

NTSE STAGE-II (2012)

CLASS-VIII [MAT]

HINTS & SOLUTIONS

ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans	2	2	3	1	2	3	4	1	4	4	Bonus	4	2	3	Bonus
Ques.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans	2	4	3	2	1	1	2	4	3	2	3	1	2 & 3	3	2
Ques.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans	4	3	4	1	2	2	4	1	2	2	4	1	1	3	3
Ques.	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Ans	2	4	3	1	1	1	3	2	4	3	1	2	1	2	2
Ques.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Ans	2	2	1	2	2	3	4	4	3	2	2	2	4	1	2
Ques.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Ans	1	2	3	3	4	3	1	3	2	1	1	2	2	1	2
Ques.	91	92	93	94	95	96	97	98	99	100					
Ans	2	2	4	2	3	1	1	3	4	2					

38 – 40.

	Science	Maths	Cricket	Tennis	Music
A	✓	✓	✓		
B		✓	✓	✓	
C	✓	✓		✓	
D	✓		✓	✓	✓
E			✓	✓	✓

38. **Ans. 1**

39. **Ans. 2**

40. **Ans. B**

47.

letter	R	Y	C	T	A	F	E
Code	E	Z	D	H	X	M	K

So we can not find code for D.
So code for DARE we can't say

Ans. D

48.

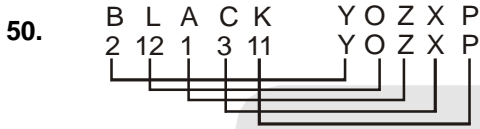
letter	J	O	I	N	G	E	T	A	R	F	V	L
Code	G	P	H	N	J	F	V	A	R	E	Q	L

4 letter have rehived as codes i.e. N, A, R, L

Ans. 3

49. FIGURE → EHJQRF

Ans. 1



Ans. 1

51-52

letter	B	P	G	I	T	N	A	C	E	O	H	Y	K	D	S
Code	O	E	G	T	T	Y	S	K	P	B	D	Y	C	H	A

51. Ans. 1

i.e. I → T
N → Y i.e. 2

52. Ans. 3

option 1, 2, 4 are not possible
be can they contain X, R, R respectively.

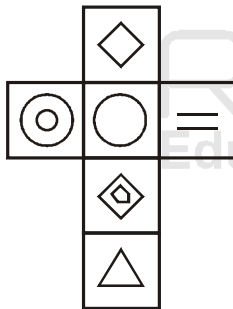
53. L = 20 i.e. 12 + 8
RED = 51 i.e. (18 + 8) + (5 + 8) + (4 + 8) = 51
BLUE = (2 + 8) + (12 + 8) + (21 + 8) + (5 + 8)
= 10 + 20 + 29 + 13

Ans. 2

54. GO = (7) × (15) = 105
SO = (19) × (15) = 285
RAT = (18) × (1) × (20) = 360

Ans. 4

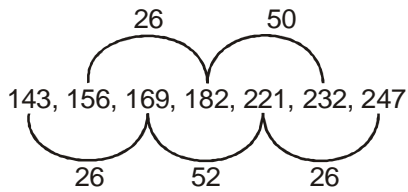
75.



82. 4, 6, 15, 56, 280, 1644
Pattern $4 \times 2 - 2 = 6$, $6 \times 3 - 3 = 15$ and so on.
So according to 280 is wrong term.

Ans. 1

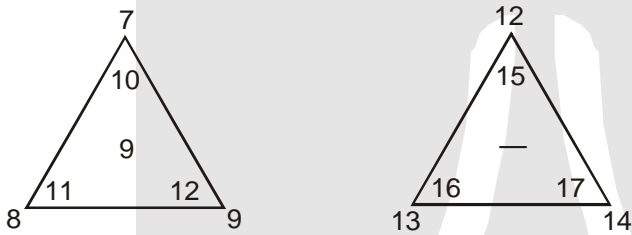
83.



No. 232 in wrong term.

Ans. 3

84.

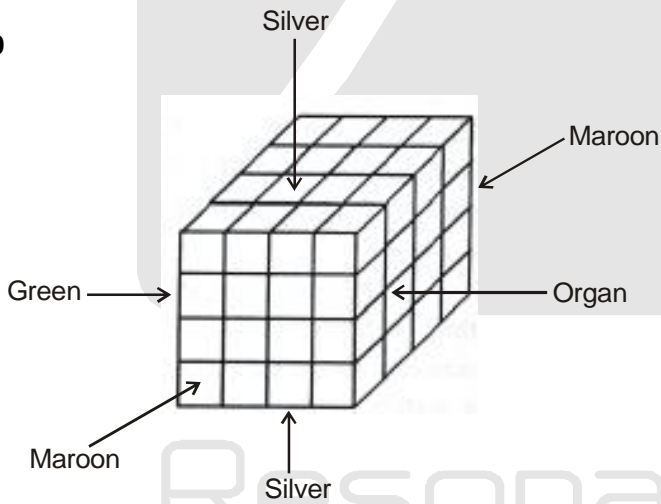


$$(10 - 7) + (11 - 8) + (12 - 9) = 9$$

in the same way

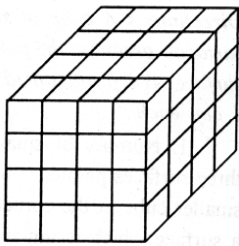
$$(15 - 12) + (16 - 13) + (17 - 14) = 9$$

86 to 90



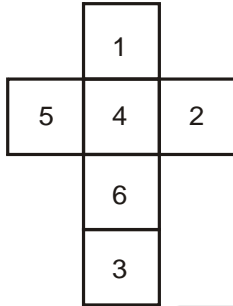
Resonance
Educating for better tomorrow

91.



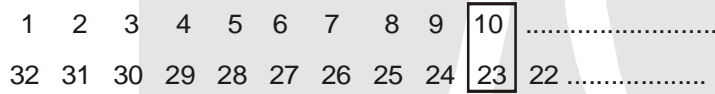
No. of smaller cube whose we can seen only one side is 24. (i.e. 4 cube on each face.)

92.



opposite of 4 is 3. So if 4 is at top the 3 is at bottom

94.



Resonance
Educating for better tomorrow