the paragraph explaining why tigers are hunted?
  - (A) Because tiger's skin is worth a lot of money.
  - (B) Because tiger's parts are used as medicine in some cultures.
  - (C) Because some tigers attach local villagers.
  - (D) Because tigers are hunted for enjoyment by some people.
- 164. Which number is closed to the estimation of the wild tiger population in 2003?
  - (A) 3000

(B) 1,00,000

(C) 140

- (D) 30,000
- 165. Which best explains why tigers have lost so much of their habitat according to the text?
  - (A) Because humans are afraid of tigers.
  - (B) Because tiger's skin is very valuable.
  - (C) Because humans have changed the land.
  - (D) Because tigers need so much space to survive.

166.	Based on information in the text, which best (A) Poachers hunt tigers to protect their fant (B) Poachers hunt tigers for medicine to cur (C) Poachers hunt tigers to earn a large amon (D) Poachers hunt tigers because they enjoy	nilies from dangerous animals. Te sick family members. Dunt of money.						
senter	7-168) The following five sentence come fronce are given. Choose the right order in whice the paragraph.							
167.	S1. While talking to a group, one should fee S2.	<del></del>						
	\$3	<del></del>						
	S4S5. It is like the ability to play golf.							
	P. It is not as difficult as most men imagine. Q. One should also learn how to think calm R. Nor is it a gift bestowed by providence or	•						
	Choose from the options given below:							
	(A) RPQ	(B) PQR						
4.60	(C) QPR	(D) QRP						
168.	S1. Once king Shantanu met a fisher girl.							
	S2							
	\$3 \$4							
	S5. King Shantanu did not agree to the condition.							
	P. The fisherman agreed to it on one condit heir to the throne.	ion that his daughter's son should become the						
	Q. He fell in love with the girl.							
	R. He went to fisherman to ask for her hand	l.						
	Choose from the options given below: (A) RPQ	(B) PQR						
	(C) QPR	(D) QRP						

## Q. (169-170) The following questions have the second sentence missing. Choose the appropriate sentence from the given options to complete it.

169. I. In order to raise company profit, the employees worked hard. II.										
	III. However they offer to work over time without any compensation.									
	(A) They decided to raise the cost of raw material.									
	(B) They decided to pay attention on quality.									
	(C) They store and black market the manufactured items.									
	(D) They demanded two additional increments.									
170.										
	I. Nothing comes out of nothing. II									
	III. A person who thinks that luck would favour him without lifting his finger even, is living									
	in a fool's paradise.									
	(A) So, we should work hard.									
	(B) Fate is supreme and everything can be	gained by it.								
	(C) So, we should sit idle and hope for the	(C) So, we should sit idle and hope for the best.								
	(D) We should not worry at all and pay att	ention only for our we	lfare.							
Q. (17	0-171)									
171.	Fill in the blanks with the most appropriate option from the given alternatives.									
	The economic has affected our sales tremendously.									
	(A) Touch down	(B) Show down								
	(C) Slow down	(D) Crack down								
172.	Now the management graduate can expec		life in the city.							
	(A) Menial	(B) Tedious	1							
	(C) Boring	(D) Prosperous								
173.	The village was by the earthqua	The second secon								
	(A) Dazed	(B) Razed								
	(C) Fused	(D) Bemused	ization							
174.	The committee decided to a new member in the organization.									
	(A) Appoint	(B) Commit								
	(C) Detain	(D) Suggest								
175.	The teacher his students.									
	(A) Survived	(B) Laughed								
	(C) Berated (D) Shunted									
176.	The gypsies do not live at a part									
	(A) Broadly	(B) Willingly								
	(C) Voluntarily	(D) Permanently								
177.	She was remarkably in singing a	-								
	(A) Conducive	(B) Cooperative								
	(C) Accomplished	(D) Fluctuating								

178.		closely, he missed out an important
	guidelines.	(D) Inonito of
	(A) Instead of	(B) Inspite of
170	(C) Although	(D) Otherwise
179.		ngines, it is by the internet users.
	(A) Utilized	(B) Examined
100	(C) Effected	(D) Flabbergasted
180.	Her silence was taken as agreeme	
	(A) Concluded	(B) Aggravated
	(C) Tacit	(D) Repented
Q. (181	1-185) Select the meaning of the underlined	phrase/ idiom:
181.	Being the head of a family, he finds it difficu	ılt to keep his head above water.
	(A) To take rest	(B) To work properly
	(C) To avoid quarrel	(D) To survive easily
182.	On the eve of inspection, everything was ke	pt <u>in apple pie order.</u>
	(A) In random order	(B) In perfect order
	(C) Carelessly	(D) Timely
183.	Land has always been an apple of discord be	etween two brothers.
	(A) Cause of quarrel	(B) Cause of happiness
	(C) Cause of ill health	(D) Cause of contentment
184.	Mohan had to look <u>high and low</u> before he	c <mark>ould find</mark> his <mark>scooter</mark> key.
	(A) Everywhere	(B) No where
	(C) Some where	(D) Always
185.	We kept our fingers crossed till the final res	u <mark>lts were</mark> dec <mark>lared.</mark>
	(A) Felt scared	(B) Kept praying
	(C) Kept hopeful	(D) Waited anxiously
Q. (186	5-192) In the follow <mark>ing</mark> passage, there are so	me numbered blanks. Fill in the blanks by
selecti	ng the most appropriate word from each bl	ank from the given options:
		n in which a wide band of frequency is ready to
	186) It (187) users to (188	
		t allows users to (191) data processing
and hig	gh-speed (192) technologies.	
	(1)	(-) -
186.	(A) Quotes	(B) Signals
	(C) Alarms	(D) Clues
187.	. , .	(B) Disables
	(C) Allows	(D) Instigates
188.	(A) Access	(B) Digress
	(C) Regress	(D) Supress

189.	(A) Lower	(B) Higher
	(C) Regular	(D) Normal
190.	(A) Keypads	(B) Mouse
	(C) Monitor	(B) Modems
191.	(A) Irregular	(B) Advance
	(C) Optional	(D) General
192.	(A) Transferred	(B) Transmission
	(C) Fundamental	(D) Transcendental
Q. (19	3-198) Choose the correct antonym from the	e options given below:
193.	Abdicate	
	(A) Join	(B) Search
	(C) Abandon	(D) Advance
194.	Rectify	
	(A) Bear	(B) Correct
	(C) Validate	(D) Destroy
195.	Respite	
	(A) Break	(B) Commencement
	(C) Fatigue	(D) Continuation
196.	Upheaval	
	(A) Harmony	(B) Radical change
	(C) Miracle	(D) Dynamic
197.	Change the voice –	
	He kept us waiting.	
	(A) We had kept wa <mark>iting by hi</mark> m.	
	(B) We were kept w <mark>aiting by</mark> him.	
	(C) We had been kept waiting by him.	
	(D) Were we kept waiting by him.	
198.	Who is laughing at the beggar?	Control of the Contro
	(A) By whom are the beggar being laughed a	
	(B) By whom is the beggar being laughed at	
	(C) Whom are the beggar being laughed at?	
	(D) By whom were the beggar laughed at?	
Q. (19	9-200)	
199.	Choose the synonym of the underlined work	d from the given options.
	It is very difficult to retain all that you hear	in the class.
	(A) Keep	(B) Preserve
	(C) Recall	(D) Conserve
200.	The story is too fantastic to be credible.	
	(A) False	(B) Readable
	(C) Believable	(D) Praise worth

## **Answer Key**

## **National Talent Search Examination – 2016**

# State Level Test – 2016 Class – X MENTAL ABILITY AND SCHOLASTIC APTITUDE TEST

#### **MENTAL ABILITY**

1. 8. 15. 22. 29. 36. 43.	B D B C B	2. 9. 16. 23. 30. 37. 44.	D C A C B B	3. 10. 17. 24. 31. 38. 45.	A A D A D D	4. 11. 18. 25. 32. 39. 46.	B C D B D B	5. 12. 19. 26. 33. 40.	B C C D C B A	6. 13. 20. 27. 34. 41.	D D D B D A	7. 14. 21. 28. 35. 42.	D B B C A D
50.	С												
	SCHOLASTIC APTITUDE TEST												
						PHYS	SICS						
51.	С	52.	С	53.	С	54.	Α	55.	С	56.	В	57.	С
58.	В	59.	С	60.	С	61.	D	62.	В	63.	В		
						CHENA	CTDV			- 2			
				-4		CHEMI	SIKT						
64.	С	65.	D	66.	С	67.	D	68.	В	69.	В	70.	Α
71.	В	72.	В	73.	С	74.	D	75.	В	76.	D		
			F										
						BIOL	OGY						
77.	D	78.	D	79.	D	80.	Α	81.	D	82.	Α	83.	Α
84.	С	85.	D	86.	В	87.	С	88.	В	89.	Α	90.	В

#### **MATHEMATICS**

91. 98. 105.	B C D	92. 99. 106.	A C B	93. 100. 107.	C B A	94. 101. 108.	B C A	95. 102. 109.	B B C	96. 103. 110.	D A A	97. 104.	D D
						HISTO	RY						
111. 118.	C A	112. 119.	A B	113. 120.	B D	114. 121.	D C	115.	В	116.	В	117.	С
GEOGRAPHY													
122. 129.	C D	123. 130.	B B	124. 131.	D A	125. 132.	A A	126.	С	127.	Α	128.	В
	CIVICS												
133. 140.	A D	134. 141.	D A	135. 142.	C C	<b>13</b> 6.	Α	137.	С	138.	В	139.	С
						ECONO	MICS						
143. 150.	B B	144.	Α	145.	С	146.	D	147.	С	148.	С	149.	С
		- 4			LA	NGUAC ENGL				1			
151.	С	152.	A 🥼	153.	D	154.	D	155.	D	156.	В	157.	С
158.	В	159.	В	160.	D	161.	С	162.	С	163.	С	164.	Α
165.	D	166.	С	167.	С	168.	D	169.	С	170.	Α	171.	С
172.	D	173.	В	174.	A	175.	В	176.	D	177.	В	178.	С
179.	A	180.	В	181.	D	182.	В	183.	В	184.	A	185.	D
186. 193.	B C	187. 194.	C B	188. 195.	A A	189. 196.	B B	190. 197.	D B	191. 198.	B B	192. 199.	B A
200.	В		_	_55.			_		-		-		