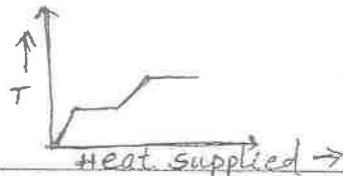


NATIONAL TALENT SEARCH EXAMINATION NOVEMBER 2018  
SCHOLASTIC APTITUDE TEST (SAT) PAPER-II  
INITIAL KEY

Q.No	Key	Answer
1	2	Negative charge, Neutral, Positive Charge
2	4	$\mu < \frac{3\sqrt{3}}{4}$
3	1	360 J
4	3	$\sqrt{(M+m)^2 + m^2} g$
5	3	$\frac{2n-1}{2n+1}$
6	1	2
7	1	5
8	3	15
9	2	$\frac{5}{4} d$
10	1	
11	2	30 db
12	4	Less than g
13	3	1.5 $\Omega$
14	2	2.24 Lit
15	2	Dehydrated Alcohol means 100% alcohol in the form of pure Ethanol
16	3	Absorbs CO <sub>2</sub> and Increase O <sub>2</sub> concentration
17	4	n=2, l=1, m=0, s= +1/2
18	2	B < Al < Mg < K
19	3	a, c and d
20	1	Bleaching of colored sugarcane juice / vegetables using <b>moist</b> Sulphur dioxide
21	1	a, b
22	4	High Electron Affinity, Low Ionization Energy
23	3	Impure copper, Pure copper
24	4	Calcination-presence of oxygen-carbonate ore - Oxide ore
25	2	CH <sub>3</sub> - <u>CH</u> <sub>2</sub> - NH <sub>2</sub>
26	3	-COOH > -COOR > -CHO > $\text{>C=O}$ > R-OH > -NH <sub>2</sub>
27	2	Archaeopteryx
28	4	Acrosome
29	4	All of these
30	3	(a - ii, b - iv, c - i, d - iii)
31	4	Ribosomes
32	1	Bark
33	2	Second Brain

34	2	Tendon
35	1	Yellow spot
36	3	Ethology
37	4	22 pairs of autosomes and one pair of allosome
38	2	Bio accumulation
39	1	Ptyalin
40	3	Diabetes insipidus
41	3	$K \geq 13$ or $K < 1$
42	2	2 : 9
43	4	18
44	3	130°
45	2	$\frac{9}{14}$
46	3	$-\frac{1}{2}$
47	2	31.5
48	1	$\frac{\log a}{\log b} = \frac{y+z}{x}$
49	3	13
50	4	2,4,6,8
51	2	12
52	4	xyz
53	1	Average of $\frac{n}{2}$ and $(\frac{n}{2} + 1)^{\text{th}}$ Observations
54	3	13
55	3	Q3
56	1	X-1
57	4	2.1 cm
58	1	(1, -2)
59	2	2
60	1	1
61	3	William-I was proclaimed German Emperor in 1871
62	4	Ho Chi Minh
63	3	Baba Ram Chandra
64	4	Fiji, Caribbean islands and Mauritius
65	3	A, B, C, D
66	1	A and C
67	4	Blue-White-Red
68	2	Announcement of "The New Deal"
69	2	Became the dictator of Germany
70	1	B only
71	2	My People
72	3	Bringing new lands under cultivation
73	3	B, D and F only
74	3	A and C
75	2	Of its length and the area it covers
76	4	Gujarat

Q.No	Answer	Answer
77	1	Evergreen Forests
78	1	Kerala
79	2	Phosphoric Contents
80	2	Dams
81	3	Cotton
82	3	Electricity
83	1	A only
84	1	Mumbai Port
85	3	Mistakes can never be made in democracy
86	1	Jammu and Kashmir
87	1	Dictatorships have slightly higher rate of economic growth
88	4	Jawaharlal Nehru
89	2	Two seats
90	4	A, B, C and D
91	2	The Head of the Government
92	1	Constitutional Right
93	4	B and C
94	1	Most of the people want to work in "A" but they have to be in "B"
95	1	The prefer sustainability of development
96	1	First Saturday of July
97	3	They receive massive sums of money from U.S Government
98	4	All of these are related
99	3	Zero
100	3	Both A and B are correct

*[Handwritten Signature]*  
14/11/18

DIRECTOR

*[Handwritten Initials]*  
14/11